PEGLER

Commercial valve solutions

Pegler Yorkshire
Unrivalled quality, innovation, customer service and long-term value for money

As part of the global Aalberts Industries NV Group, Pegler Yorkshire is one of Britain's largest and most respected manufacturers of innovative products for the demanding and diverse plumbing and heating industries.

Pegler Yorkshire – a unique story
It was in the late 19th century when two separate and altruistic companies set out on the long road to satisfying the needs of prospective customers and, of course, to profit in the process. Coincidentally located just 30 miles apart, each was driven by the same vision and ideals of a no-compromise culture. Cutting corners was never an option and only the best could ever be good enough.

These two companies were Pegler and Yorkshire Fittings. In meeting all the challenges of the 20th and 21st centuries both companies have changed a great deal, the business ethos common to both never has. And now these two like minds have come together as Pegler Yorkshire – a single source of proven, flow control solutions for installers, specifiers and engineers in the domestic, public and commercial markets.

Reputable and established brands
Just as Pegler and Yorkshire have endured over such a long period, many of the brand names they have created over time are similarly very well established, in many cases as market leaders in their respective categories. The very extensive Pegler Yorkshire product range now comprises more than 15,000 lines – without rival for the choice and coverage it offers and for the number and scope of applications it satisfies.

A mind for innovation
Brands which endure and are not easily displaced must by definition be the product of innovative thinking and technology that continually stand the test of time. Pegler Yorkshire's no-compromise philosophy will always put new product development high on the agenda, based on not only meeting the needs of today's markets, but also anticipating and meeting customers' future needs.

The true value of knowledge
As well as the benefit of unparalleled experience of the flow control market and its growth over many decades, Pegler Yorkshire has strong associations with major industry bodies such as those responsible for determining product and performance standards.

The result is a comprehensive store of knowledge and reference which is invaluable in the key areas of research, development and dealing efficiently and accurately with customer enquiries – particularly with regard to product application and suitability.

A charter for the best in customer service
With such a diverse product range and customer base, Pegler Yorkshire's no-compromise standards of quality, reliability and value for money naturally go hand in hand with the principle of delivering the best in customer service.

Green awareness and responsibilities
Developing products which reduce the carbon footprint by saving water and energy is only one side of the green issues coin. Pegler Yorkshire is also increasingly committed to recycling key production materials (such as brass), eliminating the need for excessive packaging wherever possible, and looking for new ways in which the company's day-to-day operations can be improved to reduce waste and minimise the impact on the environment.

Likewise, social responsibilities such as supporting employee and local community welfare are aspects of the very fabric and philosophy upon which both Pegler and Yorkshire were founded.

Standards
Pegler Yorkshire is dedicated to designing, developing and manufacturing products of the highest quality. We are members of numerous standards committees and take an active part in their development. Our products, where applicable, comply with the relevant British, European and International standards. Whatever the latest developments, we guarantee that our products will always meet the latest and highest standards.

INVESTOR IN PEOPLE

Trade bodies
Pegler Yorkshire is pleased to be associated with several influential industry organisations:

Association of Plumbing and Heating Contractors

The Bathroom Manufacturers Association

Construction Products Association

Brass
The Brass Page for specifiers, designers, engineers and manufacturers

British Plumbing Employers Council

Builders Merchants Federation

The Copper Development Association

The UK Copper Board

Institute of Plumbing

Heating and Ventilating Contractors Association

Thermostatic Mixing Valve Manufacturers Association

Scottish and Northern Ireland Plumbing Employers Federation

PEGLER

Commercial valve solutions

This data book has been produced in clearly defined sections to help the user to find relevant information quickly and easily. At the foot of each page is a reminder of the brochure sections with the relevant page numbers.

Section 1

Range overview

Section 2

Product details

Section 3

Technical data

Section 4

Flow charts

PEGLER

Commercial valve solutions
Valve connection overview

Pegler Yorkshire has been a major force in valves and fittings for over 100 years and our new commercial valves package for the HVAC market is built upon the unique strengths in design and manufacture accumulated over this period.

As well as offering traditional threaded and compression connections the Pegler commercial valves range also offers the new connection technology of press-fit and push-fit jointing and sets a new standard for the industry.

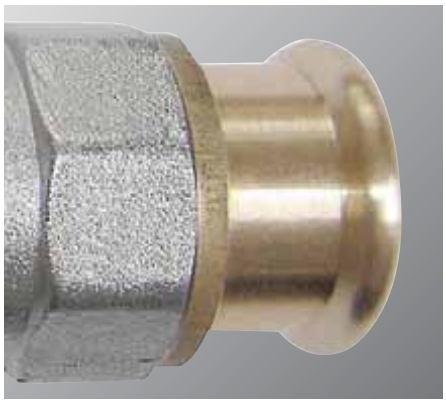
When pipe sizing reaches 2" sizes and above, particular consideration should be given to material selection. The Pegler commercial valves package also offers cast iron and steel valves in a range of types and sizes. Steel valve applications are focused on district heating but also form part of the Pegler commercial package with flanged and welded end valves being available.

Press-fit connections

A quick, clean, heat-free jointing technology for copper, stainless steel and carbon steel pipe work up to 54mm. Unique 'Leak Before Press' feature on all connection sizes up to 54mm (DN50 Screwed valves).

Features

- *Unique design and using bronze permits jointing of all materials – one connector fits all*
- *Simple and fast, reduces time on site with good repetition of joint quality*
- *Uses one simple, inexpensive tool with no additional materials*
- *Intrinsically clean, no flushing to remove residues*
- *No hot works permits and associated insurance implications or health & safety hazards*
- *Suitable for both heating, chilled and potable water (where WRAS Approved)*
- *Valves available in Bronze, Duplex Brass and DZR to suit operating duty.*



Push-fit connections

A fast, cost effective jointing system ideal for copper and steel (stainless and carbon), with joints created in seconds without complex clamping, the application of heat and extended preparation and adhesive curing delays.

Features

- *Major time savings*
- *Permits rapid installation and removal (if required)*
- *No special tools required*
- *Heat-free for enhanced safety, with no localised annealing*
- *No carbon deposits, reduced corrosion risk*
- *Perfectly clean internal bore, less finishing/cleaning*
- *Valves available in Bronze, Duplex Brass and DZR to suit operating duty.*

Threaded connections

A heat free jointing method particularly suited to smaller, fixed systems using EN10255 mild steel tube, where the installation is expected to remain unchanged for long periods of time. Products are available (dependent on style) for three types of thread.

Features

- *BS EN 10226 (BS21) taper thread*
- *ISO 228 parallel thread*
- *ANSI (NPT) American taper thread*
- *Suitable for heating, cooling and potable water applications (where material suitability and relevant standards are applicable or WRAS Approved is required)*
- *Valves available in Bronze, Duplex Brass and DZR.*

Compression connections

A traditional heat free mechanical jointing system making it easy to undo and re-make joints. Ideal for applications where maintenance and repair are required.

Features

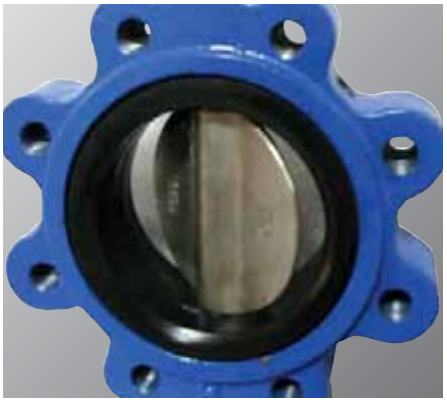
- *Major time saving compared to soldering and brazing*
- *Intrinsically clean bore, less flushing/cleaning*
- *No hot works permits and associated insurance implications*
- *Suitable for heating, cooling and potable water applications (where material suitability and relevant standards are applicable or WRAS Approved is required)*
- *Valves available in Duplex Brass, DZR and Gunmetal.*

Flanged connections

A robust jointing mechanism for pipe diameters of DN65 and upwards. Ideally suited to applications where pipe work is likely to be dismantled for valve maintenance/replacement. Very quick and easy to undo and re-make joints or where pre fabrication is the chosen construction method.

Features

- *Valves available in Steel and Cast Iron in gate, ball, butterfly, swing and dual plate check valves*
- *Suitable for heating, cooling and potable water applications (where material suitability and relevant standards are applicable).*



Weld connections

A high integrity, leak proof jointing method ideal for pipelines where operating temperatures and pressures determine that welding is the optimal jointing method. Ideal for systems where maintenance is not required.

Features

- *Valves available in Steel*
- *Available in weld prepared and extended connection piece tail styles*
- *Ball valves available to PN40*
- *Live weld in tapping kits and valves available.*

PEGLER

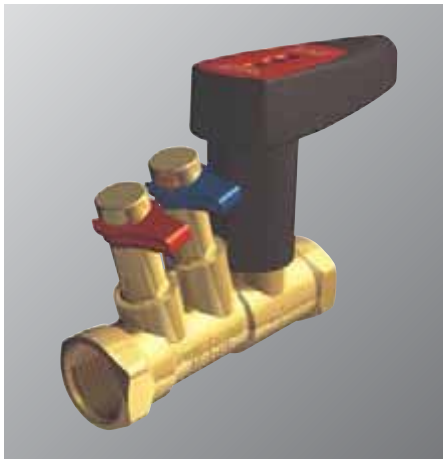
Commercial valve solutions
Valve range overview

Commissioning valves

A class leading, comprehensive range of fixed orifice double regulating commissioning valves including high performance Ballorex Venturi principle and traditional oblique pattern screwed and flanged valves.

Features

- *DN15 – DN300 size range*
- *Choice of press-fit, push-fit, threaded, compression and flanged connections*
- *Range includes Dynamic valves with direct flow verification and utilizing the highly accurate Venturi principle and actuators*
- *Low, standard and high flow options available (DN15 – DN20)*
- *DN15 – DN50 manufactured in DZR*
- *WRAS approval *where stated.*



Gate valves

Optimally designed, traditional full way gate valves either in wheel head or lockshield are ideal for isolating a range of fluids in pipe lines.

Features

- *DN15 – DN100 size range*
- *Choice of press-fit, push-fit, threaded, compression and flanged connections *where applicable*
- *Brass, DZR, Bronze and Cast Iron construction materials.*

Quarter turn ball valves

Compact, easy to operate, quarter turn ball valves in the Pegler Commercial range are designed for long, trouble free service. Available in lever, 'T' handle and key operated lockshield designs, they provide an ideal means of isolating a range of fluids in pipe lines.

Features

- *DN15 – DN100 size range*
- *PN16, PN25, PN40 pressure rated options available*
- *Available in Brass, Chrome Plated Brass unplated DZR*
- *Full bore*
- *Choice of press-fit, push-fit, threaded and compression connections*
- *Optional locking devices available.*

Ballomax ball valves

Full bore Ballomax steel ball valves are ideal for district heating systems, general heating systems and a host of industrial applications.

Features

- *DN15 – DN400 standard size range*
- *PN16, PN25, PN40 pressure rating available*
- *Full welded, full bore, ball seal compensated, steel valves*
- *Screwed, weld ends and flanged connections available*
- *Hot (live tapping kits) available (DN15 – DN100 branch size)*
- *Lever, lockshield, gearbox, manhole, electric actuation and mobile operation available.*

Butterfly valves

Butterfly valves are ideal where a slim profile, low weight isolation and throttling is required on DN65 and above pipe sizes.

Features

- *DN65 – DN300 standard size range (larger sizes are available)*
- *PN16 rated*
- *Fully lugged and semi-lugged options available*
- *Stainless steel disc as standard*
- *Lever and gearbox operation options.*

Check valves

An extensive range of single and double valves in Bronze, Brass and Cast Iron. Designs include swing, horizontal lift, dual plate and spring/foot – as well as stainless steel wafer pattern.

Features

- *DN15 – DN300 standard size range*
- *PN16 ratings for flange, ratings to PN32 on thread valves*
- *Choice of press-fit, push-fit, threaded, compression and flanged connections*
- *Bronze, Brass, DZR and Cast Iron construction materials*
- *WRAS approval *where stated.*

PEGLER

Commercial valve solutions
Valve range overview

Globe valves

Globe valves offer the ideal solution where control or throttling is required to control or regulate the flow of fluids in a pipe line.

Features

- *DN8 – DN50 size range*
- *PN32 rated*
- *Renewable or metal disc options available*
- *Bronze construction materials.*

Strainers

Y-pattern strainers with mesh filters provide highly effective protection from system debris causing damage to sensitive controls and valves in a pipe line. A heavy pattern strainer with capped test points is included in the range for measuring pressure drops in identifying the need for mesh cleaning.

Features

- *DN15 – DN300 size range*
- *PN16 – 32 ratings*
- *Y-pattern and isolating options available*
- *Choice of press-fit, push-fit, threaded and flanged connections * where applicable*
- *Stainless steel mesh as standard*
- *Cast Iron Y-pattern strainer.*

Thermal circulation valves

Pegler thermostatically-controlled circulation valves permit water to flow in closed, pumped domestic services ensuring effective flow temperatures and, helping to prevent the health dangers posed by Legionella. Also minimizes scalding and water consumption.

Features

- *DN15 – DN25 size range*
- *PN16 rated*
- *Bronze construction*
- *Female screwed and male screwed connections available*
- *User set, automatic thermal balancing and circulation functions*
- *Isolation, drain off and regulating contained within one valve*
- *Accessories include, custom insulation jackets and temperature gauge.*

Ballofix isolating service valves

Ballofix in-line isolation valves offer a wide range of both body styles and end connections for potable and hot and cold water, oil and compressed air and gas services.

Features

- *DN8 – DN25 size range, 15mm to 28mm*
- *PN10 rated*
- *Press-fit, push-fit, compression and threaded connections available*
- *Filter options available*
- *DZR brass unplated and chrome plated options.*

Draincocks and ancillaries

Pegler draincocks, gland and ball drain valves offer a wide range of solutions for draining down pipe lines or to take draw offs.

Features

- *DN15 – DN25 size range*
- *Screwed connections available*
- *Bronze, Brass and DZR materials of construction available.*

PEGLER

Commercial valve solutions
Introduction to Ballorex Modular

Ballorex Modular is a bespoke system made up of a variety of interlinked multifunctional valves and components manufactured from DZR brass. These are assembled into a complete unit that allows connection, regulation, isolation, flushing and draining.

Connections are made via female BSP, Tectite Pro or compression joints to the main pipework system; and via compression fittings – suitable for copper or multilayer pipe systems – to the terminal unit.

Advantages of Ballorex Modular

The primary advantage of the Ballorex Modular system is its ability to be supplied in a wide variety of configurations in line with the specifiers' particular needs. Any component combination can be requested, and will be assembled specifically to meet individual requirements.

Other advantages of Ballorex Modular include:

Operational capabilities

- *Can carry out any water flow control function required by a terminal unit – forward flush, bypass or backflush.*
- *The flow rate can be adjusted and set through the Ballorex Venturi commissioning valve.*

Installation

- *Installation planning is straightforward as all functions are contained within one unit.*
- *Requires no on-site or in situ adaptation prior to installation.*
- *A compact system, due to the valves' multifunctional capabilities and the ability to specify the flow and return centre spacing.*

Maintenance and practicalities

- *Valves with extended spindles contain a unique integral non-rotating outer spindle. This ensures that the vapour seal is maintained once insulation is applied and the valve opened or closed.*
- *Ball valve handles are colour coded red or blue to indicate heating or chilled water respectively.*
- *Colour coded test points throughout the unit allow temperature and pressure measurements to be taken.*
- *Strainers can easily be removed without the need to drain water from the installation.*

Ballorex Modular components

Each Ballorex Modular system is made up of a number of components, each with a particular function. Following specification these components are factory configured, tested and packaged as a complete unit.

Tube and pipe compatibility

Ballorex Modular valves can be used with copper tube to BS EN 1057, carbon steel tube to DIN 2394/NEN 1982, steel tube to BS 1387 and multilayer tube as indicated in column I opposite.

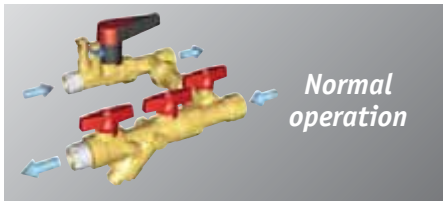
Installation

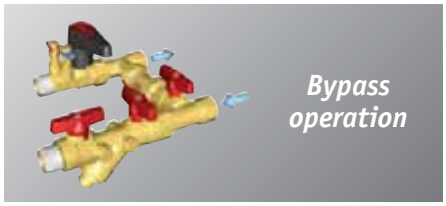
Each Ballorex Modular unit is supplied pre-assembled or with the specified individual components for self-assembly. Jointing instructions can be made available from our technical department.

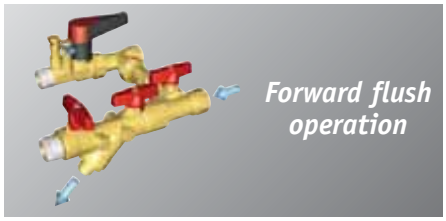
Pre-commissioning

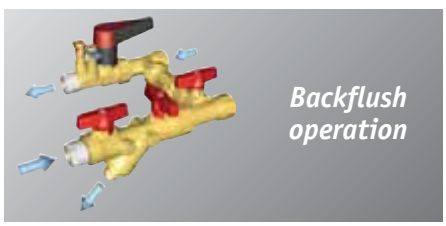
Pre-commissioning the Ballorex Modular system can be carried out in three simple steps – bypass operation, forward flush operation and backflush operation. Together, these flushing operations clear any debris which could have potentially entered the system during its assembly (refer to the adjacent illustrations and handle positions).

The strainer basket will need to be emptied of debris following prolonged use of the forward flush operation. However, an in-built design feature means this is not necessary for the backflush operation.







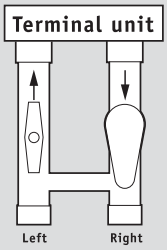


Ballorex Modular specification options

Simply select the required components from left to right. The corresponding codes will make up the unique order references as illustrated.

Column	A	B	C	D	E	F	G	H	I
Option	43	733	E	1-	L	L	0	0	26

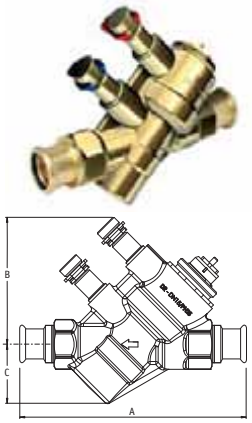
- 22mm copper Eurocone compression to terminal unit
- ½" BSP female inlet
- Handle colour red
- Ballorex Venturi left
- Ballorex Venturi low flow
- Airvent left
- Ball valve with test point
- H module with 145mm centre distance
- DN15 unit size



A Size		B H module		C Valve module		D Accessory module		E Ballorex Venturi		F Venturi left/right		G Handle colour		H Pipework connections		I Terminal unit connections	
43	DN15	730	H module 99mm	C	Ball valve	0-	None	L	Low flow	L	Left	0	Red	0	½" BSP female	23	15mm copper Eurocone compression
44	DN20	731	H module 145mm	D	Ball valve with extended spindle	1-	Airvent left	S	Standard flow	R	Right	1	Blue	1	¾" BSP female	26	22mm copper Eurocone compression
53	ABV DN15	735	H module 99mm hanger extension left	E	Ball valve with test point	2-	Test point left	H	High flow					2	15mm Tectite Pro	31	¾" male flat face
54	ABV DN20	736	H module 145mm hanger extension left	F	Ball valve with test points and extended spindles	3-	Drain left							3	22mm Tectite Pro	59	15mm Tectite Pro
63	ABV M DN15	740	H module 99mm hanger extension right	G	Ball valve with extended test points and extended spindles	4-	Airvent right							6	15mm Press end	60	22mm Tectite Pro
73	ABV M O DN15	741	H module 145mm hanger extension right	H	Y-Strainer	5-	Test point right							7	22mm Press end		
64	ABV M DN20	745	H module 99mm hanger extension both	I	Y-Strainer with extended spindles	6-	Drain right							8	18mm Press end		
74	ABV M O DN20	746	H module 145mm hanger extension both	J	Y-Strainer with test points	7-	Airvent both										
				K	Y-Strainer with test points and extended spindles	8-	Test point both										
				L	Y-Strainer with extended test points and extended spindles	9-	Drain both										

Press-fit valves

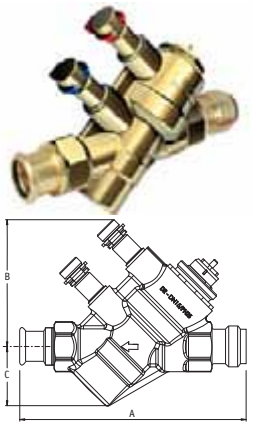
Ballorex Venturi DZR press-fit commissioning valves



PS902S Ballorex Venturi DZR Dynamic valve – excluding actuator

XPress ends for copper/carbon steel/stainless steel tube. Direct flow measuring

Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	Weight kg	Flow Rate l/s	Order code
PS902SL	DN15	15mm	141	76	35	0.62	0.01 - 0.035	15282
PS902SS	DN15	15mm	141	76	35	0.62	0.03 - 0.15	15283
PS902SH	DN15	15mm	141	76	35	0.62	0.09 - 0.40	15284
PS902SL	DN15	18mm	141	76	35	0.62	0.01 - 0.035	15285
PS902SS	DN15	18mm	141	76	35	0.62	0.03 - 0.15	15286
PS902SH	DN15	18mm	141	76	35	0.62	0.09 - 0.40	15287



XT902S Ballorex Venturi DZR Dynamic valve – excluding actuator

XPress press ends x Tectite push ends for copper/carbon steel/stainless steel tube. Direct flow measuring

Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	Weight kg	Flow Rate l/s	Order code
XT902SL	DN15	15mm	142	76	35	0.63	0.01 - 0.035	15924
XT902SS	DN15	15mm	142	76	35	0.63	0.03 - 0.15	15926
XT902SH	DN15	15mm	142	76	35	0.63	0.09 - 0.40	15928
XT902SL	DN15	18mm	142	76	35	0.63	0.01 - 0.035	15925
XT902SS	DN15	18mm	142	76	35	0.63	0.03 - 0.15	15927
XT902SH	DN15	18mm	142	76	35	0.63	0.09 - 0.40	15929

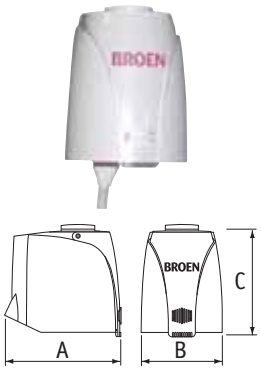
BALLOREX DYNAMIC ACTUATOR SPECIFICATION – ACTUATOR ON/OFF

Cat No.	Valve Size	Dimensions in mm A	B	C	Power Supply	Standard Position	Protection	Adaptor	Order Code
AT01	DN15	44	47	54	230v	Normally closed	IP54	M30 x 1.5	15280

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

BALLOREX DYNAMIC ACTUATOR SPECIFICATION – ACTUATOR MODULATING

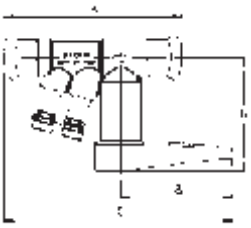
Cat No.	Valve Size	Dimensions in mm A	B	C	Power Supply	Control Voltage Input	Standard Position	Protection	Adaptor	Order Code
AE01	DN15	64	44	55	24v AC	0-10v DC	Normally closed	IP54	M30 x 1.5	15281



PS900S Ballorex Venturi DZR Static commissioning station (FODRV)

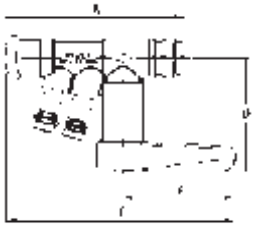
With regulation, isolation and flow measurement functions.
XPress ends for copper/carbon steel/stainless steel tube

Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	D	Weight kg	Kvs m3/h	Kv m3/h	Loss Factor	Order code
PS900SL	DN15	15mm	138	75	162	76	0.49	0.359	0.629	0.33	15550
PS900SS	DN15	15mm	138	75	162	76	0.49	0.749	1.620	0.21	15551
PS900SH	DN15	15mm	138	75	162	76	0.49	1.560	2.490	0.39	15552
PS900SL	DN15	18mm	138	75	162	76	0.49	0.359	0.629	0.33	15553
PS900SS	DN15	18mm	138	75	162	76	0.49	0.749	1.620	0.21	15554
PS900SH	DN15	18mm	138	75	162	76	0.49	1.560	2.490	0.39	15555
PS900SL	DN20	15mm	143	75	166	79	0.51	0.746	1.430	0.27	15556
PS900SS	DN20	15mm	143	75	166	79	0.51	1.560	2.820	0.31	15557
PS900SH	DN20	15mm	143	75	166	79	0.51	2.950	5.720	0.27	15558
PS900SL	DN20	18mm	143	75	166	79	0.51	0.746	1.430	0.27	15559
PS900SS	DN20	18mm	143	75	166	79	0.51	1.560	2.820	0.31	15560
PS900SH	DN20	18mm	143	75	166	79	0.51	2.950	5.720	0.27	15561
PS900SL	DN20	22mm	147	75	166	79	0.52	0.746	1.430	0.27	15562
PS900SS	DN20	22mm	147	75	166	79	0.52	1.560	2.820	0.31	15563
PS900SH	DN20	22mm	147	75	166	79	0.52	2.950	5.720	0.27	15564
PS900SS	DN25	28mm	165	75	177	83	0.88	2.950	7.540	0.15	15565
PS900SH	DN25	28mm	165	75	177	83	0.88	6.010	12.10	0.25	15566
PS900SH	DN32	35mm	188	122	237	109	1.62	6.010	13.200	0.21	15567
PS900SH	DN40	42mm	194	122	240	113	2.18	9.200	22.000	0.17	15568
PS900SH	DN50	54mm	243	122	265	120	3.38	17.100	36.000	0.23	15569



Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

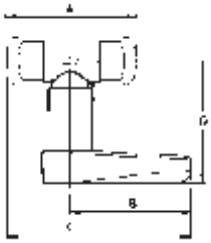
Press-fit valves



XT900S Ballorex Venturi DZR Static commissioning station (FODRV)

With regulation, isolation and flow measurement functions.
XPress press ends x Tectite push ends for copper/carbon steel/stainless steel tube

Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	D	Weight kg	Kvs m3/h	Kv m3/h	Loss Factor	Order code
XT900SL	DN15	15mm	141	75	162	76	0.49	0.359	0.629	0.33	15620
XT900SS	DN15	15mm	141	75	162	76	0.49	0.749	1.620	0.21	15621
XT900SH	DN15	15mm	141	75	162	76	0.49	1.560	2.490	0.39	15622
XT900SL	DN15	18mm	142	75	163	76	0.49	0.359	0.629	0.33	15623
XT900SS	DN15	18mm	142	75	163	76	0.49	0.749	1.620	0.21	15624
XT900SH	DN15	18mm	142	75	163	76	0.49	1.560	2.490	0.39	15625
XT900SL	DN20	15mm	147	75	161	79	0.52	0.746	1.430	0.27	15626
XT900SS	DN20	15mm	147	75	161	79	0.52	1.560	2.820	0.31	15627
XT900SH	DN20	15mm	147	75	161	79	0.52	2.950	5.720	0.27	15628
XT900SL	DN20	18mm	148	75	166	79	0.52	0.746	1.430	0.27	15629
XT900SS	DN20	18mm	148	75	166	79	0.52	1.560	2.820	0.31	15630
XT900SH	DN20	18mm	148	75	166	79	0.52	2.950	5.720	0.27	15631
XT900SL	DN20	22mm	153	75	167	79	0.53	0.746	1.430	0.27	15632
XT900SS	DN20	22mm	153	75	167	79	0.53	1.560	2.820	0.31	15633
XT900SH	DN20	22mm	153	75	167	79	0.53	2.950	5.720	0.27	15634
XT900SS	DN25	28mm	171	75	177	83	0.88	2.950	7.540	0.15	15635
XT900SH	DN25	28mm	171	75	177	83	0.88	6.010	12.10	0.25	15636
XT900SH	DN32	35mm	219	122	237	109	1.71	6.010	13.200	0.21	15637
XT900SH	DN40	42mm	239	122	249	113	2.25	9.200	22.000	0.17	15638
XT900SH	DN50	54mm	256	122	264	120	3.37	17.100	36.000	0.23	15639



PS901S Ballorex Venturi DZR double regulating valve (DRV)

With regulation and isolation functions. XPress ends for copper/carbon steel/stainless steel tube

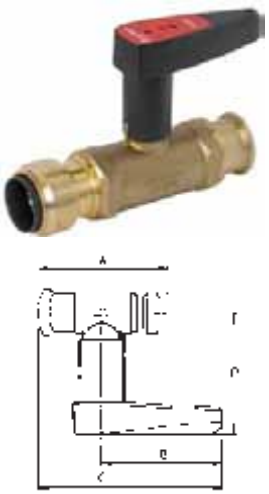
Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	D	Weight kg	Kv m3/h	Order code
PS901SL	DN15	15mm	101	75	126	76	0.31	1.62	15570
PS901SS	DN15	15mm	101	75	126	76	0.31	2.10	15571
PS901SL	DN15	18mm	101	75	126	76	0.31	1.62	15572
PS901SS	DN15	18mm	101	75	126	76	0.32	2.10	15573
PS901SL	DN20	15mm	105	75	128	79	0.39	4.26	15574
PS901SS	DN20	15mm	105	75	128	79	0.39	4.79	15575
PS901SL	DN20	18mm	105	75	128	79	0.39	4.26	15576
PS901SS	DN20	18mm	105	75	128	79	0.39	4.79	15577
PS901SL	DN20	22mm	109	75	128	79	0.40	4.26	15578
PS901SS	DN20	22mm	109	75	128	79	0.40	4.79	15579
PS901SS	DN25	28mm	128	75	140	83	0.68	12.80	15580
PS901SS	DN32	35mm	146	122	195	109	1.35	13.28	15581
PS901SS	DN40	42mm	170	122	198	113	1.77	23.30	15582
PS901SS	DN50	54mm	202	122	198	113	2.81	35.30	15583

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

XT901S Ballorex Venturi DZR double regulating valve (DRV)

With regulation and isolation functions.

XPress press ends x Tectite push ends for copper/carbon steel/stainless steel tube

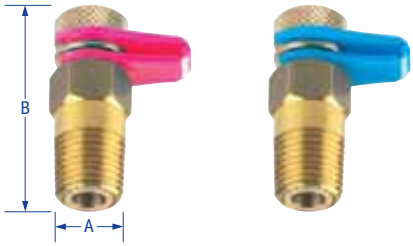


Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	D	Weight kg	Kv m3/h	Order code
XT901SL	DN15	15mm	104	75	126	76	0.30	1.62	15910
XT901SS	DN15	15mm	104	75	126	76	0.30	2.10	15911
XT901SL	DN15	18mm	105	75	127	76	0.31	1.62	15912
XT901SS	DN15	18mm	105	75	127	76	0.31	2.10	15913
XT901SL	DN20	15mm	109	75	127	79	0.40	4.26	15914
XT901SS	DN20	15mm	109	75	127	79	0.40	4.79	15915
XT901SL	DN20	18mm	110	75	128	79	0.40	4.26	15916
XT901SS	DN20	18mm	110	75	128	79	0.40	4.79	15917
XT901SL	DN20	22mm	115	75	129	79	0.41	4.26	15918
XT901SS	DN20	22mm	115	75	129	79	0.41	4.79	15919
XT901SS	DN25	28mm	134	75	140	83	0.68	12.80	15920
XT901SS	DN32	35mm	177	122	195	109	1.45	13.28	15921
XT901SS	DN40	42mm	197	122	207	113	1.83	23.30	15922
XT901SS	DN50	54mm	225	122	223	120	2.81	35.30	15923

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

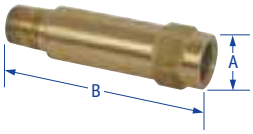
Press-fit valves

Ballorex Venturi accessories



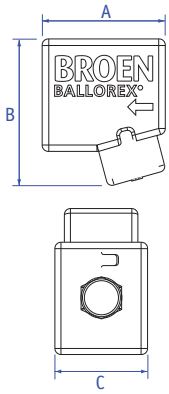
910TP Red and blue Venturi test points
Male taper thread

Size	A	B	Weight kg	Order code
1/4"	14	38	0.03	15201



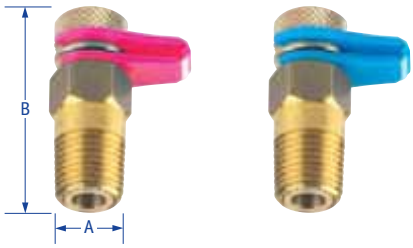
920EX Venturi test point extension kit
Male taper thread

Size	A	B	Weight kg	Order code
1/4" x 50mm	17	65	0.09	15205



Insulation jackets for Ballorex Venturi valve

Size	A	B	C	Order code
1/2"	92	112	70	15250
3/4"	98	118	75	15251
1"	110	124	80	15252
1 1/4"	128	133	94	15253
1 1/2"	138	140	100	15254
2"	153	152	118	15255



DZR Red and blue self seal test points
Male taper connection

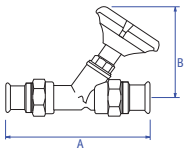
Size	A	B	Weight kg	Order code
1/4" x 36mm	14	36	0.03	126041
1/4" x 75mm	14	75	0.06	126042

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

DZR press-fit commissioning valves

PS1200 Double regulating valve (DRV)

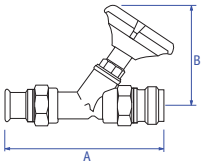
DZR brass body, XPress ends for copper/carbon steel/stainless steel tube



Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
15mm standard flow	127	106	0.56	0.40	126009
18mm standard flow	127	106	0.58	2.30	126131
22mm standard flow	136	106	0.64	2.48	126010
28mm standard flow	157	113	1.00	7.15	126011
35mm standard flow	181	120	1.48	15.08	126012
42mm standard flow	195	123	1.89	20.84	126013
54mm standard flow	235	138	3.29	28.89	126014

XT1200 Double regulating valve (DRV)

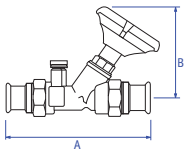
DZR brass body, XPress press end x Tectite push end for copper/carbon steel/stainless steel tube



Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
15mm standard flow	126	106	0.56	0.40	126209
18mm standard flow	127	106	0.56	2.30	126210
22mm standard flow	139	106	0.65	2.48	126211
28mm standard flow	162	113	1.00	7.15	126212
35mm standard flow	210	120	1.61	15.08	126213
42mm standard flow	226	123	2.12	20.84	126214
54mm standard flow	267	138	3.54	28.89	126215

PS1260 Commissioning valve (FODRV)

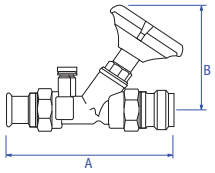
DZR brass body with test points, XPress ends for copper/carbon steel/ stainless steel tube



Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Kvs m3/h*	*Order code*
15mm low flow	127	106	0.61	0.40	0.41	126029
15mm standard flow	127	106	0.60	1.86	2.15	126030
18mm low flow	127	106	0.61	0.40	0.41	126134
18mm standard flow	127	106	0.60	1.86	2.15	126135
22mm standard flow	136	106	0.68	2.27	4.78	126031
28mm standard flow	157	113	1.04	6.11	8.11	126032
35mm standard flow	181	120	1.50	12.65	15.41	126033
42mm standard flow	195	123	1.96	19.00	22.23	126034
54mm standard flow	235	138	3.36	28.42	48.21	126035

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Press-fit valves



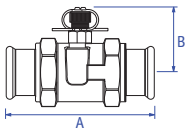
XT1260 Commissioning valve (FODRV)

DZR brass body with test points, XPress press end x Tectite push end for copper/carbon steel/stainless steel tube

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Kvs m3/h*	*Order code*
15mm low flow	126	106	0.61	0.40	0.41	126200
15mm standard flow	126	106	0.61	1.86	2.15	126201
18mm low flow	127	106	0.60	0.40	0.41	126202
18mm standard flow	127	106	0.60	1.86	2.15	126203
22mm standard flow	139	106	0.69	2.27	4.78	126204
28mm standard flow	162	113	1.05	6.11	8.11	126205
35mm standard flow	210	120	1.67	12.65	15.41	126206
42mm standard flow	226	123	2.18	19.00	22.23	126207
54mm standard flow	267	138	3.61	28.42	48.21	126208

Temperature range: -10°C to +110°C

DZR press-fit metering stations

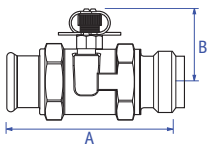


PS1250 DZR metering station

DZR brass body with test points, XPress ends for copper/carbon steel/ stainless steel tube

Size	*A*	*B*	*Weight kg*	*Kvs m3/h*	*Order code*
15mm low flow	96	40	0.29	0.41	126070
15mm standard flow	96	40	0.29	2.15	126071
18mm low flow	96	40	0.29	0.41	126132
18mm standard flow	96	40	0.29	2.15	126133
22mm standard flow	101	42	0.34	4.78	126072
28mm standard flow	117	46	0.54	8.11	126073
35mm standard flow	127	52	0.76	15.41	126074
42mm standard flow	139	52	0.89	22.23	126075
54mm standard flow	153	57	1.32	48.21	126076

Temperature range: -10°C to +110°C



XT1250 DZR metering station

DZR brass body with test points, XPress press end x Tectite push end for copper/carbon steel/stainless steel tube

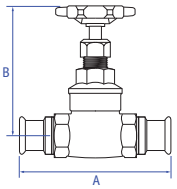
Size	*A*	*B*	*Weight kg*	*Kvs m3/h*	*Order code*
15mm low flow	95	65	0.33	0.41	126216
15mm standard flow	95	65	0.33	2.15	126217
18mm low flow	96	65	0.33	0.41	126218
18mm standard flow	96	65	0.33	2.15	126219
22mm standard flow	104	68	0.40	4.78	126220
28mm standard flow	122	78	0.60	8.11	126221
35mm standard flow	156	83	0.98	15.41	126222
42mm standard flow	170	89	1.18	22.23	126223
54mm standard flow	185	103	1.64	48.21	126224

Temperature range: -10°C to +110°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Bronze press-fit gate valves

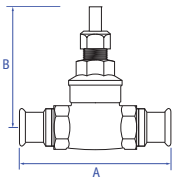
PS1070/125 Bronze full way gate valve
XPress ends for copper/carbon steel/stainless steel tube



Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	98	85	0.39	14.00	103301
DN15	18mm	98	85	0.39	14.00	103302
DN20	22mm	104	95	0.56	32.00	103303
DN25	28mm	117	110	0.84	57.00	103304
DN32	35mm	130	125	1.26	90.00	103305
DN40	42mm	141	145	1.69	129.00	103306
DN50	54mm	165	170	2.67	230.00	103307

Temperature range: -10°C to +110°C

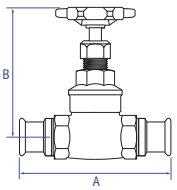
PS1070/125LS Bronze full way gate valve with lockshield
XPress ends for copper/carbon steel/stainless steel tube



Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	97.5	75	0.39	14.00	103311
DN15	18mm	103.5	85	0.39	14.00	103312
DN20	22mm	103.5	85	0.56	32.00	103313
DN25	28mm	116.5	100	0.84	57.00	103314
DN32	35mm	129.5	110	1.26	90.00	103315
DN40	42mm	140.5	130	1.69	129.00	103316
DN54	54mm	164.5	155	2.67	230.00	103317

Temperature range: -10°C to +110°C

PS1078 DZR full way gate valve
XPress ends for copper/carbon steel/stainless steel tube

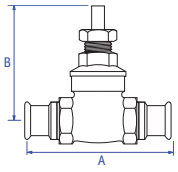


Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	97.5	85	0.38	14.00	204056
DN15	18mm	103.5	95	0.38	14.00	204057
DN20	22mm	103.5	95	0.56	32.00	204058
DN25	28mm	116.5	110	0.87	57.00	204059
DN32	35mm	129.5	125	1.30	90.00	204060
DN40	42mm	140.5	145	1.62	129.00	204061
DN50	54mm	164.5	170	2.84	230.00	204062

Temperature range: -10°C to +110°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Press-fit valves



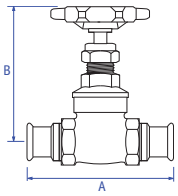
PS1078LS DZR full way gate valve with lockshield

XPress ends for copper/carbon steel/stainless steel tube

Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	97.5	75	0.38	14.00	204063
DN15	18mm	103.5	85	0.38	14.00	204064
DN20	22mm	103.5	85	0.56	32.00	204065
DN25	28mm	116.5	100	0.87	57.00	204066
DN30	35mm	129.5	110	1.30	90.00	204067
DN40	42mm	140.5	130	1.62	129.00	204068
DN50	54mm	164.5	155	2.84	230.00	204069

Temperature range: -10°C to +110°C

Brass press-fit gate valves

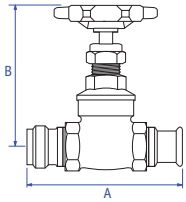


PS1068 Brass full way gate valve

XPress ends for copper/carbon steel/stainless steel tube

Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	98	85	0.38	14.00	203301
DN15	18mm	98	85	0.38	14.00	203302
DN20	22mm	104	95	0.56	32.00	203303
DN25	28mm	117	110	0.87	57.00	203304
DN32	35mm	130	125	1.30	90.00	203305
DN40	42mm	141	145	1.62	129.00	203306
DN50	54mm	165	170	2.84	230.00	203307

Temperature range: -10°C to +110°C



XT1068 Brass full way gate valve

XPress press ends x Tectite push ends for copper/carbon steel/stainless steel tube

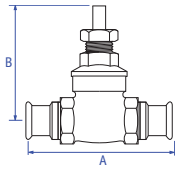
Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	99	85	0.39	14.00	203320
DN15	18mm	100	85	0.39	14.00	203321
DN20	22mm	109	95	0.56	32.00	203322
DN25	28mm	124	110	0.85	57.00	203323
DN32	35mm	162	125	1.41	90.00	203324
DN40	42mm	175	145	1.90	129.00	203325
DN50	54mm	200	170	2.92	230.00	203326

Temperature range: 15mm to 28mm -10°C to +110°C
35mm to 54mm -10°C to +90°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

PS1068LS Brass full way gate valve with lockshield

XPress ends for copper/carbon steel/stainless steel tube

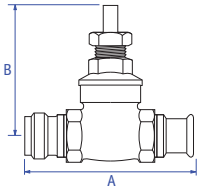


Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	98	85	0.38	14.00	203311
DN15	18mm	98	85	0.38	14.00	203312
DN20	22mm	104	95	0.56	32.00	203313
DN25	28mm	117	110	0.87	57.00	203314
DN32	35mm	130	125	1.30	90.00	203315
DN40	42mm	141	145	1.62	129.00	203316
DN50	54mm	165	170	2.84	230.00	203317

Temperature range: -10°C to +110°C

XT1068LS Brass full way gate valve with lockshield

XPress press ends x Tectite push ends for copper/carbon steel/stainless steel tube



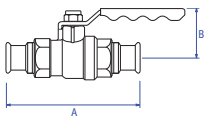
Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	99	85	0.39	14.00	203327
DN15	18mm	100	85	0.39	14.00	203328
DN20	22mm	109	95	0.56	32.00	203329
DN25	28mm	124	110	0.85	57.00	203330
DN32	35mm	162	125	1.41	90.00	203331
DN40	42mm	175	145	1.90	129.00	203332
DN50	54mm	200	170	2.92	230.00	203333

Temperature range: 15mm to 28mm -10°C to +110°C
35mm to 54mm -10°C to +90°C

DZR Brass press-fit ball valves

PS500 Brass chrome plated ball valve with lever, full bore

XPress ends for copper/carbon steel/stainless steel tube

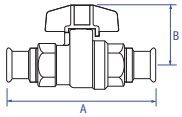


Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	105	39	0.30	17.00	242301
DN15	18mm	105	39	0.31	17.00	242302
DN20	22mm	115	50	0.50	41.00	242303
DN25	28mm	131	55	0.75	70.00	242304
DN32	35mm	152	62	1.17	121.00	242305
DN40	42mm	165	78	1.85	200.00	242306
DN50	54mm	197	84	3.00	292.00	242307

Temperature range: -10°C to +110°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Press-fit valves

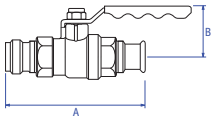


PS500T Brass chrome plated ball valve with tee, full bore

XPress ends for copper/carbon steel/stainless steel tube

Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	105	40	0.30	17.00	243301
DN15	18mm	105	40	0.31	17.00	243302
DN20	22mm	115	51	0.50	41.00	243303
DN25	28mm	131	55	0.75	70.00	243304

Temperature range: -10°C to +110°C

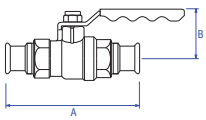


XT500 Brass chrome plated ball valve with lever, full bore

XPress press ends x Tectite push fit for copper/carbon steel/stainless steel tube

Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	106	39	0.22	17.00	243320
DN15	18mm	107	39	0.22	17.00	243321
DN20	22mm	121	51	0.33	41.00	243322
DN25	28mm	139	55	0.56	70.00	243323
DN32	35mm	184	62	0.99	121.00	243324
DN40	42mm	199	78	1.45	200.00	243325
DN50	54mm	234	84	2.82	292.00	243326

Temperature range: 15mm to 28mm -10°C to +110°C
35mm to 54mm -10°C to +90°C

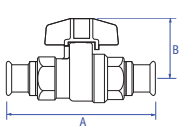


PS550 DZR ball valve with lever, full bore

XPress ends for copper/carbon steel/stainless steel tube

Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	105	39	0.30	17.00	245220
DN15	18mm	105	39	0.31	17.00	245221
DN20	22mm	115	50	0.50	41.00	245222
DN25	28mm	131	55	0.75	70.00	245223
DN32	35mm	152	62	1.17	121.00	245224
DN40	42mm	165	78	1.85	200.00	245225
DN50	54mm	197	84	3.00	292.00	245226

Temperature range: -10°C to +110°C



PS550T DZR ball valve with tee, full bore

XPress ends for copper/carbon steel/stainless steel tube

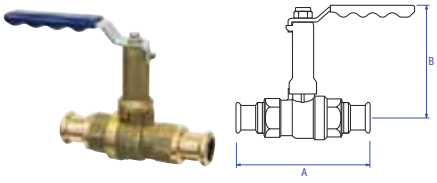
Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	105	40	0.30	17.00	245230
DN15	18mm	105	40	0.31	17.00	245231
DN20	22mm	115	51	0.50	41.00	245232
DN25	28mm	131	55	0.75	70.00	245233

Temperature range: -10°C to +110°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

PS550EL DZR ball valve with extended lever, full bore

XPress press ends x Tectite push ends for copper/carbon steel/stainless steel tube

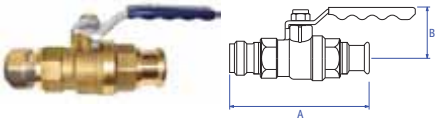


Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	105	78.3	0.372	17.00	245300
DN15	18mm	105	78.3	0.374	17.00	245301
DN20	22mm	115	97	0.598	41.00	245302
DN25	28mm	131	101	0.72	70.00	245303
DN32	35mm	152	108	1.25	121.00	245304
DN40	42mm	165	128	1.77	200.00	245305
DN50	54mm	197	146.2	2.81	292.00	245306

Temperature range: -10°C to +110°C

XT550 DZR ball valve with lever, full bore

XPress press ends x Tectite push ends for copper/carbon steel/stainless steel tube

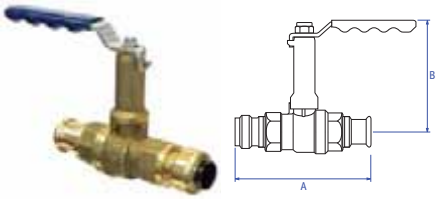


Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	106	39	0.30	17.00	245120
DN15	18mm	107	39	0.30	17.00	245121
DN20	22mm	121	50	0.50	41.00	245122
DN25	28mm	139	55	0.76	70.00	245123
DN32	35mm	184	62	1.33	121.00	245124
DN40	42mm	199	78	1.84	200.00	245125
DN50	54mm	234	84	2.82	292.00	245126

Temperature range: 15mm to 28mm -10°C to +110°C
35mm to 54mm -10°C to +90°C

XT550EL DZR ball valve with extended lever, full bore

XPress press ends x Tectite push ends for copper/carbon steel/stainless steel tube



Size	*Connection*	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15	15mm	106	78.3	0.37	17.00	245273
DN15	18mm	107	78.3	0.58	17.00	245274
DN20	22mm	121	97	0.61	41.00	245275
DN25	28mm	139	101	0.86	70.00	245276
DN32	35mm	184	108	1.42	121.00	245277
DN40	42mm	199	128	2.00	200.00	245278
DN50	54mm	234	146.2	3.08	292.00	245279

Temperature range: 15mm to 28mm -10°C to +110°C
35mm to 54mm -10°C to +90°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Press-fit valves

Ball valve accessories

PBSEK Stem extension kits (suitable for PB500 ranges)

Pattern No.	*Suitable for*	*Order code*
PBSEK7	1/4", 3/8", 1/2", 15mm	227027
PBSEK8	3/4", 1", 1 1/4", 22mm, 28mm, 35mm	227028
PBSEK9	1 1/2", 2", 42mm, 54mm	227029
PBSEK10	2 1/2"	227030
PBSEK11	3", 4"	227031

Locking device (for standard lever handle products)

Pattern No.	*Suitable for*	*Order code*
LD1	1/4", 3/8", 1/2"	258001
LD2	3/4", 1", 1 1/4"	258002
LD3	1 1/2", 2"	258003

Padlock and key

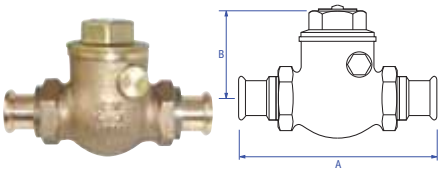
Pattern No.	*Suitable for*	*Order code*
PDK3	1/4", 3/8", 1/2", 3/4", 1", 1 1/4"	258011
PDK4	1 1/2", 2"	258012

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Bronze press-fit check valves

PS1060A Press-fit swing check valve

XPress ends for copper/carbon steel/stainless steel tube



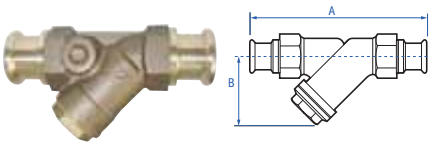
Size	*Connection*	*A*	*B*	*Weight kg*	*Flow l/s*	*Kv m3/h*	*Order code*
DN15	15mm	108	45	0.45	0.04	1.80	122301
					0.10	3.70	
					0.20	5.10	
					0.40	5.70	
DN15	18mm	108	45	0.45	0.04	1.80	122302
					0.10	3.70	
					0.20	5.10	
					0.40	5.70	
DN20	22mm	124	55	0.68	0.04	2.70	122303
					0.10	5.50	
					0.40	13.60	
					1.00	15.30	
DN25	28mm	135	60	1.01	0.01	7.70	122304
					0.20	13.90	
					0.30	18.40	
					1.00	25.30	
DN32	35mm	151	65	1.49	0.20	15.00	122305
					0.30	26.60	
					0.40	25.30	
					1.00	32.60	
DN40	42mm	170	75	1.95	0.40	30.30	122306
					0.60	40.20	
					0.80	48.50	
					3.00	54.40	
DN50	54mm	200	90	3.05	0.60	42.00	122307
					0.80	54.00	
					1.50	86.20	
					4.00	98.00	

Temperature range: -10°C to +110°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Press-fit valves

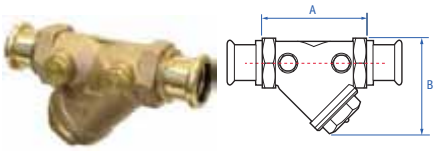
Bronze press-fit strainers



PS913 Bronze Y pattern strainer
XPress ends for copper/carbon steel/stainless steel tube

Size	Connection	A	B	Weight kg	Order code
DN15	15mm	89.5	44	0.30	15472
DN15	18mm	94.5	47	0.30	15473
DN20	22mm	94.5	47	0.41	15474
DN25	28mm	109.5	58	0.59	15475
DN32	35mm	124.5	68	0.96	15476
DN40	42mm	142.5	78	1.19	15477
DN50	54mm	172.5	98	2.00	15478

Temperature range: -10°C to +110°C



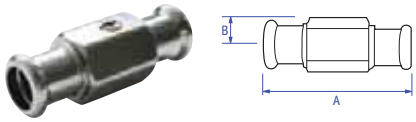
PS954 Bronze Y strainer
XPress ends for copper/carbon steel/stainless steel tube

Size	A	B	Weight kg	Order code
15mm	116	58	0.43	15430
18mm	116	58	0.43	15431
22mm	128	75	0.63	15432
28mm	152	88	0.99	15433
35mm	177	108	1.55	15434
42mm	195	124	1.94	15435
54mm	235	161	3.50	15436

Temperature range: 15mm to 28mm -10°C to +110°C
35mm to 54mm -10°C to +90°C

Ballofix DZR isolating ball valves

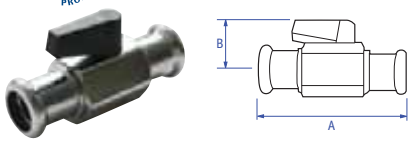
WRAS APPROVED PRODUCT



Ballofix Isolating ball valve – straight pattern
XPress ends for copper/carbon steel/stainless steel tube. Screw driver slot

Size	Pattern No	A	Weight kg	Order code
15mm	4381ZA	83	0.16	13060
22mm	4481ZA	88	0.20	13061

WRAS APPROVED PRODUCT



Ballofix Isolating ball valve – straight pattern
XPress ends for copper/carbon steel/stainless steel tube. Black plastic handle

Size	Pattern No	A	Weight kg	Order code
15mm	4381ZP	83	0.17	13062

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballofix accessories

Small plastic handle – with hexagon spigot

	Order code
CPT0059 Black	13712

Large plastic handle – with hexagon spigot

	Order code
CPT0073 Black	13721

Small plastic handle – with screw

	Order code
ERG Black	13724
ERG Red	13728
ERG Blue	13729
ERG Chrome	13732

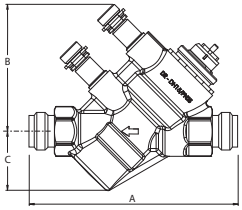
Large plastic handle – with screw

	Order code
ERG Black	13725

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Push-fit valves

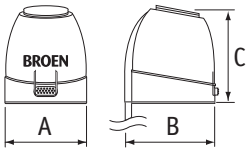
Ballorex Venturi DZR push-fit commissioning valves



PT902S Ballorex Venturi DZR Dynamic valve – excluding actuator

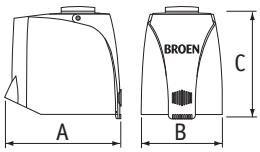
Tectite ends for copper/carbon steel/stainless steel tube. Direct flow measuring

Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	Weight kg	Flow Rate l/s	Order code
PT902SL	DN15	15mm	144	76	35	0.62	0.01 - 0.035	15288
PT902SS	DN15	15mm	144	76	35	0.62	0.03 - 0.15	15289
PT902SH	DN15	15mm	144	76	35	0.62	0.09 - 0.40	15290
PT902SL	DN15	18mm	144	76	35	0.62	0.01 - 0.035	15291
PT902SS	DN15	18mm	144	76	35	0.62	0.03 - 0.15	15292
PT902SH	DN15	18mm	144	76	35	0.62	0.09 - 0.40	15293



BALLOREX DYNAMIC ACTUATOR SPECIFICATION – ACTUATOR ON/OFF

Cat No.	Valve Size	Dimensions in mm A	B	C	Power Supply	Standard Position	Protection	Adaptor	Order Code
AT01	DN15	44	47	54	230v	Normally closed	IP54	M30 x 1.5	15280



BALLOREX DYNAMIC ACTUATOR SPECIFICATION – ACTUATOR MODULATING

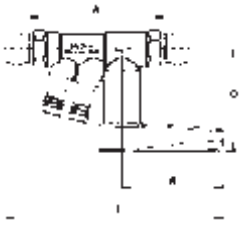
Cat No.	Valve Size	Dimensions in mm A	B	C	Power Supply	Control Voltage Input	Standard Position	Protection	Adaptor	Order Code
AE01	DN15	64	44	55	24v AC	0-10v DC	Normally closed	IP54	M30 x 1.5	15281

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballorex Venturi DZR push-fit commissioning valves

PT900S Ballorex Venturi DZR static commissioning valve (FODRV)

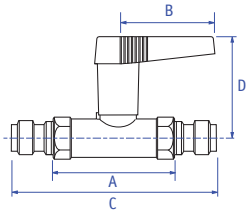
Tectite push-fit ends for copper, carbon and stainless steel tube



Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	D	Weight kg	Kvs m3/h	Kv m3/h	Loss Factor	Order code
PT900SL	DN15	15mm	143	75	162	76	0.48	0.359	0.629	0.33	15584
PT900SS	DN15	15mm	143	75	162	76	0.48	0.749	1.620	0.21	15585
PT900SH	DN15	15mm	143	75	162	76	0.48	1.560	2.490	0.39	15586
PT900SL	DN15	18mm	143	75	162	76	0.48	0.359	0.629	0.33	15587
PT900SS	DN15	18mm	143	75	162	76	0.48	0.749	1.620	0.21	15588
PT900SH	DN15	18mm	143	75	162	76	0.48	1.560	2.490	0.39	15589
PT900SL	DN20	15mm	143	75	166	79	0.52	0.746	1.430	0.27	15590
PT900SS	DN20	15mm	143	75	166	79	0.52	1.560	2.820	0.31	15591
PT900SH	DN20	15mm	143	75	166	79	0.52	2.950	5.720	0.27	15592
PT900SL	DN20	18mm	143	75	166	79	0.52	0.746	1.430	0.27	15593
PT900SS	DN20	18mm	143	75	166	79	0.52	1.560	2.820	0.31	15594
PT900SH	DN20	18mm	143	75	166	79	0.52	2.950	5.720	0.27	15595
PT900SL	DN20	22mm	149	75	166	79	0.52	0.746	1.430	0.27	15596
PT900SS	DN20	22mm	149	75	166	79	0.52	1.560	2.820	0.31	15597
PT900SH	DN20	22mm	149	75	166	79	0.52	2.950	5.720	0.27	15598
PT900SS	DN25	28mm	179	75	177	83	0.85	2.950	7.540	0.15	15599
PT900SH	DN25	28mm	179	75	177	83	0.85	6.010	12.100	0.25	15600
PT900SH	DN32	35mm	229	122	237	109	1.78	6.010	13.200	0.21	15601
PT900SH	DN40	42mm	251	122	240	113	2.40	9.200	22.000	0.17	15602
PT900SH	DN50	54mm	280	122	265	120	3.26	17.100	36.000	0.23	15603

PT901S Ballorex Venturi DZR double regulating valve (DRV)

Tectite push-fit ends for copper, carbon and stainless steel tube

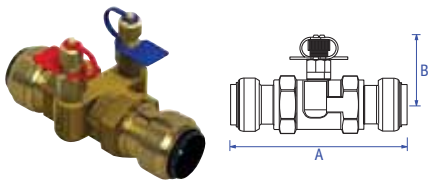


Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	D	Weight kg	Kv m3/h	Order code
PT901SL	DN15	15mm	106	75	126	76	0.30	1.62	15604
PT901SS	DN15	15mm	106	75	126	76	0.30	2.10	15605
PT901SL	DN15	18mm	106	75	126	76	0.30	1.62	15606
PT901SS	DN15	18mm	106	75	126	76	0.30	2.10	15607
PT901SL	DN20	15mm	121	75	128	79	0.40	4.26	15608
PT901SS	DN20	15mm	121	75	128	79	0.40	4.79	15609
PT901SL	DN20	18mm	121	75	128	79	0.40	4.26	15610
PT901SS	DN20	18mm	121	75	128	79	0.40	4.79	15611
PT901SL	DN20	22mm	121	75	128	79	0.40	4.26	15612
PT901SS	DN20	22mm	121	75	128	79	0.40	4.79	15613
PT901SS	DN25	28mm	142	75	140	83	0.65	12.80	15614
PT901SS	DN32	35mm	187	122	195	109	1.52	13.28	15615
PT901SS	DN40	42mm	209	122	198	113	1.98	23.30	15616
PT901SS	DN50	54mm	239	122	198	113	2.69	35.30	15617

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Push-fit valves

DZR push-fit metering stations



PT1250 DZR metering station

Complete with DZR test points, dual seal, XPress ends for copper, carbon and stainless steel tube

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN15/18mm low flow	96	40	0.33	0.41	126136
DN15/18mm standard flow	96	40	0.33	2.15	126137
DN15/15mm low flow	97	40	0.33	0.41	126060
DN15/15mm standard flow	97	40	0.33	2.15	126061
DN20/22mm standard flow	119	42	0.36	4.78	126062
DN25/28mm standard flow	138	46	0.50	8.11	126063
DN32/35mm standard flow	169	52	1.00	15.41	126064
DN40/42mm standard flow	182	52	1.25	22.23	126065
DN50/54mm standard flow	199	57	1.91	48.21	126066

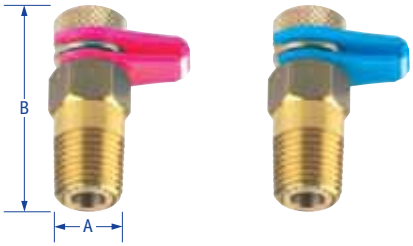
Temperature range: -10°C to +114°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballorex Venturi accessories

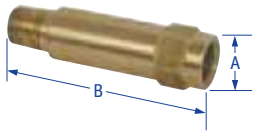
910TP Red and blue Venturi test points
Male taper thread

Size	A	B	Weight kg	Order code
1/4"	14	38	0.03	15201



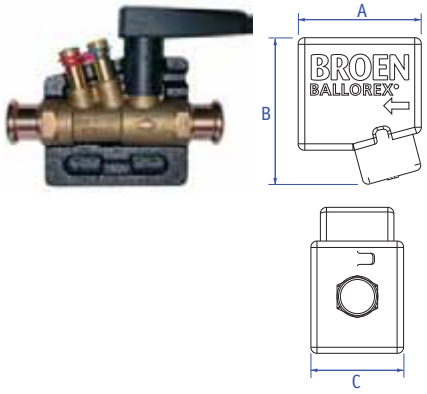
920EX Venturi test point extension kit
Male taper thread

Size	A	B	Weight kg	Order code
1/4" x 50mm	17	65	0.09	15205



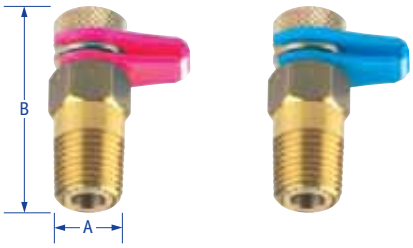
Insulation jackets for Ballorex Venturi valve

Size	A	B	C	Order code
1/2"	92	112	70	15250
3/4"	98	118	75	15251
1"	110	124	80	15252
1 1/4"	128	133	94	15253
1 1/2"	138	140	100	15254
2"	153	152	118	15255



DZR Red and blue self seal test points
Male taper thread

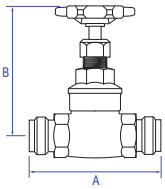
Size	A	B	Weight kg	Order code
1/4" x 36mm	14	36	0.03	126041
1/4" x 75mm	14	75	0.06	126042



Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Push-fit valves

Bronze push-fit gate valves

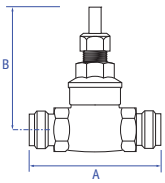


PT1070/125 Bronze full way gate valve

Tectite push-fit ends for copper, carbon and stainless steel tube

Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	101	85	0.39	14.00	103400
DN15	18mm	105	95	0.40	32.00	103401
DN20	22mm	124	110	0.57	57.00	103402
DN25	28mm	140	125	0.87	90.00	103403
DN32	35mm	175	145	1.54	129.00	103404
DN40	42mm	187	170	2.14	230.00	103405
DN50	54mm	214	205	3.17	428.00	103406

Temperature range: 15mm to 28mm -10°C to +114°C
35mm to 54mm -10°C to +90°C

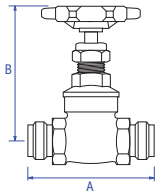


PT1070/125LS Bronze full way gate valve with lockshield

Tectite push-fit ends for copper, carbon and stainless steel tube

Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	101	85	0.39	14.00	103410
DN15	18mm	105	95	0.40	32.00	103411
DN20	22mm	124	110	0.57	57.00	103412
DN25	28mm	140	125	0.87	90.00	103413
DN32	35mm	175	145	1.54	129.00	103414
DN40	42mm	187	170	2.14	230.00	103415
DN50	54mm	214	205	3.17	428.00	103416

Temperature range: 15mm to 28mm -10°C to +114°C
35mm to 54mm -10°C to +90°C



PT1068 Brass full way gate valve

Tectite push-fit ends for copper, carbon and stainless steel tube

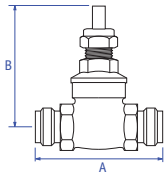
Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	101	85	0.38	14.00	203400
DN15	18mm	105	95	0.39	32.00	203401
DN20	22mm	124	110	0.57	57.00	203402
DN25	28mm	140	125	0.90	90.00	203403
DN32	35mm	175	145	1.58	129.00	203404
DN40	42mm	187	170	2.07	230.00	203405
DN50	54mm	214	205	3.34	428.00	203406

Temperature range: 15mm to 28mm -10°C to +114°C
35mm to 54mm -10°C to +90°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

PT1068LS Brass full way gate valve with lockshield

Tectite push-fit ends for copper, carbon and stainless steel tube



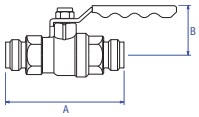
Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	101	85	0.38	14.00	203410
DN15	18mm	105	95	0.39	32.00	203411
DN20	22mm	124	110	0.57	57.00	203412
DN25	28mm	140	125	0.90	90.00	203413
DN32	35mm	175	145	1.58	129.00	203414
DN40	42mm	187	170	2.07	230.00	203415
DN50	54mm	214	205	3.34	428.00	203416

Temperature range: 15mm to 28mm -10°C to +114°C
35mm to 54mm -10°C to +90°C

Brass push-fit ball valves

PT500 Brass chrome plated ball valve with lever – full bore

Tectite push-fit ends for copper, carbon and stainless steel tube

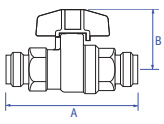


Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	108	39	0.31	17.00	242350
DN15	18mm	115	51	0.31	17.00	242351
DN20	22mm	126	51	0.75	41.00	242352
DN25	28mm	147	55	0.78	70.00	242353
DN32	35mm	194	62	1.46	121.00	242354
DN40	42mm	211	78	2.31	200.00	242355
DN50	54mm	246	84	3.50	292.00	242356

Temperature range: 15mm to 28mm -10°C to +114°C
35mm to 54mm -10°C to +90°C

PT500T Brass chrome plated ball valve with tee – full bore

Tectite push-fit ends for copper, carbon and stainless steel tube



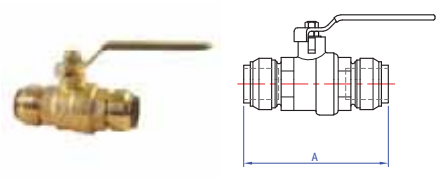
Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	108	40	0.31	17.00	243350
DN15	18mm	115	51	0.31	17.00	243351
DN20	22mm	126	51	0.75	41.00	243352
DN25	28mm	147	55	0.78	70.00	243353

Temperature range: -10°C to +114°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Push-fit valves

Brass quarter turn ball valves

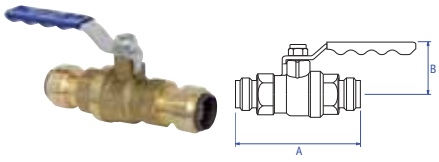


TX490L Brass quarter turn ball valve – full bore
Tectite push-fit ends for copper and carbon steel tube

Size	Connection	A	Weight kg	Kv m3/h	Order code
DN15	15mm	83	0.24	17.00	65962
DN20	22mm	94	0.40	41.00	65964

Temperature range: -10°C to +114°C

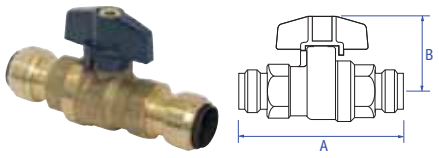
DZR push-fit ball valves



PT550 DZR ball valve with lever – full bore
Tectite push-fit ends for copper, carbon and stainless steel tube

Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	107	39	0.31	17.00	245240
DN15	18mm	115	50	0.75	41.00	245241
DN20	22mm	126	50	0.75	41.00	245242
DN25	28mm	176	55	0.78	70.00	245243
DN32	35mm	194	62	1.46	121.00	245244
DN40	42mm	211	78	2.31	200.00	245245
DN50	54mm	246	84	3.50	292.00	245246

Temperature range: 15mm to 28mm -10°C to +114°C
35mm to 54mm -10°C to +90°C



PT550T DZR ball valve with tee – full bore
Tectite push-fit ends for copper, carbon and stainless steel tube

Size	Connection	A	B	Weight kg	Kv m3/h	Order code
DN15	15mm	107	39	0.31	17.00	245250
DN15	18mm	115	50	0.31	17.00	245251
DN20	22mm	126	50	0.75	41.00	245252
DN25	28mm	176	55	0.78	70.00	245253

Temperature range: -10°C to +114°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ball valve accessories

PBSEK Stem extension kit (suitable for PB500 ranges)

Pattern No.	*Suitable for*	*Order code*
PBSEK7	1/4", 3/8", 1/2", 15mm	227027
PBSEK8	3/4", 1", 1 1/4", 22mm, 28mm, 35mm	227028
PBSEK9	1 1/2", 2", 42mm, 54mm	227029
PBSEK10	2 1/2"	227030
PBSEK11	3", 4"	227031

Locking device (for standard lever handle products)

Pattern No.	*Suitable for*	*Order code*
LD1	1/4", 3/8", 1/2"	258001
LD2	3/4", 1", 1 1/4"	258002
LD3	1 1/2", 2"	258003

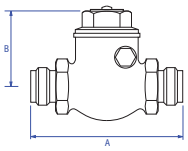
Padlock and key

Pattern No.	*Suitable for*	*Order code*
PDK3	1/4", 3/8", 1/2", 3/4", 1", 1 1/4"	258011
PDK4	1 1/2", 2"	258012

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Push-fit valves

Bronze push-fit check valves

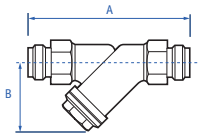


PT1060A Swing check valve
Tectite push-fit ends for copper, carbon and stainless steel tube

Size	Connection	A	B	Weight kg	Flow l/s	Kv m3/h	Order code
DN15	15mm	111	45	0.45	0.04	1.80	122350
					0.10	3.70	
					0.20	5.10	
					0.40	5.70	
DN15	18mm	125	55	0.69	0.04	2.70	122351
					0.10	5.50	
					0.40	13.60	
					1.00	15.30	
DN20	22mm	135	55	0.69	0.04	2.70	122352
					0.10	5.50	
					0.40	13.60	
					1.00	15.30	
DN25	28mm	150	60	1.04	0.01	7.70	122353
					0.20	13.90	
					0.30	18.40	
					1.00	25.30	
DN32	35mm	144	65	1.77	0.20	15.00	122354
					0.30	20.60	
					0.40	25.30	
					1.00	32.60	
DN40	42mm	216	75	2.40	0.40	30.30	122355
					0.60	40.20	
					0.80	48.50	
					3.00	54.40	
DN50	54mm	249	90	3.55	0.60	42.00	122356
					0.80	54.00	
					1.50	86.20	
					4.00	98.00	

Temperature range: 15mm to 28mm -10°C to +114°C
35mm to 54mm -10°C to +90°C

Bronze push-fit strainers



PT913 Bronze Y pattern strainer
Tectite push-fit ends for copper, carbon and stainless steel tube

Size	Connection	A	B	Weight kg	Order code
DN15	15mm	107	44	0.30	15480
DN15	18mm	118	47	0.31	15481
DN20	22mm	128	47	0.43	15482
DN25	28mm	149	58	0.62	15483
DN32	35mm	197	68	1.25	15484
DN40	42mm	220	78	1.90	15485
DN50	54mm	255	98	2.49	15486

Temperature range: 15mm to 28mm -10°C to +114°C
35mm to 54mm -10°C to +90°C

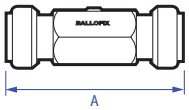
Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballofix DZR isolating ball valves

Ballofix Isolating ball valve - straight pattern

Tectite push-fit ends for copper, carbon and stainless steel tube, CP DZR

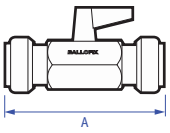
Size	Connection	Pattern No.	A	Weight kg	Order code
DN15	15mm	6381ZA	85	0.14	13073
DN20	22mm	6481ZA	100	0.20	13074



Ballofix Isolating ball valve - straight pattern

Tectite push-fit ends for copper, carbon and stainless steel tube, plastic lever operation

Size	Connection	Pattern No.	A	Weight kg	Order code
DN15	15mm	6381ZP	85	0.15	13081
DN20	22mm	6481ZP	100	0.21	13082



Ballofix accessories

Small plastic handle - with hexagon spigot

	Order code
CPT0059 Black	13712

Large plastic handle - with hexagon spigot

	Order code
CPT0073 Black	13721

Small plastic handle - with screw

	Order code
ERG Black	13724
ERG Red	13728
ERG Blue	13729
ERG Chrome	13732

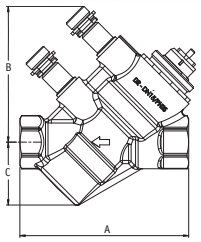
Large plastic handle - with screw

	Order code
ERG Black	13725

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves

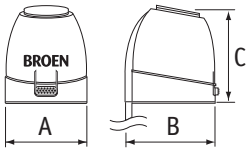
Ballorex Venturi DZR threaded commissioning valves



902S Ballorex Venturi DZR Dynamic valve excluding actuator

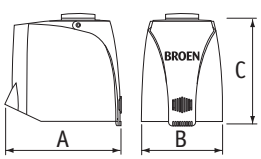
ISO 7/1 Parallel threads

Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	Weight kg	Flow Rate l/s	Order code
902SL	DN15	½" BSP	95	76	35	0.55	0.01 - 0.035	15230
902SS	DN15	½" BSP	95	76	35	0.55	0.03 - 0.15	15231
902SH	DN15	½" BSP	95	76	35	0.55	0.09 - 0.40	15232



BALLOREX DYNAMIC ACTUATOR SPECIFICATION – ACTUATOR ON/OFF

Cat No.	Valve Size	Dimensions in mm A	B	C	Power Supply	Standard Position	Protection	Adaptor	Order Code
AT01	DN15	44	47	54	230v	Normally closed	IP54	M30 x 1.5	15280



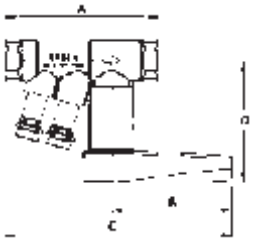
BALLOREX DYNAMIC ACTUATOR SPECIFICATION – ACTUATOR MODULATING

Cat No.	Valve Size	Dimensions in mm A	B	C	Power Supply	Control Voltage Input	Standard Position	Protection	Adaptor	Order Code
AE01	DN15	64	44	55	24v AC	0-10v DC	Normally closed	IP54	M30 x 1.5	15281

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

900S Ballorex Venturi DZR commissioning valve (FODRV)

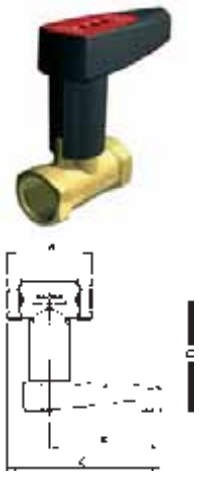
ISO 7/1 Parallel threads, with regulation, isolation and flow measurement functions



		Dimensions in mm				Weight	Kvs	Kv	Loss	Order
Cat No.	Size	A	B	C	D	kg	m3/h	m3/h	Factor	code
900SL	1/2" BSP	94	75	140	76	0.41	0.359	0.629	0.33	15006
900SS	1/2" BSP	94	75	140	76	0.41	0.746	1.620	0.21	15000
900SH	1/2" BSP	94	75	140	76	0.41	1.560	2.490	0.39	16404
900SL	3/4" BSP	100	75	144	79	0.41	0.746	1.430	0.27	15007
900SS	3/4" BSP	100	75	144	79	0.41	1.560	2.820	0.31	15001
900SH	3/4" BSP	100	75	144	79	0.41	2.950	5.720	0.27	16405
900SS	1" BSP	112	75	150	83	0.67	2.950	7.540	0.15	15002
900SH	1" BSP	112	75	150	83	0.67	6.010	12.100	0.25	15181
900SH	1 1/4" BSP	130	122	208	109	1.27	6.010	13.200	0.21	15003
900SH	1 1/2" BSP	140	122	213	113	1.66	9.200	22.000	0.17	15004
900SH	2" BSP	156	122	221	120	2.37	17.100	36.000	0.23	15005

901S Ballorex Venturi DZR double regulating valve (DRV)

ISO 7/1 Parallel threads, with regulation and isolation functions

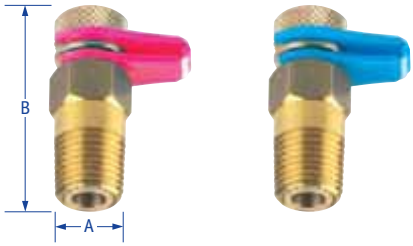


		Dimensions in mm				Weight	Kv	Order
Cat No.	Size	A	B	C	D	kg	m3/h	code
901SL	1/2" BSP	57	75	104	76	0.23	1.62	15042
901SS	1/2" BSP	57	75	104	76	0.23	2.10	15036
901SL	3/4" BSP	62	75	106	79	0.29	4.26	15043
901SS	3/4" BSP	62	75	106	79	0.29	4.79	15037
901SS	1" BSP	75	75	113	83	0.47	12.80	15038
901SS	1 1/4" BSP	88	122	166	109	1.01	13.28	15039
901SS	1 1/2" BSP	98	122	171	113	1.24	23.30	15040
901SS	2" BSP	115	122	180	120	1.80	35.30	15041

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

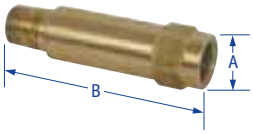
Threaded valves

Ballorex Venturi accessories



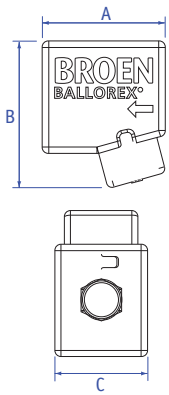
910TP Red and blue Venturi test points
Male taper thread

Size	A	B	Weight kg	Order code
1/4"	14	38	0.03	15201



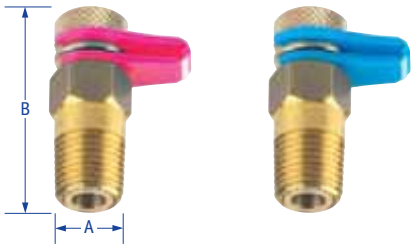
920EX Venturi test point extension kit
Male taper thread

Size	A	B	Weight kg	Order code
1/4" x 50mm	17	65	0.09	15205



Insulation jackets for Ballorex Venturi valve

Size	A	B	C	Order code
1/2"	92	112	70	15250
3/4"	98	118	75	15251
1"	110	124	80	15252
1 1/4"	128	133	94	15253
1 1/2"	138	140	100	15254
2"	153	152	118	15255



DZR Red and blue self seal test points
Male taper connection

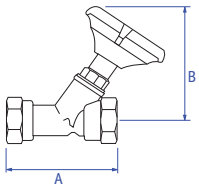
Size	A	B	Weight kg	Order code
1/4" x 36mm	14	36	0.03	126041
1/4" x 75mm	14	75	0.06	126042

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded commissioning valves

1200 DZR Double regulating valve (DRV)

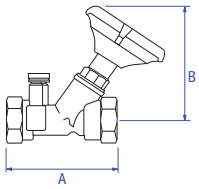
ISO 228 parallel thread, with regulation and isolation functions



Size	A	B	Weight kg	Kv m3/h	Order code
1/2" standard flow	79	106	0.49	2.30	126002
3/4" standard flow	86	106	0.55	2.48	126003
1" standard flow	103	113	0.86	7.15	126004
1 1/4" standard flow	121	120	1.24	15.08	126005
1 1/2" standard flow	127	123	1.62	20.84	126006
2" standard flow	157	138	2.90	28.89	126007

1260 DZR Fixed orifice commissioning valve (FODRV)

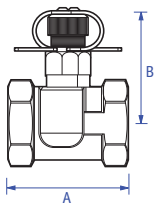
ISO 228 parallel thread, with regulation, isolation and flow measurement functions



Size	A	B	Weight kg	Kv m3/h	Kvs m3/h	Order code
1/2" low flow	79	106	0.54	0.40	0.41	126022
1/2" standard flow	79	106	0.53	1.86	2.15	126023
3/4" standard flow	86	106	0.59	2.27	4.78	126024
1" standard flow	103	113	0.90	6.11	8.11	126025
1 1/4" standard flow	121	120	1.29	12.65	15.41	126026
1 1/2" standard flow	127	123	1.68	19.00	22.23	126027
2" standard flow	157	138	2.97	28.42	48.21	126028

1250 DZR Fixed orifice commissioning station

ISO 228 parallel thread, with regulation and isolation functions

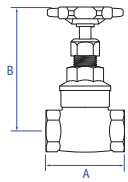


Size	A	B	Weight kg	Kvs m3/h	Order code
1/2" low flow	48	40	0.22	0.41	126090
1/2" standard flow	48	40	0.22	2.15	126091
3/4" standard flow	51	42	0.25	4.78	126092
1" standard flow	63	46	0.39	8.11	126093
1 1/4" standard flow	67	52	0.54	15.41	126094
1 1/2" standard flow	71	52	0.59	22.23	126095
2" standard flow	75	57	0.92	48.21	126096

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves

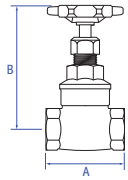
Threaded gate valves



1072 Bronze full way gate valve
BS 5154 PN32 series

Size	A	B	Weight kg	Kv m3/h	Cv – US GPM	Order code
EN 10226 taper thread						
1/2"	64	100	0.47	14.00		101103
3/4"	65	110	0.69	32.00		101104
1"	75	130	1.02	57.00		101105
1 1/4"	90	145	1.57	90.00		101106
1 1/2"	97	165	2.44	129.00		101107
2"	105	200	3.43	230.00		101108
ISO 228 (BS 2779), parallel thread (PT)						
1/2"	64	100	0.47	14.00		101123
3/4"	65	110	0.69	32.00		101124
1"	75	130	1.02	57.00		101125
1 1/4"	90	145	1.57	90.00		101126
1 1/2"	97	165	2.44	129.00		101127
2"	105	200	3.43	230.00		101128
American NPT taper thread (AT)						
1/2"	64	100	0.47	14.00	16.40	101143
3/4"	65	110	0.69	32.00	37.40	101144
1"	75	130	1.02	57.00	66.70	101145
1 1/4"	90	145	1.57	90.00	105.30	101146
1 1/2"	97	165	2.44	129.00	150.90	101147
2"	105	200	3.43	230.00	269.10	101148

Temperature range: -10°C to +180°C



1070/125 Bronze full way gate valve
BS 5154 PN20 series B

Size	A	B	Weight kg	Kv m3/h	Order code
EN 10226 taper thread					
1/2"	52	85	0.32	14.00	103007
3/4"	56	95	0.46	32.00	103008
1"	65	110	0.69	57.00	103009
1 1/4"	73	125	1.03	90.00	103010
1 1/2"	76	145	1.40	129.00	103011
2"	90	170	2.28	230.00	103012
2 1/2"	102	205	3.68	428.00	103013
3"	114	240	5.42	680.00	103014
4"	134	290	10.59	1088.00	103015

Temperature range: -10°C to +180°C

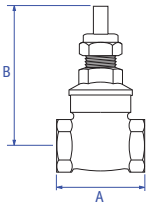
Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

1070/125 Bronze full way gate valve – continued
BS 5154 PN20 series B

Size	A	B	Weight kg	Kv m3/h	Order code
ISO 228 (BS 2779), parallel thread (PT)					
1/2"	52	85	0.32	14.00	103047
3/4"	56	95	0.46	32.00	103048
1"	65	110	0.69	57.00	103049
1 1/4"	73	125	1.03	90.00	103050
1 1/2"	76	145	1.40	129.00	103051
2"	90	170	2.28	230.00	103052
2 1/2"	102	205	3.68	428.00	103053
3"	114	240	5.42	680.00	103054

Temperature range: -10°C to +180°C

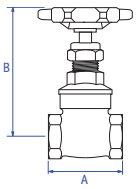
1070/125LS Bronze full way gate valve with lockshield
BS 5154 PN20 series B



Size	A	B	Weight kg	Kv m3/h	Order code
EN 10226 taper thread					
1/2"	52	85	0.32	14.00	103057
3/4"	56	95	0.46	32.00	103058
1"	65	110	0.69	57.00	103059
1 1/4"	73	125	1.03	90.00	103060
1 1/2"	76	145	1.40	129.00	103061
2"	90	170	2.28	230.00	103062

Temperature range: -10°C to +180°C

1078 DZR full way gate valve
BS 5154 PN20 series B

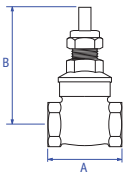


Size	A	B	Weight kg	Kv m3/h	Order code
EN 10226 taper thread					
1/2"	52	85	0.31	14.00	204007
3/4"	56	95	0.46	32.00	204008
1"	65	110	0.72	57.00	204009
1 1/4"	73	125	1.07	90.00	204010
1 1/2"	76	145	1.33	129.00	204011
2"	90	170	2.45	230.00	204012

Temperature range: -10°C to +180°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves



1078LS DZR full way gate valve with lockshield

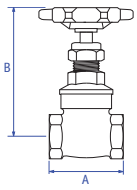
BS 5154 PN20 series B

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
EN 10226 taper thread					
1/2"	52	85	0.32	14.00	204050
3/4"	56	95	0.46	32.00	204051
1"	65	110	0.69	57.00	204052
1 1/4"	73	125	1.03	90.00	204053
1 1/2"	76	145	1.40	129.00	204054
2"	90	170	2.28	230.00	204055

Temperature range: -10°C to +180°C

CERTIFIED TO BRITISH STANDARD

1/2"-2"



1068 Forged brass full way gate valve

BS 5154 PN20 series B

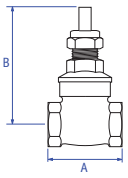
Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Cv – US GPM*	*Order code*
EN 10226 taper thread						
1/2"	52	85	0.32	14.00		203007
3/4"	56	95	0.46	32.00		203008
1"	65	110	0.69	57.00		203009
1 1/4"	73	125	1.03	90.00		203010
1 1/2"	76	145	1.40	129.00		203011
2"	90	170	2.28	230.00		203012
2 1/2"	102	205	3.68	428.00		203013
3"	114	240	5.42	680.00		203014
4"	134	290	10.59	1088.00		203015
ISO 228 (BS 2779), parallel thread (PT)						
1/2"	52	85	0.32	14.00		203047
3/4"	56	95	0.46	32.00		203048
1"	65	110	0.69	57.00		203049
1 1/4"	73	125	1.03	90.00		203050
1 1/2"	76	145	1.40	129.00		203051
2"	90	170	2.28	230.00		203052
2 1/2"	102	205	3.68	428.00		203053
3"	114	240	5.42	680.00		203054
American NPT taper thread (AT)						
1/2"	52	85	0.32	14.00	16.40	203027
3/4"	56	95	0.46	32.00	37.40	203028
1"	65	110	0.69	57.00	66.70	203029
1 1/4"	73	125	1.03	90.00	105.30	203030
1 1/2"	76	145	1.40	129.00	150.90	203031
2"	90	170	2.28	230.00	269.10	203032
2 1/2"	102	205	3.68	428.00	500.80	203033
3"	114	240	5.42	680.00	795.60	203034
4"	134	290	10.59	1088.00	1273.00	203035

Temperature range: -10°C to +180°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

1068LS Forged brass full way gate valve with lockshield

BS 5154 PN20 series B

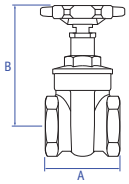


Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
EN 10226 taper thread					
1/2"	52	85	0.32	14.00	203067
3/4"	56	95	0.46	32.00	203068
1"	65	110	0.69	57.00	203069
1 1/4"	73	125	1.03	90.00	203070
1 1/2"	76	145	1.40	129.00	203071
2"	90	170	2.28	230.00	203072

Temperature range: -10°C to +180°C

1065 Forged brass full way gate valve

17.5bar at 93°C



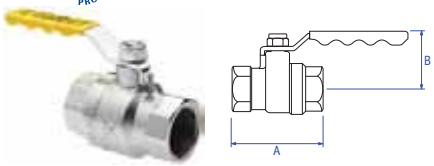
Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Cv – US GPM*	*Order code*
BS 21 taper thread						
1/2"	46	70	0.27	14.00		202007
3/4"	50	80	0.37	32.00		202008
1"	57	95	0.58	57.00		202009
1 1/4"	64	115	0.94	90.00		202010
1 1/2"	68	125	1.19	129.00		202011
2"	81	155	2.09	230.00		202012
American NPT taper thread (AT)						
1/2"	46	70	0.27	14.00	16.40	202042
3/4"	50	80	0.37	32.00	37.40	202043
1"	57	95	0.58	57.00	66.70	202044
1 1/4"	64	115	0.94	90.00	105.30	202045
1 1/2"	68	125	1.19	129.00	150.90	202046
2"	81	155	2.09	230.00	269.10	202047

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves

Threaded quarter turn ball valves

WRAS APPROVED PRODUCT EN 331 1/4"-2"



PB700* Chromium plated brass full bore ball valve (yellow lever handle)

PN40, EN 10226 taper thread

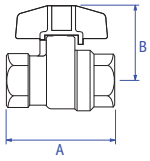
Size	A	B	Weight kg	Kv m3/h	Kv gas	Order code
1/4"	48	35	0.16	5.90	3.80	230001
3/8"	48.5	35	0.16	9.40	4.20	230002
1/2"	59	39	0.24	17.00	11.30	230003
3/4"	67.5	50	0.44	41.00	23.80	230004
1"	79.5	55	0.64	70.00	31.10	230005
1 1/4"	95	62	1.01	121.00	67.20	230006
1 1/2"	100	77.5	1.42	200.00	101.50	230007
2"	122	84	2.38	292.00	148.00	230008
2 1/2"	150	97	4.14	535.00	-	230009
3"	177	122	6.71	850.00	-	230010
4"	214	136	10.98	1360.00	-	230011
ISO 228 (BS 2779) parallel thread (PT)						
1/2"	59	39	0.24	17.00		230043
3/4"	67.5	50	0.44	41.00		230044
1"	79.5	55	0.64	70.00		230045
1 1/4"	95	62	1.01	121.00		230046
1 1/2"	100	77.5	1.42	200.00		230047
2"	122	84	2.38	292.00		230048
2 1/2"	150	97	4.14	535.00		230049
3"	177	122	6.71	850.00		230050
4"	214	136	10.98	1360.00		230051
American NPT taper thread (AT)						
1/4"	48	35	0.16	5.90	6.90	230061
3/8"	48.5	35	0.16	9.40	11.00	230062
1/2"	59	39	0.24	17.00	19.90	230063
3/4"	67.5	50	0.44	41.00	48.00	230064
1"	79.5	55	0.64	70.00	81.90	230065
1 1/4"	95	62	1.01	121.00	141.60	230066
1 1/2"	100	77.5	1.42	200.00	234.00	230067
2"	122	84	2.38	292.00	341.00	230068
2 1/2"	150	97	4.14	535.00	626.00	230069
3"	177	122	6.71	850.00	994.50	230070
4"	214	136	10.98	1360.00	1591.20	230071

Temperature range: -10°C to +186°C Gas application: -20°C to +60°C maximum 5 bar (MOP5)
**Tested to EN 331 Gas families 1,2,3*

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

PB700T* Chromium plated brass full bore ball valve (yellow 'T' handle) PN40

WRAS APPROVED PRODUCT EN 331

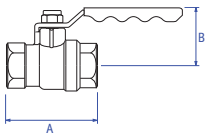


Size	A	B	Weight kg	Kv m3/h	Kv gas	Order code
EN 10226 taper thread						
1/4"	48	36.5	0.14	5.90	3.80	231001
3/8"	48.5	36.5	0.26	9.40	4.20	231002
1/2"	59	40	0.27	17.00	11.30	231003
3/4"	67.5	50.5	0.49	41.00	23.80	231004
1"	79.5	55	0.72	70.00	31.10	231005

Temperature range: -10°C to +186°C Gas application: -20°C to +60°C maximum 5 bar (MOP5)
**Tested to EN 331 Gas families 1,2,3*

PB500 Chromium plated brass full bore ball valve (red lever handle) PN25

WRAS APPROVED PRODUCT

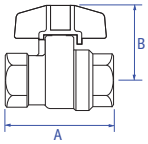


Size	A	B	Weight kg	Kv m3/h	Cv – US GPM	Order code
EN 10226 taper thread						
1/4"	48	35	0.15	5.90		242001
3/8"	48.5	35	0.15	9.40		242002
1/2"	59	39	0.23	17.00		242003
3/4"	67.5	50	0.40	41.00		242004
1"	79.5	55	0.61	70.00		242005
1 1/4"	95	62	0.95	121.00		242006
1 1/2"	100	77.5	1.33	200.00		242007
2"	122	84	2.18	292.00		242008
2 1/2"	150	97	3.75	535.00		242009
3"	177	122	6.20	850.00		242010
4"	214	136	10.45	1360.00		242011
ISO 228 (BS 2779) parallel thread (PT)						
1/2"	59	39	0.23	17.00		242023
3/4"	67.5	50	0.40	41.00		242024
1"	79.5	55	0.61	70.00		242025
1 1/4"	95	62	0.95	121.00		242026
1 1/2"	100	77.5	1.33	200.00		242027
2"	122	84	2.18	292.00		242028
2 1/2"	150	97	3.75	535.00		242029
3"	177	122	6.20	850.00		242030
American NPT taper thread (AT)						
1/2"	59	39	0.23	17.00	19.90	242043
3/4"	67.5	50	0.40	41.00	48.00	242044
1"	79.5	55	0.61	70.00	81.90	242045
1 1/4"	95	62	0.95	121.00	141.60	242046
1 1/2"	100	77.5	1.33	200.00	234.00	242047
2"	122	84	2.18	292.00	341.60	242048
2 1/2"	150	97	3.75	535.00	626.00	242049
3"	177	122	6.20	850.00	994.50	242050
4"	214	136	10.45	1360.00	1591.20	242051

Temperature range: -10°C to +150°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

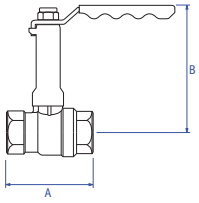
Threaded valves



PB500T Chromium plated brass full bore ball valve (red 'T' handle) PN25

Size	A	B	Weight kg	Kv m3/h	Order code
ISO 228 (BS 2779) parallel thread (PT)					
1/4"	48	36.5	0.15	5.90	243021
3/8"	48.5	36.5	0.15	9.40	243022
1/2"	59	40	0.22	17.00	243023
3/4"	67.5	50.5	0.38	41.00	243024
1"	79.5	55	0.58	70.00	243025

Temperature range: -10°C to +150°C



PB500EL Chromium plated brass full bore ball valve (red extended lever) PN25

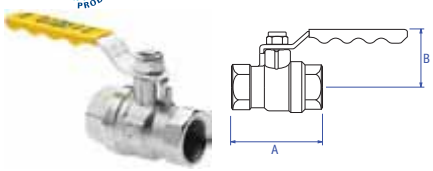
Size	A	B	Weight kg	Kv m3/h	Order code
EN 10226 taper thread					
1/2"	59	78.3	0.30	17.00	245003
3/4"	67.5	97	0.51	41.00	245004
1"	79.5	101	0.70	70.00	245005
1 1/4"	95	108	1.04	121.00	245006
1 1/2"	100	128	1.50	200.00	245007
2"	124	146.2	2.44	292.00	245008

Temperature range: -10°C to +150°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

PB500* Yellow Chromium plated brass full bore ball valve (yellow lever handle) PN25

WRAS APPROVED PRODUCT EN 331 1/4"-2"



Size	A	B	Weight kg	Kv m3/h	Cv – US GPM	Order code
EN 10226 taper thread						
1/4"	48	35	0.15	5.90		242101
3/8"	48.5	35	0.15	9.40		242102
1/2"	59	39	0.23	17.00		242103
3/4"	67.5	50	0.40	41.00		242104
1"	79.5	55	0.61	70.00		242105
1 1/4"	95	62	0.95	121.00		242106
1 1/2"	100	77.5	1.33	200.00		242107
2"	122	84	2.18	292.00		242108
2 1/2"	150	97	3.75	535.00		242109
3"	177	122	6.20	850.00		242110
4"	214	136	10.45	1360.00		242111
American NPT taper thread (AT)						
1/4"	48	35	0.15	5.90	6.90	242121
3/8"	48.5	35	0.15	9.40	11.00	242122
1/2"	59	39	0.23	17.00	19.90	242123
3/4"	67.5	50	0.40	41.00	48.00	242124
1"	79.5	55	0.61	70.00	81.90	242125
1 1/4"	95	62	0.95	121.00	141.60	242126
1 1/2"	100	77.5	1.33	200.00	234.00	242127
2"	122	84	2.18	292.00	314.60	242128

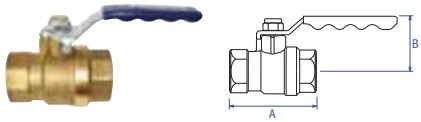
Temperature range: -10°C to +150°C Gas application: -20°C to +60°C maximum 5 bar (MOP5)
**Tested to EN 331 Gas families 1,2,3*

DZR threaded ball valves

PB550DR Full bore DZR lever ball valve

Blue lever handle, female ends, PN25, EN 10226 taper thread

WRAS APPROVED PRODUCT

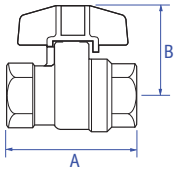


Size	A	B	Weight kg	Kv m3/h	Order code
1/2"	59	39	0.23	17.00	245201
3/4"	68	51	0.41	41.00	245202
1"	80	56	0.61	70.00	245203
1 1/4"	95	63	0.94	121.00	245204
1 1/2"	100	78	1.33	200.00	245205
2"	124	86	2.21	292.00	245206

Temperature range: -10°C to +150°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves

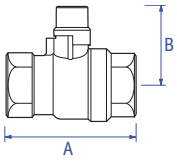


PB550DR T DZR Brass full bore ball valve

Blue tee handle, female ends, PN25, EN 10226 taper thread

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
1/2"	59	39	0.22	17.00	245211
3/4"	67	51	0.38	41.00	245212
1"	80	56	0.58	70.00	245213

Temperature range: -10°C to +150°C

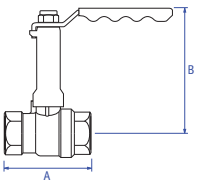


PB550DR LS DZR Brass full bore ball valve with lockshield

PN25, EN 10226 taper thread

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
1/2"	59	45	0.21	17.00	245260
3/4"	68	53	0.37	41.00	245261
1"	80	58	0.57	70.00	245262
1 1/4"	95	65	1.15	212.00	245263
1 1/2"	100	81	1.21	200.00	245264
2"	124	89	2.79	292.00	245265

Temperature range: -10°C to +150°C

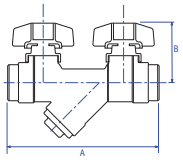


PB550DR EL DZR Brass full bore ball valve with lever handle

PN25, EN 10226 taper thread

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
1/2"	59	78.3	0.30	17.00	245283
3/4"	68	97	0.51	41.00	245284
1"	80	101	0.70	70.00	245285
1 1/4"	95	108	1.04	212.00	245286
1 1/2"	100	128	1.50	200.00	245287
2"	124	146.2	2.44	292.00	245288

Temperature range: -10°C to +150°C



PB560 DZR combi ball valve and strainer with tee handle

Threaded ends to EN 10226, PN20

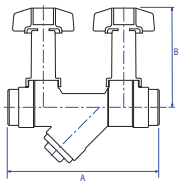
Size	*A*	*B*	*Weight kg*	*Order code*
3/4" blue tee	143	52	0.86	245500
3/4" red tee	143	52	0.86	245501

Temperature range: -10°C to +150°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

PB560EXT DZR combi ball valve and strainer with extended tee handle

Threaded ends to EN 10226, PN20

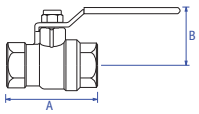


Size	A	B	Weight kg	Order code
3/4" blue tee	143	99	0.95	245502
3/4" red tee	143	99	0.95	245503

Temperature range: -10°C to +150°C

PB100* Chromium plated brass full bore ball valve (Red lever handle)

PN25 to 2", PN16 2½", 3" and 4"



Size	A	B	Weight kg	Kv m3/h	Cv – US GPM	Order code
EN 10226 taper thread						
1/2"	50	46	0.18	17.00		270001
3/4"	58	50	0.25	41.00		270002
1"	69	52	0.38	70.00		270003
1 1/4"	81	70	0.62	121.00		270004
1 1/2"	88.5	76	0.84	200.00		270005
2"	110	83	1.45	292.00		270006
2 1/2"	136	109	3.00	535.00		270007
3"	163	119	4.50	850.00		270008
4"	192	155	7.50	1360.00		270009
ISO 228 (BS 2779) parallel thread (PT)						
1/2"	50	46	0.18	17.00		270021
3/4"	58	50	0.25	41.00		270022
1"	69	52	0.38	70.00		270023
1 1/4"	81	70	0.62	121.00		270024
1 1/2"	88.5	76	0.84	200.00		270025
2"	110	83	1.45	292.00		270026
American NPT taper thread (AT)						
1/2"	50	46	0.18	17.00	19.90	270041
3/4"	58	50	0.25	41.00	48.00	270042
1"	69	52	0.38	70.00	81.90	270043
1 1/4"	81	70	0.62	121.00	141.60	270044
1 1/2"	88.5	76	0.84	200.00	234.00	270045
2"	110	83	1.45	292.00	341.60	270046
2 1/2"	136	109	3.00	535.00	626.00	270047
3"	163	119	4.50	850.00	994.50	270048
4"	192	155	7.50	1360.00	1591.20	270049

Temperature range: -10°C to +150°C

**PBSEK, LD and PDK are not suitable for use with PB100 ball valves.*

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves

Ball valve accessories

PBSEK Stem extension kit (suitable for PB700, PB500 and PB300 ranges)

Pattern No.	*Suitable for*	*Order code*
PBSEK7	1/4", 3/8", 1/2", 15mm	227027
PBSEK8	3/4", 1", 1 1/4", 22mm, 28mm, 35mm	227028
PBSEK9	1 1/2", 2", 42mm, 54mm	227029
PBSEK10	2 1/2"	227030
PBSEK11	3", 4"	227031

Locking device (for standard lever handle products suitable for PB700, PB500 and PB300 ranges)

Pattern No.	*Suitable for*	*Order code*
LD1	1/4", 3/8", 1/2"	258001
LD2	3/4", 1", 1 1/4"	258002
LD3	1 1/2", 2"	258003

Padlock and key (suitable for PB700, PB500 and PB300 ranges)

Pattern No.	*Suitable for*	*Order code*
PDK3	1/4", 3/8", 1/2", 3/4", 1", 1 1/4"	258011
PDK4	1 1/2", 2"	258012

Lockshield key (suitable for PB350/550 DR LS)

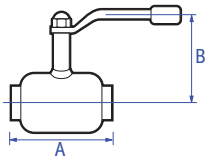
Pattern No.	*Suitable for*	*Weight kg*	*Order code*
PB LS cross key	1/2" - 1 1/4" 15mm - 35mm	0.11	227040
PB LS cross key	1 1/2" - 2" 42mm - 54mm	0.38	227041

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballomax steel ball valves

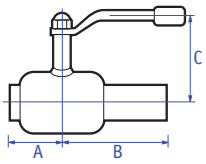
PB1000 Ballomax steel ball valve
BSP parallel female ends, standard PN40, lever operated

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
1/2" x 1/2" **61100015**	65	116	0.60	6.00	13951
3/4" x 3/4" **64100020**	75	115	0.70	20.00	13952
1" x 1" **64100025**	90	120	0.90	26.00	13953
1 1/4" x 1 1/4" **64100032**	105	124	1.20	43.00	13954
1 1/2" x 1 1/2" **64100040**	120	129	1.90	64.00	13955
2" x 2" **64100050**	145	135	2.90	100.00	13956



PB1001 Ballomax steel ball valve
BSP parallel female thread x weld, standard PN40, lever operated

Size	*A*	*B*	*C*	*Weight kg*	*Kv m3/h*	*Order code*
1/2" x 1/2" **61101015**	33	105	116	0.70	6.00	13957
3/4" x 3/4" **64101020**	38	115	115	0.80	20.00	13962
1" x 1" **64101025**	45	115	120	0.90	26.00	13958
1 1/4" x 1 1/4" **64101032**	53	139	124	1.30	43.00	13959
1 1/2" x 1 1/2" **64101040**	60	130	129	2.00	64.00	13960
2" x 2" **64101050**	73	150	135	2.90	100.00	13961



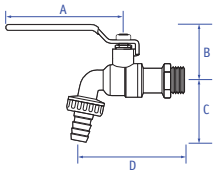
Ballomax accessories

Hot tapping tool kit with case
Standard PN25

Size	*Order code*
DN15-50mm **68500015**	14007
DN65-100mm **68500100**	14008

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

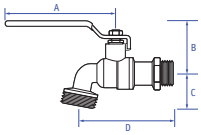
Threaded valves



PB50HU Chrome plated hose union ball type bibtap

Red lever

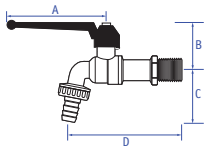
Size	A	B	C	D	Weight kg	Kv m3/h	Order code
1/2"	93	45	45	89	0.26	9.40	262001
3/4"	93	45	50	94	0.32	17.00	262002



PB50 Chrome plated ball type bibtap with 3/4" American thread on nose

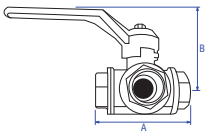
Red lever

Size	A	B	C	D	Weight kg	Cv	Order code
1/2"	93	45	45	86	0.22	9.40	262003



PB52HU Chrome plated brass hose union ball type bib tap

Size	A	B	C	D	Weight kg	Kv m3/h	Order code
1/2"	88	45	45	105	0.28	9.40	262021
3/4"	88	45	50	105	0.36	17.00	262022



1111BV Brass three way vent valve

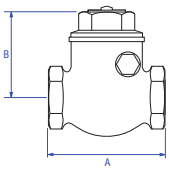
T port, ISO 228 parallel threads, PN25, nickel plated

Size	A	B	Weight kg	Kv m3/h	Order code
1"	104	76	0.63	70.00	245100
1 1/4"	119	82	1.10	121.00	245101
1 1/2"	139	97	2.08	200.00	245102
2"	166	120	3.13	292.00	245103

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded check valves

1060A Bronze swing type check valve
BS 5154 PN25 series B, metal disk

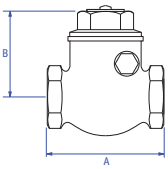


Size	*A*	*B*	*Weight kg*	*Flow l/s*	*Kv m3/h*	*Cv – US GPM*	*Order code*
EN 10226 taper thread							
1/2"	62	45	0.38	0.04	1.80		122007
				0.10	3.70		
				0.20	5.10		
				0.40	5.70		
3/4"	76	55	0.58	0.04	2.70		122008
				0.10	5.50		
				0.40	13.60		
				1.00	15.30		
1"	83	60	0.86	0.01	7.70		122009
				0.20	13.90		
				0.30	18.40		
				1.00	25.30		
1 1/4"	94	65	1.26	0.20	15.00		122010
				0.30	20.60		
				0.40	25.30		
				1.00	32.60		
1 1/2"	105	75	1.66	0.40	30.30		122011
				0.60	40.20		
				0.80	48.50		
				3.00	54.40		
2"	125	90	2.66	0.60	42.00		122012
				0.80	54.00		
				1.50	86.20		
				4.00	98.00		
2 1/2"	148	110	4.80	1.50	97.60		122013
				3.00	135.30		
				4.00	156.00		
3"	175	125	6.79	2.00	144.60		122014
				3.00	168.40		
				5.00	229.00		
4"	222	130	13.07	-	-		122015
ISO 228 (BS 2779) parallel thread (PT)							
1/2"	62	45	0.38	0.04	1.80		122047
				0.10	3.70		
				0.20	5.10		
				0.40	5.70		
3/4"	76	55	0.58	0.04	2.70		122048
				0.10	5.50		
				0.40	13.60		
				1.00	15.30		
1"	83	60	0.86	0.01	7.70		122049
				0.20	13.90		
				0.30	18.40		
				1.00	25.30		

Temperature range: -10°C to +186°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves



1060A Bronze swing type check valve – continued

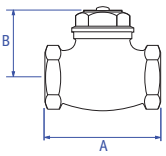
BS 5154 PN25 series B, metal disk

Size	*A*	*B*	*Weight kg*	*Flow l/s*	*Kv m3/h*	*Cv*	*Order code*
ISO 228 (BS 2779) parallel thread (PT)							
1¼"	94	65	1.26	0.20	15.00		122050
				0.30	20.60		
				0.40	25.30		
				1.00	32.60		
1½"	105	75	1.66	0.40	30.30		122051
				0.60	40.20		
				0.80	48.50		
				3.00	54.40		
2"	125	90	2.66	0.60	42.00		122052
				0.80	54.00		
				1.50	86.20		
				4.00	98.00		
American NPT taper thread (AT)							
½"	62	45	0.38	0.04	1.80	2.10	122027
				0.10	3.70	4.30	
				0.20	5.10	5.90	
				0.40	5.70	6.50	
¾"	76	55	0.58	0.04	2.70	3.10	122028
				0.10	5.50	6.30	
				0.40	13.60	15.60	
				1.00	15.30	17.60	
1"	83	60	0.86	0.01	7.70	8.80	122029
				0.20	13.90	16.00	
				0.30	18.40	21.10	
1¼"	94	65	1.26	0.20	15.00	17.2	122030
				0.30	20.60	23.7	
				0.40	25.30	29.1	
				1.00	32.60	37.5	
1½"	105	75	1.66	0.40	30.30	34.80	122031
				0.60	40.20	46.20	
				0.80	48.50	55.70	
				3.00	54.40	62.50	
2"	125	90	2.66	0.60	42.00	48.30	122032
				0.80	54.00	62.00	
				1.50	86.20	99.00	
				4.00	98.00	112.60	
2½"	148	110	4.80	1.50	97.60		122033
				3.00	135.30		
				4.00	156.00		
3"	175	125	6.79	2.00	144.60		122034
				3.00	168.40		
				5.00	229.00		

Temperature range: -10°C to +186°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

1039 Horizontal lift type check valve
BS 5154 PN32 series B metal disk

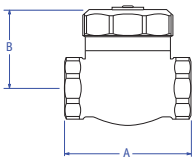


Size	*A*	*B*	*Weight kg*	*Flow l/s*	*Kv m3/h*	*Order code*
EN 10226 taper thread						
1/2"	57	30	0.28	0.025	0.80	119007
				0.050	1.50	
				0.100	1.90	
				0.200	2.60	
3/4"	65	40	0.44	0.075	2.40	119008
				0.100	2.90	
				0.150	3.40	
				0.200	3.50	
1"	78	45	0.68	0.050	1.90	119009
				0.100	3.60	
				0.200	6.30	
				0.400	8.50	
1 1/4"	89	55	1.14	0.060	2.20	119010
				0.080	2.90	
				0.200	6.80	
				0.600	13.90	
1 1/2"	100	60	1.46	0.100	3.90	119011
				0.300	10.70	
				0.500	16.80	
				0.700	21.40	
2"	121	65	2.24	0.200	6.90	119012
				0.400	13.40	
				0.800	25.40	
				1.400	39.70	
ISO 228 (BS 2779) parallel thread (PT)						
1/2"	57	30		0.025	0.80	119047
				0.050	1.50	
				0.100	1.90	
				0.200	2.60	
3/4"	65	40		0.075	2.40	119048
				0.100	2.90	
				0.150	3.40	
				0.200	3.50	
1"	78	45		0.050	1.90	119049
				0.100	3.60	
				0.200	6.30	
				0.400	8.50	

Temperature range: -10°C to +198°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves

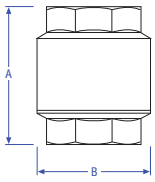


1062 Forged brass swing type check valve

BS 5154 PN25 Series B, metal disk, EN 10226 taper thread

Size	*A*	*B*	*Weight kg*	*Flow l/s*	*Kv m3/h*	*Order code*
1/2"	58	34	0.27	0.04	1.80	124007
				0.10	3.70	
				0.20	5.10	
				0.40	5.70	
3/4"	72	40	0.48	0.04	2.70	124008
				0.10	5.50	
				0.40	13.60	
				1.00	15.30	
1"	83	51	0.72	0.01	7.70	124009
				0.20	13.90	
				0.30	18.40	
				1.00	25.30	

Temperature range: -10°C to +186°C



1063 Forged brass spring check valve

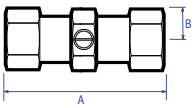
3/8" to 1" 12bar, 1 1/4" to 2" 10bar, 2 1/2" to 4" 8bar

Size	*A*	*B*	*Weight kg*	*Order code*
ISO 228 (BS 2779) parallel thread (PT)				
1/2"	49.5	34	0.12	124121
3/4"	57.5	41.5	0.23	124122
1"	61.5	47	0.25	124123
1 1/4"	66	58.5	0.39	124124
1 1/2"	76	69	0.58	124125
2"	87	84.5	0.85	124126
2 1/2"	100	103	1.38	124127
3"	110	112	1.97	124128
4"	114	145	2.83	124129

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

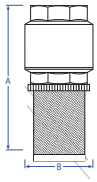
Prestex K4426 Double check valve
ISO 228 parallel female ends

WRAS APPROVED PRODUCT



Size	A	B	Weight kg	Order code
1/2"	70.5	15	0.15	42071
3/4"	87	18	0.23	42072
1"	106	22	0.38	42073
1 1/4"	121	27	0.60	42074
1 1/2"	134	30	0.82	42075
2"	174	38	1.52	42076

1064 Forged brass foot valve
3/8" to 1" 12bar, 1 1/4" to 2" 10bar, 2 1/2" to 4" 8bar

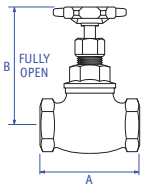


Size	A	B	Weight kg	Order code
ISO 228 (BS 2779) parallel thread (PT)				
1/2"	83	34	0.13	124271
3/4"	96	41.5	0.20	124272
1"	107	47	0.27	124273
1 1/4"	120	58.5	0.40	124274
1 1/2"	136	69	0.57	124275
2"	159	84	0.81	124276
2 1/2"	181	103	1.50	124277
3"	201	112	1.89	124278
4"	217	145	3.04	124279
American NPT taper thread (AT)				
1/2"	83	34	0.13	124291
3/4"	96	41.5	0.20	124292
1"	107	47	0.27	124293
1 1/4"	120	58.5	0.40	124294
1 1/2"	136	69	0.57	124295
2"	159	84	0.81	124296

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves

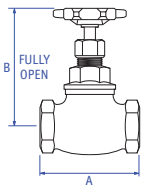
Threaded globe valves



1029 Bronze globe valve
BS 5154 PN32 series B/NM, non metallic renewable disk

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Cv*	*Order code*
EN 10226 taper thread						
1/4"	48	76	0.20	0.70		110005
3/8"	46	76	0.22	1.10		110006
1/2"	57	95	0.38	2.00		110007
3/4"	65	98	0.54	5.00		110008
1"	78	114	0.84	10.00		110009
1 1/4"	89	138	1.36	16.00		110010
1 1/2"	100	159	1.76	23.00		110011
2"	121	170	2.62	42.00		110012
ISO 228 (BS 2779), parallel thread (PT)						
1/2"	57	95	0.38	2.00		110047
3/4"	65	98	0.54	5.00		110048
1"	78	114	0.84	10.00		110049
1 1/4"	89	138	1.36	16.00		110050
1 1/2"	100	159	1.76	23.00		110051
2"	121	170	2.62	42.00		110052
American NPT taper thread (AT)						
1/2"	57	95	0.38	2.00	2.30	110027
3/4"	65	98	0.54	5.00	5.90	110028
1"	78	114	0.84	10.00	11.70	110029
1 1/4"	89	138	1.36	16.00	18.70	110030
1 1/2"	100	159	1.76	23.00	26.90	110031
2"	121	170	2.62	42.00	49.10	110032

Temperature range: -10°C to +198°C



1031 Bronze globe valve
BS 5154 PN32 series B, metal disk

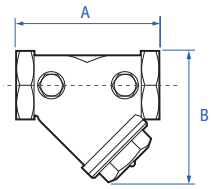
Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
EN 10226 taper thread					
1/2"	57	95	0.39	2.30	112007
3/4"	65	98	0.55	5.90	112008
1"	78	114	0.87	11.70	112009
1 1/4"	89	138	1.45	18.70	112010
1 1/2"	100	159	1.83	26.90	112011
2"	121	170	2.61	49.10	112012

Temperature range: -10°C to +198°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Bronze threaded strainers

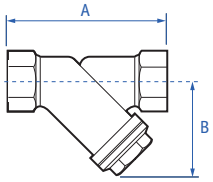
V954 Bronze strainer
Female x female, EN 10226 Taper thread, PN32



Size	*A*	*B*	*Weight kg*	*Order code*
1/2"	70	58	0.36	15490
3/4"	80	75	0.54	15491
1"	100	88	0.85	15492
1 1/4"	120	108	1.34	15493
1 1/2"	130	124	1.67	15494
2"	160	161	3.13	15495

Temperature range: -10°C to +198°C

V913 Bronze strainer, Y pattern
Female x female, EN 10226 Taper thread, PN16 Series B



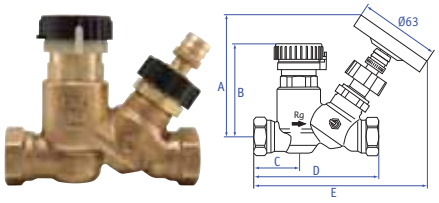
Size	*A*	*B*	*Weight kg*	*Order code*
1/2"	58	44	0.23	15348
3/4"	69	47	0.32	15349
1"	82	58	0.45	15350
1 1/4"	98	68	0.74	15351
1 1/2"	109	78	0.92	15352
2"	131	98	1.06	15353

Temperature range: -10°C to +120°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves

Circulation valves



P603 Bronze circulation valve
ISO 228-G parallel thread, female x female

Size	A	B	C	D	E	Weight kg	Order code
1/2" DN15 fxf 30°-50°C	57	75	35.5	98	136	0.64	16500
3/4" DN20 fxf 30°-50°C	57	75	45	125	147	0.82	16501

P605 Bronze circulation valve
ISO 228-G parallel thread, female x female

Size	A	B	C	D	E	Weight kg	Order code
1/2" DN15 fxf 50°-60°C	57	75	35.5	98	136	0.63	16502
3/4" DN20 fxf 50°-60°C	57	75	45	125	147	0.82	16503
1" DN25 fxf 50°-60°C	57	75	51.5	136	150	0.96	16504

P604 Bronze circulation valve
ISO 228-G parallel thread, male x male

Size	A	B	C	D	E	Weight kg	Order code
1/2" DN15 mxm 30°-50°C	57	75	35.5	98	136	0.62	16505
3/4" DN20 mxm 30°-50°C	57	75	34	103	136	0.71	16506

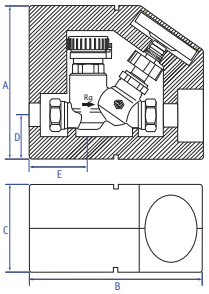
P606 Bronze circulation valve
ISO 228-G parallel thread, male x male

Size	A	B	C	D	E	Weight kg	Order code
1/2" DN15 mxm 50°-60°C	57	75	35.5	98	136	0.63	16507
3/4" DN20 mxm 50°-60°C	57	75	51.5	103	136	0.73	16508
1" DN25 mxm 50°-60°C	57	75	40	113	138.5	0.78	16509

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Circulation valve accessories

Insulation jacket



Description	A	B	C	D	E	Order code
For circulation valve DN15	143	162	82	41	54	16515
For circulation valve DN20	143	162	90	41	54	16516
For circulation valve DN25	157	162	110	55	54	16517

Bimetallic thermometer for Circulation valves

Order code
16518

Stop and drain unit for Circulation valves

Order code
16519

PCV1 Circulation valve regulation cartridge

Size	Order code
DN15	16510
DN20	16511

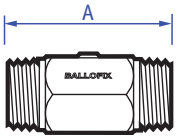
PCV2 Circulation valve regulation cartridge

Size	Order code
DN15	16512
DN20	16513
DN25	16514

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

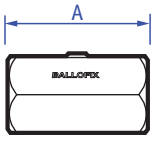
Threaded valves

Ballofix DZR threaded isolating ball valves



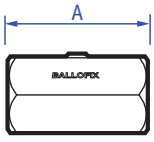
Ballofix isolating ball valve – threaded
Male x male, chrome plated, screw driver operation

Size	A	Weight kg	Order code
1/2" **3390ZA**	45	0.10	13356



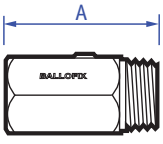
Ballofix isolating ball valve – threaded
Female x female, screw driver operation

Size	A	Weight kg	Order code
1/4" **3205YA**	45	0.09	13158
1/2" **3350YA**	47	0.11	13532
3/4" **3450YA**	65	0.23	13559
1" **3550YA**	62	0.42	13573



Ballofix isolating ball valve – threaded
Female x female, screw driver operation

Size	A	Weight kg	Order code
1/4" x 1/4" **3205ZA**	45	0.08	13161
3/8" x 3/8" **3250ZA**	46	0.07	13189
1/2" x 1/2" **3350ZA**	47	0.11	13535
3/4" x 3/4" **3450ZA**	65	0.23	13560



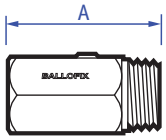
Ballofix isolating ball valve – threaded
Male x female, screw driver operation

Size	A	Weight kg	Order code
1/4" x 1/4" **3200YA**	44	0.07	13148
3/8" x 3/8" **3210YA**	45	0.06	13166
1/2" x 1/2" **3310YA**	44	0.10	13538
3/4" x 3/4" **3410YA**	63	0.20	13374
1" x 1" **3510YA**	61	0.36	13445

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

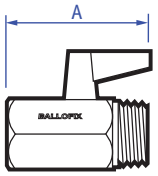
Ballofix isolating ball valve – threaded
Male x female, chrome plated, screw driver operation

Size	A	Weight kg	Order code
1/4" x 1/4" **3200ZA**	44	0.07	13151
1/2" x 1/2" **3310ZA**	44	0.26	13539
3/4" x 3/4" **3410ZA**	63	0.19	13377
1" x 1" **3510ZA**	61	0.36	13448

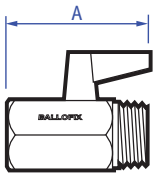
Ballofix isolating ball valve – threaded
Male x female, plastic lever operation

Size	A	Weight kg	Order code
1/2" x 1/2" **3310YP**	44	0.10	13226

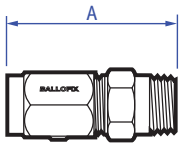
Ballofix isolating ball valve – threaded
Male x female, chrome plated, plastic lever operation

Size	A	Weight kg	Order code
1/2" x 1/2" **3310ZP**	44	0.10	13228

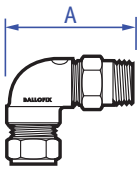
Ballofix radiator valve – straight pattern
BSP parallel female thread x male iron union, screw driver operation

Size	A	Weight kg	Order code
3/4" **5060BA**	82	0.37	13367

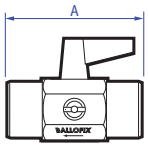
Ballofix radiator valve – angle pattern
Compression x male iron union, screw driver operation

Size	A	Weight kg	Order code
15mm x 1/2" **5045CA**	59	0.28	13242

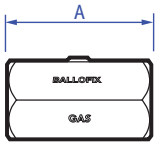
Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves



Ballofix filter valve
BSP parallel female ends, plastic lever operation

Size	A	Weight kg	Order code
1/2" **33624ZP**	45	0.12	14814



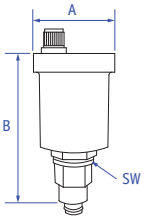
Ballofix gas valve
BSP taper female ends, screw driver operation

Size	A	Weight kg	Order code
1/2" **33504BGA**	56	0.14	13282

Ballofix draincock
Screw driver operation

Size	A	Weight kg	Order code
1/2" **5095CA** Chrome Plated	26	0.08	13176
1/2" **5095BA** Nickel	26	0.08	13175

Automatic air vent



Prestex 775 Brass automatic air vent
10bar at 120°C

Size	A	B	SW	Weight kg	Order code
1/2"	47	106	26	0.12	538009

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballofix accessories

Small plastic handle - with hexagon spigot

	Order code
CPT0059 Black	13712

Large plastic handle - with hexagon spigot

	Order code
CPT0073 Black	13721

Small plastic handle - with screw

	Order code
ERG Black	13724
ERG Red	13728
ERG Blue	13729
ERG Chrome	13732

Large plastic handle - with screw

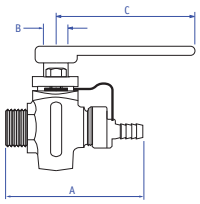
	Order code
ERG Black	13725

Draincocks

1832 Bronze gland cock

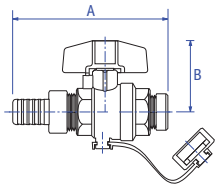
Male x hose union, 10bar 120°C, ISO 228 (BS 2779), parallel thread (PT). Supplied complete with malleable iron lever

Size	*A*	*B*	*C*	*Weight kg*	*Kv m3/h*	*Order code*
1/2"	93	10.3	86	0.44	17.00	130007
3/4"	117	13.5	95	0.76	41.00	130008
1"	145	15.9	121	1.32	70.00	130009



Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Threaded valves

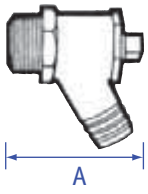


PB60HU DZR ball type drain valve

PN16, male x hose union, 10bar 120°C

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
1/2"	95	45	0.25	17.00	254230
3/4"	110	55	0.44	41.00	254231
1"	130	59	0.63	70.00	254232

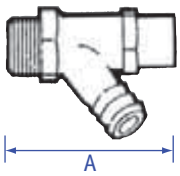
Bronze threaded draincocks



Prestex 833GM Gunmetal draincock

Type A to BS 2879/2. Male taper thread to BS 21

Size	*A*	*Weight kg*	*Order code*
1/2"	55	0.13	542027
3/4"	73	0.26	542028
1"	79	0.60	542029



Prestex 833GMLS Gunmetal lockshield draincock

Type A to BS 2879/2. Male taper thread to BS 21

Size	*A*	*Weight kg*	*Order code*
1/2"	59	0.13	542037
3/4"	75	0.26	542038
1"	83	0.60	542039

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballorex Venturi compression commissioning valves

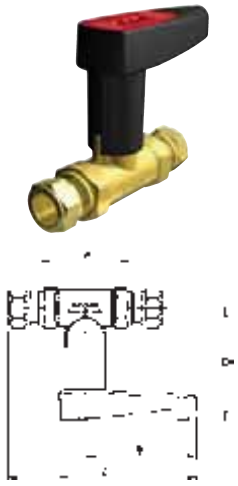
900SC Ballorex Venturi DZR commissioning station (FODRV)

Compression ends to EN 1254/2 for copper. With regulation, isolation and flow measurement functions

Cat No.	Valve Size	Connection Size	Dimensions in mm A	B	C	D	Weight kg	Kvs m3/h	Kv m3/h	Loss Factor	Order code
900SCL	DN15	15mm	99	75	164	76	0.54	0.359	0.629	0.33	15015
900SCS	DN15	15mm	99	75	164	76	0.54	0.746	1.620	0.21	15009
900SCH	DN15	15mm	99	75	164	76	0.54	1.560	2.490	0.39	16406
900SCL	DN20	22mm	105	75	170	79	0.72	0.746	1.430	0.27	15016
900SCS	DN20	22mm	105	75	170	79	0.72	1.56	5.720	0.27	15010
900SCH	DN20	22mm	105	75	170	79	0.72	2.95	2.820	0.31	16407
900SCS	DN25	28mm	118	75	177	83	1.00	2.95	12.100	0.25	15011
900SCH	DN25	28mm	118	75	177	83	1.00	6.01	7.540	0.15	15183
900SCH	DN32	35mm	135	122	241	109	1.81	6.010	13.200	0.21	15012
900SCH	DN40	42mm	149	122	253	113	2.51	9.200	22.000	0.17	15013
900SCH	DN50	54mm	167	122	265	120	3.82	17.100	36.000	0.23	15014

901SC Ballorex Venturi DZR double regulating valve (DRV)

Compression ends to EN 1254/2 for copper. With regulation and isolation functions

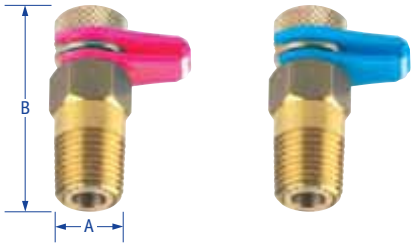


Cat No.	Size	Dimensions in mm A	B	C	D	Weight kg	Kv m3/h	Order code
901SCL	15mm	62	75	128	76	0.37	1.62	15050
901SCS	15mm	62	75	128	76	0.37	2.10	15044
901SCL	22mm	67	75	132	79	0.51	4.26	15051
901SCS	22mm	67	75	132	79	0.51	4.79	15045
901SCS	28mm	81	75	140	83	0.80	12.80	15046
901SCS	35mm	93	122	199	109	1.55	13.28	15047
901SCS	42mm	107	122	211	113	2.12	23.30	15048
901SCS	54mm	126	122	224	120	3.25	35.30	15049

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

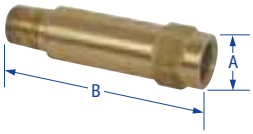
Compression valves

Ballorex Venturi accessories



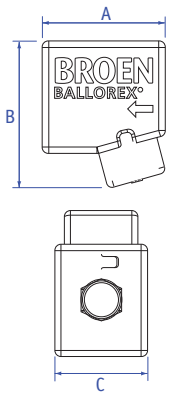
910TP Red and blue Venturi test points
Male taper thread

Size	A	B	Weight kg	Order code
1/4"	14	38	0.03	15201



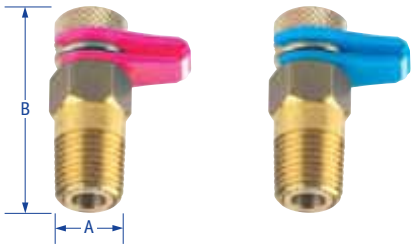
920EX Venturi test point extension kit
Male taper thread

Size	A	B	Weight kg	Order code
1/4" x 50mm	17	65	0.09	15205



Insulation jackets for Ballorex Venturi valve

Size	A	B	C	Order code
1/2"	92	112	70	15250
3/4"	98	118	75	15251
1"	110	124	80	15252
1 1/4"	128	133	94	15253
1 1/2"	138	140	100	15254
2"	153	152	118	15255



DZR Red and blue self seal test points
Male taper connection

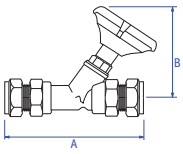
Size	A	B	Weight kg	Order code
1/4" x 36mm	14	36	0.03	126041
1/4" x 75mm	14	75	0.06	126042

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Compression commissioning valves

1200C DZR double regulating valve (DRV)

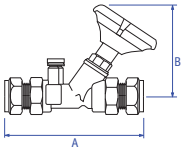
Compression ends to EN 1254/2. With regulation and isolation functions



Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
15mm standard flow	133	106	0.53	2.30	126016
22mm standard flow	148	106	0.59	2.48	126017
28mm standard flow	171	113	0.90	7.15	126018
35mm standard flow	217	120	1.29	15.08	126019
42mm standard flow	235	123	1.68	20.84	126020
54mm standard flow	267	138	2.97	28.89	126021

1260C Fixed orifice commissioning set (FODRV)

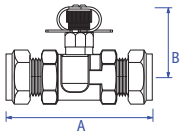
DZR body, bonnet, disc and stem. Compression ends to EN 1254/2. With regulation, isolation and flow measurement functions



Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Kvs m3/h*	*Order code*
15mm low flow	133	106	0.50	0.40	0.41	126036
15mm standard flow	133	106	0.49	1.86	2.15	126037
22mm standard flow	148	106	0.55	2.27	4.78	126038
28mm standard flow	171	113	0.86	6.11	8.11	126044
35mm standard flow	217	120	1.24	12.65	15.41	126045
42mm standard flow	235	123	1.62	19.00	22.23	126046
54mm standard flow	267	138	2.90	28.42	48.21	126047

1250C DZR metering station

DZR body, bonnet, disc and stem. Compression ends to EN 1254/2. With flow measurement function

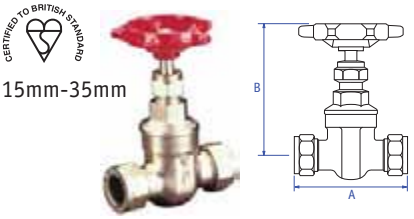


Size	*A*	*B*	*Weight kg*	*Kvs m3/h*	*Order code*
15mm low flow	102	65	0.35	0.41	126080
15mm standard flow	102	65	0.35	2.15	126081
22mm standard flow	113	68	0.50	4.78	126082
28mm standard flow	131	78	0.71	8.11	126083
35mm standard flow	163	83	1.06	15.41	126084
42mm standard flow	179	89	1.45	22.23	126085
54mm standard flow	185	103	2.43	48.21	126086

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Compression valves

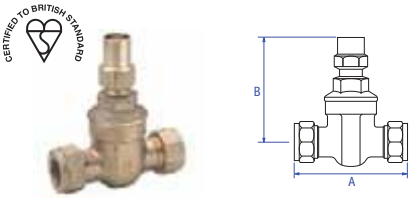
Compression gate valves



Prestex 63 Brass full bore gate valve
Compression ends to EN 1254/2, PN16

Size	A	B	Weight kg	Kv m3/h	Order code
15mm	72	83	0.31	14.00	506007
22mm	81	93	0.47	32.00	506008
28mm	90	111	0.65	57.00	506009
35mm	107	124	1.26	90.00	507010
42mm	113	146	1.60	129.00	507011
54mm	129	174	2.70	230.00	507012

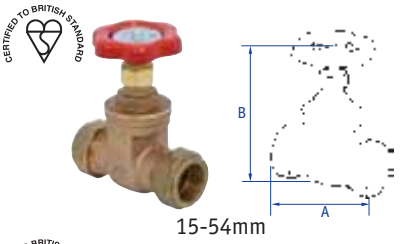
Temperature range: -10ºC to +120ºC



Prestex 63LS Brass full bore gate valve with lockshield
Compression ends to EN 1254/2, PN16

Size	A	B	Weight kg	Kv m3/h	Order code
15mm	72	83	0.31	14.00	506037
22mm	81	93	0.47	32.00	506038
28mm	90	111	0.65	57.00	506039

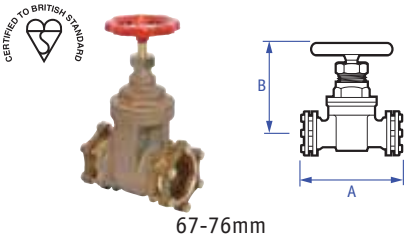
Temperature range: -10ºC to +120ºC

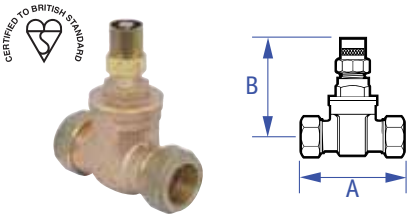


K416GM Gunmetal full bore gate valve
Compression ends to EN 1254/2, PN16

Size	A	B	Weight kg	Kv m3/h	Order code
15mm	70	69	0.31	14.00	55985
22mm	80	80	0.42	32.00	55986
28mm	90	100	0.61	57.00	55987
35mm	90	113	1.02	90.00	55988
42mm	112	125	1.40	129.00	55989
54mm	134	150	2.43	230.00	55990
67mm	160	218	5.10	428.00	55997
76mm	183	248	5.98	680.00	55998

Temperature range: -10ºC to +110ºC





K416GMLS Gunmetal full bore gate valve with lockshield
Compression ends to EN 1254/2, PN16

Size	A	B	Weight kg	Kv m3/h	Order code
15mm	70	65	0.18	14.00	55991
22mm	80	75	0.37	32.00	55992
28mm	90	93	0.68	57.00	55993
35mm	90	110	1.14	90.00	55994
42mm	112	127	1.20	129.00	55995
54mm	134	147	2.61	230.00	55996

Temperature range: -10ºC to +110ºC

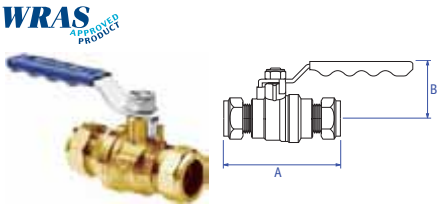
Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Compression ball valves

PB350 DZR lever ball valve
DZR body. Compression ends to EN 1254/2, PN16. Blue lever handle

Size	A	B	Weight kg	Kv m3/h	Order code
15mm	78	39	0.28	17.00	254201
22mm	88	51	0.45	41.00	254202
28mm	96	56	0.68	70.00	254203
35mm	119	63	1.11	121.00	254204
42mm	133	78	1.61	200.00	254205
54mm	162	86	2.66	292.00	254206

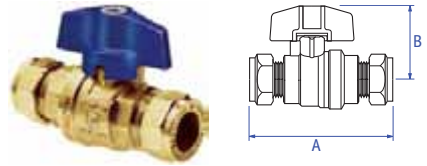
Temperature range: -10°C to +120°C



PB350T DZR tee ball valve
DZR body. Compression ends to EN 1254/2, PN16. Blue tee handle

Size	A	B	Weight kg	Kv m3/h	Order code
15mm	78	39	0.26	17.00	254211
22mm	88	51	0.42	41.00	254212
28mm	96	56	0.65	70.00	254213

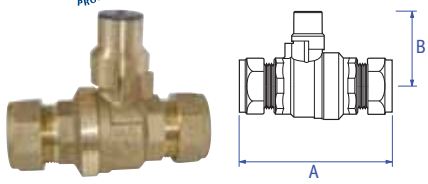
Temperature range: -10°C to +120°C



PB350LS DZR ball valve with lockshield
DZR body. Compression ends to EN 1254/2, PN16

Size	A	B	Weight kg	Kv m3/h	Order code
15mm	78	45	0.25	17.00	254220
22mm	88	54	0.41	41.00	254221
28mm	96	58	0.65	70.00	254222
35mm	119	65	1.06	121.00	254223
42mm	133	81	1.47	200.00	254224
54mm	162	89	3.06	292.00	254225

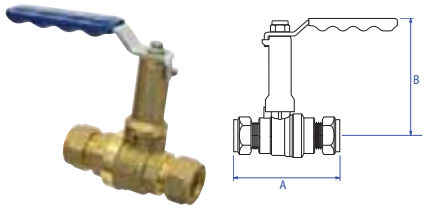
Temperature range: -10°C to +120°C



PB350EL DZR ball valve with extended lever
DZR body. Compression ends to EN 1254/2, PN16

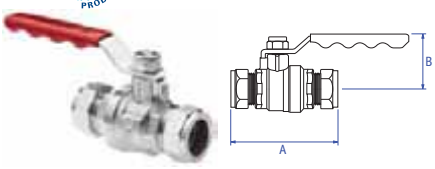
Size	A	B	Weight kg	Kv m3/h	Order code
15mm	78	78	0.35	17.00	254243
22mm	88	97	0.54	41.00	254244
28mm	96	101	0.78	70.00	254245
35mm	119	108	1.20	121.00	254246
42mm	133	128	1.77	200.00	254247
54mm	162	146	2.90	292.00	254248

Temperature range: -10°C to +120°C



Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Compression valves

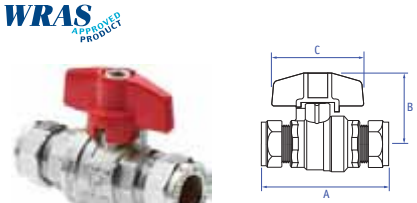


Prestex PB300 Chromium plated brass full bore ball valve (red lever handle) PN16

DZR body. Compression ends to EN 1254/2, PN16

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
15mm	77.5	39	0.28	17.00	254001
22mm	88	50	0.48	41.00	254002
28mm	96	55	0.73	70.00	254003
35mm	119	62	1.32	121.00	254004
42mm	132.5	77.5	1.92	200.00	254005
54mm	161.5	84	3.24	292.00	254006

Temperature range: -10°C to +120°C



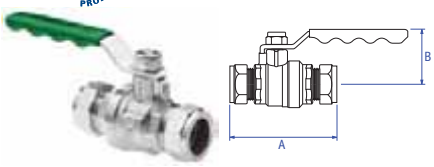
Prestex PB300T Chromium plated brass full bore ball valve (red 'T' handle) PN16

DZR body. Compression ends to EN 1254/2, PN16

Size	*A*	*B*	*C*	*Weight kg*	*Kv m3/h*	*Order code*
15mm	77.5	40	48.5	0.30	17.00	255001
22mm	88	50.5	60	0.52	41.00	255002
28mm	96	55	60	0.77	70.00	255003

Temperature range: -10°C to +120°C

EN331



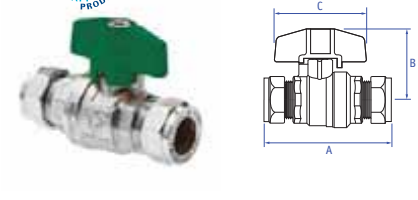
Prestex PB300 Chromium plated brass full bore ball valve (green lever handle)

Compression ends to EN 1254/2, PN16

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
15mm	77.5	39	0.28	17.00	45001
22mm	88	50	0.48	41.00	45002
28mm	96	55	0.73	70.00	45003

Temperature range: -10°C to +120°C

EN331



Prestex PB300T Chromium plated brass full bore ball valve (green 'T' handle)

Compression ends to EN 1254/2, PN16

Size	*A*	*B*	*C*	*Weight kg*	*Kv m3/h*	*Order code*
15mm	77.5	40	48.5	0.30	17.00	45013
22mm	88	50.5	60	0.52	41.00	45014

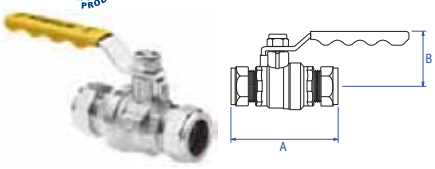
Temperature range: -10°C to +120°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Prestex PB300* Chromium plated brass full bore ball valve (yellow lever handle)

Compression ends to EN 1254/2, PN16

WRAS APPROVED PRODUCT EN331



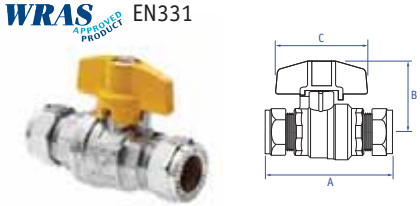
Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
15mm	77.5	39	0.28	17.00	254011
22mm	88	50	0.48	41.00	254012
28mm	96	55	0.73	70.00	254013

Temperature range: -10°C to +120°C Gas application: -20°C to +60°C maximum 5 bar (MOP5)
**Tested to EN 331 Gas families 1,2,3*

Prestex PB300T* Chromium plated brass full bore ball valve (yellow 'T' handle)

Compression ends to EN 1254/2, PN16

WRAS APPROVED PRODUCT EN331



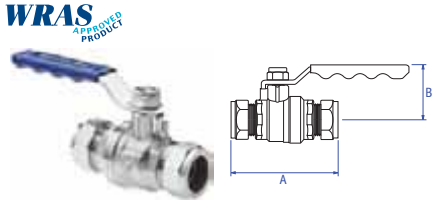
Size	*A*	*B*	*C*	*Weight kg*	*Kv m3/h*	*Order code*
15mm	77.5	40	48.5	0.30	17.00	255021
22mm	88	50.5	60	0.52	41.00	255022
28mm	96	55	60	0.77	70.00	255023

Temperature range: -10°C to +120°C Gas application: -20°C to +60°C maximum 5 bar (MOP5)
**Tested to EN 331 Gas families 1,2,3*

Prestex PB300 Chromium plated brass full bore ball valve (blue lever handle)

Compression ends to EN 1254/2, PN16

WRAS APPROVED PRODUCT



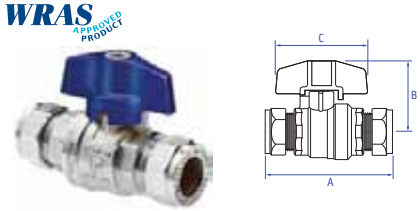
Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
15mm	77.5	39	0.28	17.00	254021
22mm	88	50	0.48	41.00	254022
28mm	96	55	0.73	70.00	254023
35mm	119	62	1.32	121.00	254024
42mm	132.5	77.5	1.92	200.00	254025
54mm	161.5	84	3.24	292.00	254026

Temperature range: -10°C to +120°C

Prestex PB300T Chromium plated brass full bore ball valve (blue 'T' handle)

Compression ends to EN 1254/2, PN16

WRAS APPROVED PRODUCT



Size	*A*	*B*	*C*	*Weight kg*	*Kv m3/h*	*Order code*
15mm	77.5	40	48.5	0.38	17.00	255011
22mm	88	50.5	60	0.52	41.00	255012
28mm	96	55	60	0.77	70.00	255013

Temperature range: -10°C to +120°C

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Compression valves

Ball valve accessories

PBSEK Stem extension kit (suitable for PB700, PB500 and PB300 ranges)

Pattern No.	*Suitable for*	*Order code*
PBSEK7	1/4", 3/8", 1/2", 15mm	227027
PBSEK8	3/4", 1", 1 1/4", 22mm, 28mm, 35mm	227028
PBSEK9	1 1/2", 2", 42mm, 54mm	227029
PBSEK10	2 1/2"	227030
PBSEK11	3", 4"	227031

Locking device (for standard lever handle products, suitable for PB700, PB500 and PB300 ranges)

Pattern No.	*Suitable for*	*Order code*
LD1	1/4", 3/8", 1/2"	258001
LD2	3/4", 1", 1 1/4"	258002
LD3	1 1/2", 2"	258003

Padlock and key (suitable for PB700, PB500 and PB300 ranges)

Pattern No.	*Suitable for*	*Order code*
PDK3	1/4", 3/8", 1/2", 3/4", 1", 1 1/4"	258011
PDK4	1 1/2", 2"	258012

Lockshield key (suitable for PB350/550 DR LS)

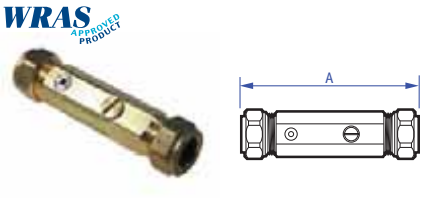
Pattern No.	*Suitable for*	*Weight kg*	*Order code*
PB LS cross key	1/2" - 1 1/4" 15mm - 35mm	0.11	227040
PB LS cross key	1 1/2" - 2" 42mm - 54mm	0.38	227041

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Compression check valves

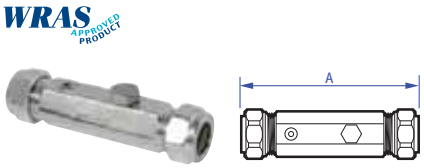
Ballofix double check valve
Compression ends

Size	A	Weight kg	Order code
15mm **0015YA**	100	0.20	13521



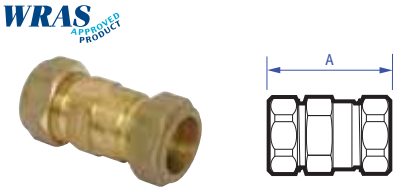
Ballofix double check valve
Compression ends

Size	A	Weight kg	Order code
15mm **0015ZA**	100	0.20	13522



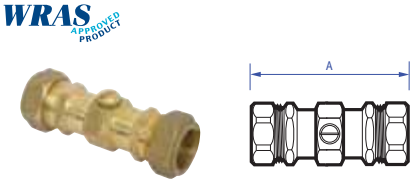
Prestex K424 DZR single check valve
Compression ends, copper x copper, BS 6282

Size	A	Weight kg	Order code
15mm	57	0.11	42062
22mm	69	0.24	42063



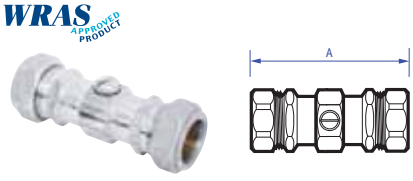
Prestex K4424 DZR double check valve
Compression ends, copper x copper, BS 6282

Size	A	Weight kg	Order code
15mm	58	0.18	42068
22mm	65	0.23	42069
28mm	67	0.49	42070



Prestex K4424CP DZR chrome plated double check valve
Compression ends, copper x copper, BS 6282

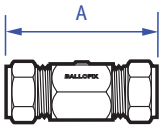
Size	A	Weight kg	Order code
15mm	58	0.18	42090



Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Compression valves

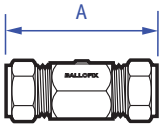
Ballofix compression isolating ball valves



Ballofix isolating ball valve – straight pattern

Compression ends. Screwdriver operation. DZR brass, plain finish

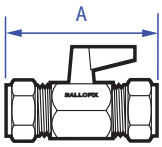
Size	A	Weight kg	Order code
15mm **3381YA**	41	0.14	13540
22mm **3481YA**	57	0.22	13563
28mm **3581YA**	65	0.54	13575



Ballofix isolating ball valve – straight pattern

Compression ends. Screwdriver operation. DZR brass, commercial chrome finish

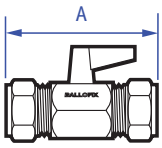
Size	A	Weight kg	Order code
15mm **3381ZA**	41	0.14	13543
22mm **3481ZA**	57	0.22	13564
28mm **3581ZA**	65	0.54	13576



Ballofix isolating ball valve – straight pattern

Compression ends. Plastic lever operation. DZR brass, plain finish

Size	A	Weight kg	Order code
15mm **3381YP**	41	0.17	13541



Ballofix isolating ball valve – straight pattern

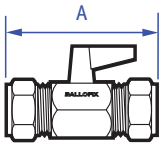
Compression ends. Plastic CP lever operation. DZR brass, commercial chrome finish

Size	A	Weight kg	Order code
15mm **3381ZM**	41	0.17	13545

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

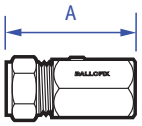
Ballofix isolating ball valve – straight pattern
Compression ends. Black plastic lever operation

Size	A	Weight kg	Order code
15mm **3381ZP**	41	0.15	13544



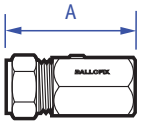
Ballofix isolating ball valve – straight pattern
Compression x BSP parallel female thread. Screwdriver operation. DZR, plain finish

Size	A	Weight kg	Order code
15mm **3331YA**	51	0.12	13530
22mm **3431YA**	53	0.25	13384



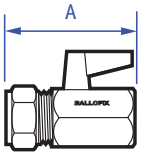
Ballofix isolating ball valve – straight pattern
Compression x BSP parallel female thread. Screwdriver operation. DZR, commercial chrome finish

Size	A	Weight kg	Order code
15mm **3331ZA**	51	0.10	13531



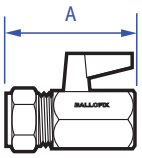
Ballofix isolating ball valve – straight pattern
Compression x BSP parallel female thread. Plastic lever operation. DZR, plain finish

Size	A	Weight kg	Order code
15mm **3331YP**	51	0.13	13233



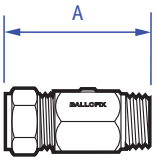
Ballofix isolating ball valve – straight pattern
Compression x BSP parallel female thread. Plastic lever operation. DZR, commercial chrome finish

Size	A	Weight kg	Order code
15mm **3331ZP**	51	0.13	13236



Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Compression valves



Ballofix isolating ball valve – straight pattern

Compression x BSP parallel male thread. Screwdriver operation. DZR, plain finish

Size	*A*	*Weight kg*	*Order code*
15mm **3375YA**	40	0.13	13311

Ballofix isolating ball valve – angle pattern

Compression ends. Screwdriver operation

Size	*A*	*Weight kg*	*Order code*
15mm **3380YA**	20	0.12	13321

Ballofix isolating ball valve – angle pattern

Compression ends. Screwdriver operation

Size	*A*	*Weight kg*	*Order code*
15mm **3380ZA**	23	0.12	13324

Ballofix isolating ball valve – angle pattern

Compression ends. Plastic lever operation

Size	*A*	*Weight kg*	*Order code*
15mm **3380YP**	20	0.13	13323

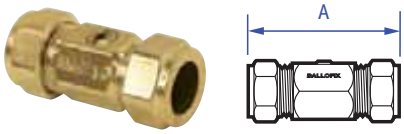
Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballofix isolating ball valve – angle pattern
Compression ends. Plastic lever operation

Size	A	Weight kg	Order code
15mm **3380ZP**	20	0.13	13326

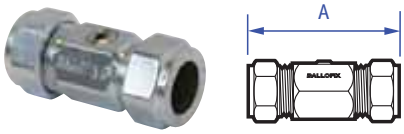
Ballofix minibore isolating ball valve – straight pattern
Compression ends. Screwdriver operation

Size	A	Weight kg	Order code
15mm **1581YA**	41	0.11	13108



Ballofix minibore isolating ball valve – straight pattern
Compression ends. Screwdriver operation

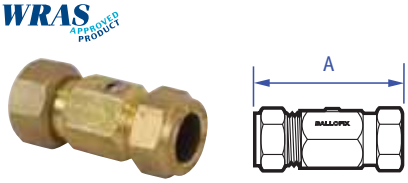
Size	A	Weight kg	Order code
15mm **1581ZA**	41	0.11	13111



Ballofix compression service valves

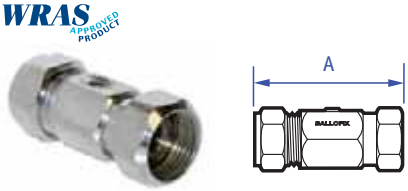
Ballofix service valve – straight swivel pattern
Compression x BSP union nut. Screwdriver operation

Size	A	Weight kg	Order code
15mm x 1/2" **3140YA**	41	0.12	13658



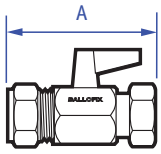
Ballofix service valve – straight swivel pattern
Compression x BSP union nut. Screwdriver operation

Size	A	Weight kg	Order code
15mm x 1/2" **3140ZA**	41	0.12	13133



Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

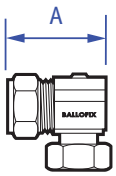
Compression valves



Ballofix service valve – straight swivel pattern

Compression x BSP union nut. Plastic lever operation

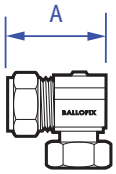
Size	*A*	*Weight kg*	*Order code*
15mm x ½" **3140ZP**	41	0.13	13135



Ballofix service valve – angle swivel pattern

Compression x BSP union nut. Screwdriver operation

Size	*A*	*Weight kg*	*Order code*
15mm **3160YA**	22	0.14	13523

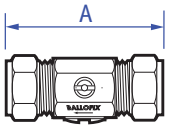


Ballofix service valve – angle swivel pattern

Compression x BSP union nut. Screwdriver operation

Size	*A*	*Weight kg*	*Order code*
15mm **3160ZA**	22	0.14	13143

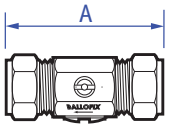
Ballofix compression filter valves



Ballofix filter valve

Compression ends. Screwdriver operation. Removable filter

Size	*A*	*Weight kg*	*Order code*
15mm **33615ZA**	45	0.16	13304



Ballofix filter valve

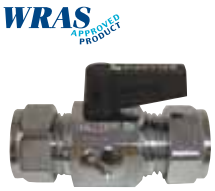
Compression ends. Screwdriver operation. Removable filter

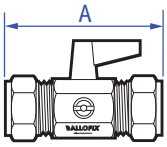
Size	*A*	*Weight kg*	*Order code*
22mm **34622ZA**	50	0.27	13416

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballofix filter valve
Compression ends. Plastic lever operation

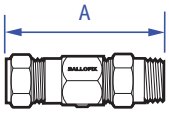
Size	*A*	*Weight kg*	*Order code*
15mm **33615ZP**	45	0.16	13305





Ballofix radiator valve - straight pattern
Compression x male iron union. Screwdriver operation

Size	*A*	*Weight kg*	*Order code*
15mm x ½" **5035CA**	69	0.24	13248



Ballofix accessories

Small plastic handle - with hexagon spigot

	Order code
CPT0059 Black	13712

Large plastic handle - with hexagon spigot

	Order code
CPT0073 Black	13721

Small plastic handle - with screw

	Order code
ERG Black	13724
ERG Red	13728
ERG Blue	13729
ERG Chrome	13732

Large plastic handle - with screw

	Order code
ERG Black	13725

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Compression valves

Flow regulator insert
To maintain a defined flow rate

Size	Flow rate	Colour	Order code
15mm	4 l/m	Pink	13779
15mm	6 l/m	Grey	13780
15mm	8 l/m	White	13781
15mm	9/10 l/m	Yellow	13782
15mm	12 l/m	Brown	13783
22mm	12 l/m	Orange	13784
22mm	18 l/m	Brown	13785

Compression nuts

Compression nut
Brass, plain finish

Size	Order code
15mm **CPT0021**	14853
22mm **CPT0023**	13686

Compression nut
Brass, commercial chrome finish

Size	Order code
15mm **CPT0022**	13685
22mm **CPT0024**	14854

Compression ring
Brass, plain finish

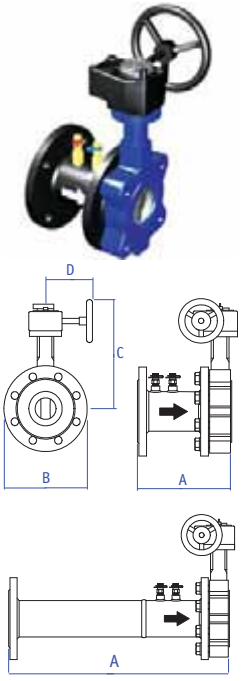
Size	Order code
15mm **CPT0044**	13698
22mm **CPT0045**	13699

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballorex Venturi flanged commissioning valves

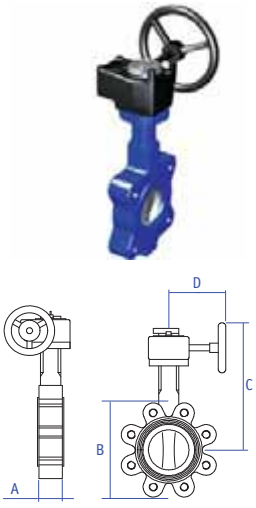
900XS Ballorex Venturi steel commissioning station (FODRV)
With regulation, isolation and flow measurement functions

Cat No.	Valve Size	Dimensions in mm A	B	C	D	No. of Holes	Weight kg	Kvs m3/h	Kv m3/h	Loss Factor	Order code
Standard pattern											
900XSS	DN65	182	185	285	100	4	13.30	37.40	78.20	0.23	15028
900XSS	DN80	249	200	295	100	8	16.20	72.90	169.00	0.19	15029
900XSS	DN100	325	220	310	160	8	23.00	129.00	360.00	0.13	15030
900XSS	DN125	341	250	325	160	8	30.00	190.00	502.00	0.14	15031
900XSS	DN150	354	285	340	160	8	36.00	348.00	1010.00	0.12	15032
900XSS	DN200	378	340	430	200	12	55.00	586.00	1910.00	0.09	15033
900XSS	DN250	411	405	465	200	12	78.00	861.00	2540.00	0.11	15034
900XSS	DN300	465	460	535	250	12	105.00	1513.00	4850.00	0.10	15035
Extended pattern											
900XSL	DN65	455	185	285	100	4	16.80	37.40	78.20	0.23	15023
900XSL	DN80	570	200	295	100	8	22.00	72.90	169.00	0.19	15024
900XSL	DN100	735	220	310	160	8	34.00	129.00	360.00	0.13	15025
900XSL	DN125	865	250	325	160	8	47.00	190.00	502.00	0.14	15026
900XSL	DN150	1010	285	340	160	8	63.00	348.00	1010.00	0.12	15027



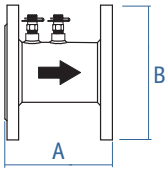
901XS Ballorex Venturi steel double regulating valve (DRV)
With regulation and isolation functions

Cat No.	Valve Size	Dimensions in mm A	B	C	D	No. of Holes	Weight kg	Kv m3/h	Order code
901XS	DN65	45	185	285	100	4	6.10	148.00	15056
901XS	DN80	46	200	295	100	8	6.30	237.00	15057
901XS	DN100	52	220	310	160	8	10.60	603.00	15058
901XS	DN125	55	250	325	160	8	12.60	888.00	15059
901XS	DN150	56	285	340	160	8	14.10	2341.00	15060
901XS	DN200	60	340	430	200	12	23.20	2845.00	15061
901XS	DN250	68	405	465	200	12	33.70	4549.00	15062
901XS	DN300	78	460	535	250	12	48.70	7761.00	15063



Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

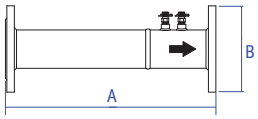
Flanged valves



900RM Venturi metering station DN65–DN300 (short pattern)

With flow measurement function

Cat No.	Size	Dimensions in mm A	B	Weight kg	Kvs m3/h	Kv m3/h	Loss Factor	Order code
900RMS	DN65	137	185	7.20	37.40	78.20	0.23	15843
900RMS	DN80	203	200	9.90	72.90	169.00	0.19	15844
900RMS	DN100	273	220	12.40	129.00	360.00	0.13	15845
900RMS	DN125	286	250	17.40	190.00	502.00	0.14	15846
900RMS	DN150	298	285	21.90	348.00	1010.00	0.12	15847
900RMS	DN200	318	340	31.80	586.00	1910.00	0.09	15848
900RMS	DN250	343	405	44.30	861.00	2540.00	0.11	15849
900RMS	DN300	387	460	56.30	1513.00	4850.00	0.10	15850

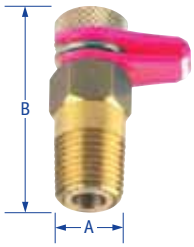


900RM Venturi metering station DN65–DN150 (long pattern)

With flow measurement function

Cat No.	Size	Dimensions in mm A	B	Weight kg	Kvs m3/h	Kv m3/h	Loss Factor	Order code
900RML	DN65	410	185	10.70	37.40	78.20	0.23	15851
900RML	DN80	524	200	15.70	72.90	169.00	0.19	15852
900RML	DN100	683	220	23.40	129.00	360.00	0.13	15853
900RML	DN125	810	250	34.40	190.00	502.00	0.14	15854
900RML	DN150	956	285	48.90	348.00	1010.00	0.12	15855

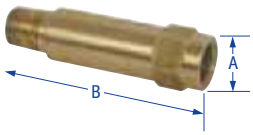
Ballorex Venturi accessories



910TP Red and blue Venturi test points

Male taper thread

Size	A	B	Weight kg	Order code
1/4"	14	38	0.03	15201



920EX Venturi test point extension kit

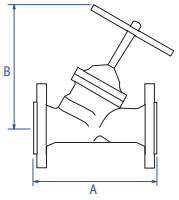
Male taper thread

Size	A	B	Weight kg	Order code
1/4" x 50mm	17	65	0.09	15205

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

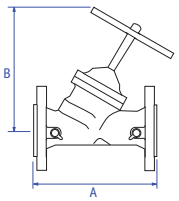
Cast iron flanged commissioning valves

V952 Cast iron double regulating valve
With regulating and isolating functions



Size	*A*	*B*	*Weight kg*	*Order code*
DN50	230	260	12.00	15530
DN65	290	293	18.00	15531
DN80	310	305	23.00	15532
DN100	350	323	33.50	15533
DN125	400	353	49.00	15534
DN150	480	388	62.00	15535
DN200	600	453	96.00	15536

V952V VODRV Cast iron variable orifice double regulating valve
With regulating, isolating and measurement functions



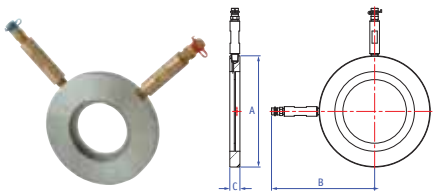
Size	*A*	*B*	*Weight kg*	*Order code*
DN50	230	260	12.00	15503
DN65	290	293	18.00	15504
DN80	310	305	23.00	15505
DN100	350	323	33.50	15506
DN125	400	353	49.00	15507
DN150	480	388	62.00	15508
DN200	600	453	96.00	15509

V952/V952V Kv values
m3/h@1kg/cm2 Pressure drop

Size	*1*	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*
DN50	7.10	16.80	24.70	30.20	34.10	37.40	40.90	42.10	-	-	-	-	-	-
DN65	12.10	19.70	28.00	39.40	51.70	64.70	74.00	80.90	-	-	-	-	-	-
DN80	20.60	28.70	39.60	53.50	71.50	86.60	97.40	108.40	-	-	-	-	-	-
DN100	25.70	55.00	78.90	112.30	145.20	170.90	192.50	210.30	-	-	-	-	-	-
DN125	42.80	60.00	77.60	99.80	129.50	155.50	172.00	196.20	213.20	233.60	256.20	278.00	298.20	310.40
DN150	45.50	77.90	94.30	110.90	133.50	163.80	201.40	233.90	261.90	293.00	326.50	361.30	414.30	414.30
DN200	64.40	134.00	171.80	219.80	286.00	329.30	389.80	441.30	483.90	542.10	595.60	650.60	711.30	753.80

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Flanged valves

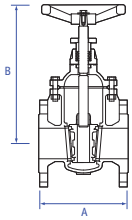


V953 Metering station

304 Stainless steel, flanges BS EN 1092-1 PN16, complete with test points and stainless steel extensions with flow measurement function

Size	*A*	*B*	*C*	*Weight kg*	*Order code*
DN50	109	148	20	1.40	15540
DN65	129	158	20	1.90	15541
DN80	144	166	20	2.20	15542
DN100	164	176	20	2.40	15543
DN125	194	191	20	3.10	15544
DN150	220	204	20	3.40	15545
DN200	275	232	20	4.70	15546
DN250	358	273	20	6.08	15547
DN300	386	287	20	7.60	15548

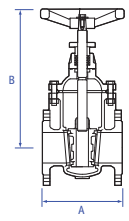
Cast iron flanged gate valves



V950 Ductile iron gate valve PN16

BS EN 1171:2002 PN16, 16bar from -10°C to 120°C, 11.8bar 230°C

Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN50	178	327	16.10	230.00	15510
DN65	191	322	19.12	360.00	15511
DN80	203	340	22.14	519.00	15512
DN100	229	420	28.00	923.00	15513
DN125	254	477	35.00	1443.00	15514
DN150	267	542	43.00	2077.00	15515
DN200	292	608	86.00	3693.00	15516
DN250	330	750	147.00	5771.00	15517
DN300	356	835	209.00	8310.00	15518



V951 Cast iron gate valve PN6

BS EN 1171:2002 PN6, 6bar from -10°C to 120°C, 5.4bar 150°C

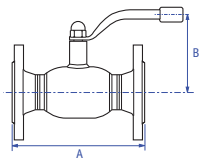
Size	*A*	*B*	*Weight kg*	*Kv m3/h*	*Order code*
DN65	170	222	13.10	230.00	15520
DN80	180	250	18.50	360.00	15521
DN100	190	303	22.30	923.00	15522
DN125	200	351	38.00	1443.00	15523
DN150	210	411	39.00	2077.00	15524
DN200	230	498	63.00	3693.00	15525

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballomax steel flanged isolating ball valves

PB1005 Ballomax steel ball valve
Flanged PN40, lever operated

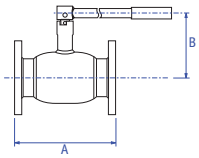
Size	A	B	Weight kg	Kv m3/h	Order code
DN15 **61103015**	130	116	1.50	6.00	13984
DN20 **64103020**	150	85	2.90	14.00	13985
DN25 **64103025**	160	89	3.50	26.00	13986
DN32 **64103032**	180	93	4.80	43.00	13987
DN40 **64103040**	200	108	6.20	64.00	13988
DN50 **64103050**	230	114	8.20	100.00	13971



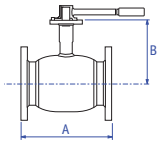
PB1006 Ballomax steel ball valve
Flanged PN16, lever operated

Size	A	B	Weight kg	Kv m3/h	Order code
DN65 **64103065**	270	144	9.90	160.00	13972
DN80 **64103080**	280	154	13.20	280.00	13973
DN100 **64103100**	300	193	18.30	450.00	13974
DN125 **61103125**	325	221	25.10	690.00	13885
DN150 **64103150**	350	245	38.20	1100.00	13886
DN200 **64103200**	400	289	61.70	1500.00	13887
DN250 **64103250**	650	306	140.00	2770.00	13888
DN300 **64103300**	750	336	225.00	4620.00	13860
DN350 **64103350**	850	395	300.00	7250.00	13861
DN400 **64103400**	950	445	450.00	10540.00	13862
DN500 **64103500**	1150	522	705.00	11780.00	13863

DN65-DN100



DN125-DN500



Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

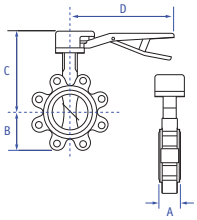
Flanged valves

Ballomax accessories

Hot tapping tool kit with case
Standard PN25

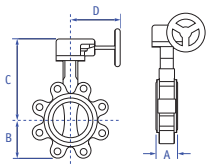
Size	*Order code*
DN15-50mm **68500015**	14007
DN65-100mm **68500100**	14008

Cast iron flanged butterfly valves



V907 Cast iron butterfly valve

Size	*A*	*B*	*C*	*D*	*Weight kg*	*Kv m3/h*	*Order code*
DN65	46	70	181	200	5.00	229.32	15332
DN80	46	89	187	200	5.50	353.34	15333
DN100	52	106	211	290	8.40	702.00	15334
DN125	56	120	226	290	9.80	1195.74	15335
DN150	56	132	239	290	11.80	1847.43	15336
DN200	60	164	293	450	23.00	3669.12	15337



V907G Cast iron butterfly valve geared

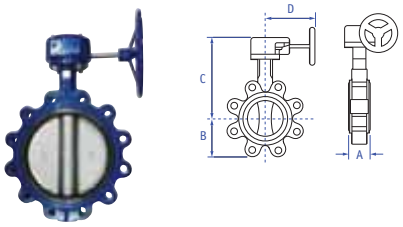
Size	*A*	*B*	*C*	*D*	*Weight kg*	*Kv m3/h*	*Order code*
DN250	68	200	469	341	35.80	6247.80	15338
DN300	78	238	494	341	49.80	9652.50	15339

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

V905 Cast iron butterfly valve
Fully lugged, to BS EN 593:2004, face to face dimensions to BS EN 558:2008

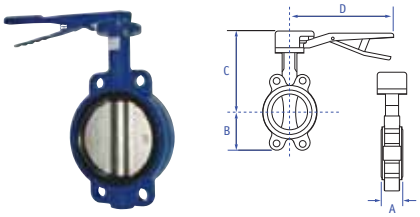
Size	*A*	*B*	*C*	*D*	*Weight kg*	*Kv m3/h*	*Order code*
DN65	46	70	181	200	5.80	229.32	15300
DN80	46	89	187	200	6.00	353.34	15301
DN100	52	106	211	290	10.30	702.00	15302
DN125	56	120	226	290	13.50	1195.74	15303
DN150	56	132	239	290	14.60	1847.43	15304
DN200	60	164	293	450	21.40	3669.12	15305

V905G Cast iron butterfly valve geared
Fully lugged, to BS EN 593:2004, face to face dimensions to BS EN 558:2008



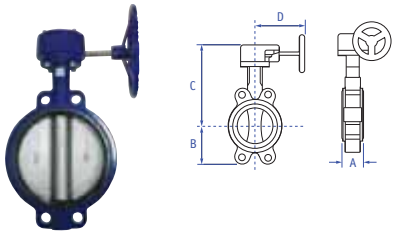
Size	*A*	*B*	*C*	*D*	*Weight kg*	*Kv m3/h*	*Order code*
DN250	68	200	469	341	42.00	6247.80	15306
DN300	78	238	494	341	67.00	9652.50	15307

V906 Cast iron butterfly valve
Semi lugged, to BS EN 593:2004, face to face dimensions to BS EN 558:2008



Size	*A*	*B*	*C*	*D*	*Weight kg*	*Kv m3/h*	*Order code*
DN65	46	70	181	200	4.40	229.32	15316
DN80	46	89	187	200	5.00	353.34	15317
DN100	52	106	211	290	6.10	702.00	15318
DN125	56	120	226	290	8.00	1195.74	15319
DN150	56	132	239	290	9.60	1847.43	15320
DN200	60	164	293	450	15.10	3669.12	15321

V906G Cast iron butterfly valve geared
Semi lugged, to BS EN 593:2004, face to face dimensions to BS EN 558:2008

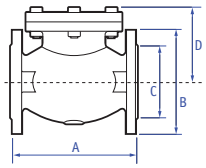


Size	*A*	*B*	*C*	*D*	*Weight kg*	*Kv m3/h*	*Order code*
DN250	68	200	469	341	31.50	6247.80	15322
DN300	78	238	494	341	50.50	9652.50	15323

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Flanged valves

Cast iron flanged swing check valves



V914 Cast iron swing check valve

BS EN 12334:2001 PN16, 16bar from -10°C to 120°C, 11.8bar 230°C

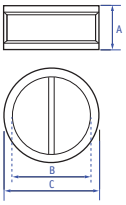
Size	*A*	*B*	*C*	*D*	*Weight kg*	*Flow l/s*	*Kv m3/h*	*Order code*
DN65	215.9	185	122	132.5	17.30	1.50	63.00	15378
						5.00	150.00	
						8.00	161.00	
DN80	241.3	200	138	141.5	24.50	2.00	75.00	15379
						6.00	202.00	
						12.00	328.00	
						20.00	428.00	
DN100	292.1	220	158	163.0	37.50	4.00	168.00	15380
						10.00	353.00	
						15.00	447.00	
						20.00	516.00	
DN125	330.2	250	188	197.0	40.95	5.00	173.00	15381
						10.00	361.00	
						20.00	602.00	
						30.00	689.00	
DN150	355.6	285	212	212.0	51.72	7.00	298.00	15382
						20.00	735.00	
						40.00	1231.00	
DN200	495.3	340	268	257.0	120.00	15.00	520.00	15383
						40.00	1210.00	
						90.00	1835.00	
DN250	622.3	405	320	298.5	218.00	Fully open	2725.00	15384
DN300	698.5	460	378	330.5	281.00	Fully open	3850.00	15385

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Cast iron flanged check valves

V909 Cast iron wafer pattern check valve

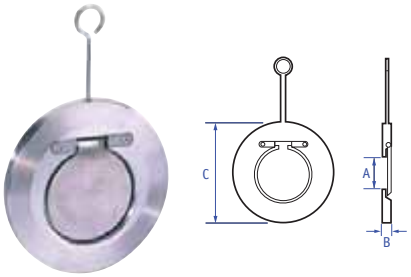
Wafer dual plate check valve, 16bar from -10°C to 120°C.
BS EN 12334:2001 and face to face dimensions comply to BS EN 558-1



Size	A	B	C	Weight kg	Flow l/h	Kv m3/h	Order code
DN65	54	78	126	2.39	1.50	57.00	15398
					2.50	81.00	
					6.00	126.00	
					10.00	139.00	
DN80	57	90	141	3.20	1.50	55.00	15399
					2.50	85.00	
					6.00	140.00	
					10.00	167.00	
DN100	64	115	161	4.80	2.50	101.00	15400
					8.00	200.00	
					15.00	243.00	
					25.00	259.00	
DN125	70	141	191	7.60	4.00	135.00	15401
					6.00	190.00	
					15.00	336.00	
					30.00	413.00	
DN150	76	170	217	10.00	6.00	216.00	15402
					10.00	338.00	
					20.00	556.00	
					40.00	747.00	
DN200	95	210	272	14.00	10.00	423.00	15403
					20.00	797.00	
					40.00	1340.00	
					80.00	1770.00	
DN250	108	273	327	23.56	160.00	2600.00	15404
DN300	143	324	382	36.00	220.00	4300.00	15405

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Flanged valves



V911 Single plate wafer pattern stainless steel check valve

Fits between flanges BS 4505 PN16

Size	A	B	C	Weight kg	Flow l/h	Kv m3/h	Order code
DN80	54	16	144	1.70	1.50	89.00	15418
					2.50	104.00	
					3.00	106.00	
					4.00	108.00	
DN100	71	16	162	2.00	1.50	111.00	15419
					2.50	149.00	
					5.00	202.00	
					10.00	212.00	
DN125	95	16	194	3.00	4.00	227.00	15420
					6.00	297.00	
					20.00	412.00	
					35.00	446.00	
DN150	114	19	220	4.55	6.00	359.00	15421
					12.00	370.00	
					20.00	374.00	
					40.00	388.00	

V909 and V911 Kv values

Valve sizing coefficients (m3@1Δp)

Size	10°	20°	30°	40°	50°	60°	70°	80°	90°
DN65 2½"	0.08569	5.141388	10.28278	21.42245	38.56041	64.26735	101.9709	152.5278	167.952
DN80 3"	0.17138	7.712082	15.42416	33.41902	59.98286	99.40017	156.8123	235.647	258.7832
DN100 4"	0.257069	14.56727	30.84833	66.83805	119.1088	197.0865	311.9109	467.8663	514.1388
DN125 5"	0.428449	24.85004	52.27078	113.9674	203.0848	335.904	531.2768	796.9152	875.7498
DN150 6"	0.685518	38.56041	81.40531	175.6641	313.6247	518.4233	820.9083	1231.362	1353.042
DN200 8"	1.713796	76.26392	161.0968	349.6144	622.9649	1029.991	1630.677	2445.587	2687.232
DN250 10"	2.570694	129.3916	274.2074	594.6872	1059.983	1754.07	2776.35	4163.668	4575.835
DN300 12"	3.427592	200.5141	424.1654	918.5947	1637.532	2709.512	4288.775	6432.734	7069.409

V909 and V911 Cv values

Valve sizing coefficients (US-GPM@1Δp)

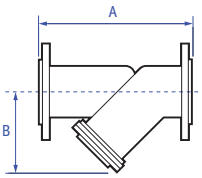
Size	10°	20°	30°	40°	50°	60°	70°	80°	90°
DN65 2½"	0.10	6.00	12.00	25.00	45.00	75.00	119.00	178.00	196.00
DN80 3"	0.20	9.00	18.00	39.00	70.00	116.00	183.00	275.00	302.00
DN100 4"	0.30	17.00	36.00	78.00	139.00	230.00	364.00	546.00	600.00
DN125 5"	0.50	29.00	61.00	133.00	237.00	392.00	620.00	930.00	1022.00
DN150 6"	0.80	45.00	95.00	205.00	366.00	605.00	958.00	1437.00	1579.00
DN200 8"	2.00	89.00	188.00	408.00	727.00	1202.00	1903.00	2854.00	3136.00
DN250 10"	3.00	151.00	320.00	694.00	1237.00	2047.00	3240.00	4859.00	5340.00
DN300 12"	4.00	234.00	495.00	1072.00	1911.00	3162.00	5005.00	7507.00	8250.00

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Cast iron flanged strainers

V912 Cast iron Y type strainer

PN16, -10°C to 120°C 13bar at 220°C. Raised flanges in accordance with BS EN 1092-2:1997 PN16

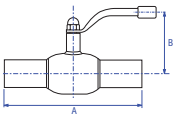


Size	*A*	*B*	*Weight kg*	*Order code*
DN65	290	134	14.50	15361
DN80	310	165	17.50	15362
DN100	350	215	31.25	15363
DN125	400	265	43.00	15364
DN150	480	295	62.50	15365
DN200	600	360	107.00	15366
DN250	730	465	196.67	15367
DN300	850	560	253.00	15368

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

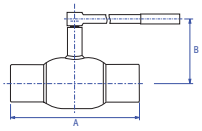
Weld valves

Ballomax steel weld ball valves



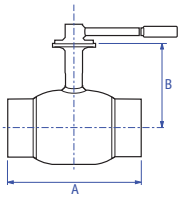
PB1002 Ballomax steel ball valve
Weld x weld, standard PN40, lever operated

Size	A	B	Weight kg	Kv m3/h	Order code
1/2" x 1/2" **61102015**	210	116	0.80	6.00	13664
3/4" x 3/4" **64102020**	230	115	0.80	14.00	13665
1" x 1" **64102025**	230	120	1.00	26.00	13666
1 1/4" x 1 1/4" **64102032**	260	124	1.40	43.00	13667
1 1/2" x 1 1/2" **64102040**	260	129	2.10	64.00	13668
2" x 2" **64102050**	300	135	3.00	100.00	13977



PB1003 Ballomax steel ball valve
Weld x weld, standard PN25, lever operated

Size	A	B	Weight kg	Kv m3/h	Order code
2 1/2" x 2 1/2" **64102065**	360	144	4.50	160.00	13978
3" x 3" **64102080**	370	154	6.00	280.00	13979
4" x 4" **64102100**	390	193	9.70	450.00	13980



PB1004 Ballomax steel ball valve
Weld x weld, standard PN25, no lever

Size	A	B	Weight kg	Kv m3/h	Order code
5" x 5" **61102125**	390	221	17.30	690.00	13981
6" x 6" **61102150**	390	245	26.90	1100.00	13982
8" x 8" **61102200**	390	289	43.50	1500.00	13983
10" x 10" **61102250**	630	306	115.00	2770.00	13936
12" x 12" **61102300**	710	336	195.00	4620.00	13937
14" x 14" **61102350**	750	395	235.00	7250.00	13938
16" x 16" **61102400**	860	445	390.00	10540.00	13939
20" x 20" **61102500**	970	522	610.00	11780.00	13940

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

Ballomax accessories

Hot tapping tool kit with case
Standard PN25

Size	*Order code*
DN15-50mm **68500015**	14007
DN65-100mm **68500100**	14008

Pressure and temperature ratings: pages 98-108 Technical suitability: pages 109-114 Materials: pages 115-128
PED tables: pages 129-136 Flange tables: pages 137-138 Connection instructions: pages 139-142 Flow charts: pages 143-155

PEGLER

Technical data Pressure and temperature ratings

Conversion formulas

Temperature:

Celsius to Fahrenheit

$$°F = \frac{(9 \times °C)}{5} + 32$$

Fahrenheit to Celsius

$$°C = \times 5 \frac{(°F - 32)}{9}$$

Pressure:

Bar to psi
x 14.5038

psi to bar
+ 14.5038

Press-fit valves

All Press-fit valves

		Max. working pressure (bar)				Max. working pressure (psi)				Test pressure (bar)		(psi)	
Product	Size	Temp	bar	Temp	bar	Temp	psi	Temp	psi	Shell	Seat	Shell	Seat
Press-fit valves	DN15 to DN54	30°C max	16	up to 110°C	16	up to 86°F	232.1	up to 230°F	232.1	24	17.6	348	255.3

XT press-fit x push-fit valves

All XT press-fit x push-fit valves

		Max. working pressure (bar)				Max. working pressure (psi)				Test pressure (bar)		(psi)	
Product	Size	Temp	bar	Temp	bar	Temp	psi	Temp	psi	Shell	Seat	Shell	Seat
Press-fit x push-fit valves	DN15 to DN50	30°C max	16	up to 95°C	6	up to 86°F	232.1	up to 230°F	87	24	17.6	348	255.3

Push-fit valves

All Push-fit valves

		Max. working pressure (bar)				Max. working pressure (psi)				Test pressure (bar)		(psi)	
Product	Size	Temp	bar	Temp	bar	Temp	psi	Temp	psi	Shell	Seat	Shell	Seat
Push-fit valves	DN15 to DN50	30°C max	16	up to 95°C	6	up to 86°F	232.1	up to 230°F	87	24	17.6	348	255.3

Threaded valves

Commissioning valves and metering station

		Max. working pressure (bar)				Max. working pressure (psi)				Test pressure (bar)		(psi)	
Product	Size	Temp	bar	Temp	bar	Temp	psi	Temp	psi	Shell	Seat	Shell	Seat
902S	DN15 to DN20	100°C	20	120°C	16	80°F	232.1	243°F	745	24	17.6	348	255.3
900S	½" to 2"	100°C	20	135°C	16	212°F	290.1	275°F	232.1	30	22	435.1	319.1
901S	½" to 2"	100°C	20	135°C	16	212°F	290.1	275°F	232.1	30	22	435.1	319.1
1200, 1260, 1250	½" to 2"	100°C	20	120°C	16	212°F	290.1	275°F	232.1	30	22	435.1	319.1
V952	DN50 to DN200	105°C	16	105°C	16	212°F	232.1	212°F	232.1	24	17.6	348	255.3

Threaded valves – continued

Gate valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
1072	½" to 2"	up to 100°C	32	up to 198°C	14.5	up to 212°F	464.1	up to 389°F	210.3	48	35.2	696.2	510.5
1070/125, 1070/125LS	¼" to 4"	up to 100°C	20	up to 180°C	9	212°F	290.1	356°F	130.5	30	22	435.1	319.1
1078, 1078LS	½" to 4"	up to 100°C	20	up to 180°C	9	212°F	290.1	356°F	130.5	30	22	435.1	319.1
1068, 1068LS	½" to 4"	up to 100°C	20	up to 180°C	9	212°F	290.1	356°F	130.5	30	22	435.1	319.1
1065	½" to 4"	up to 25°C	17.5	up to 93°C	17.5	up to 77°F	253.8	up to 200°F	253.8	26.3	19.3	381.5	279.5

Ball valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
PB700, PB700T	¼" to 4"	up to 110°C	40	up to 186°C	10	212°F	580.2	389°F	145	60	44	870.2	638.2
PB500, PB500T PB500EL	¼" to 4"	up to 100°C	25	up to 150°C	16.5	212°F	362.6	302°F	293.3	37.5	27.5	543.9	398.9
PB550DR, PB550DRT, PB550LS, PB550EL	½" to 2"	up to 100°C	25	up to 150°C	16.5	212°F	362.6	302°F	293.3	37.5	27.5	543.9	398.9
PB560, PB560EXT	¾"	up to 30°C	20	up to 114°C	10	up to 86°F	290.1	up to 237°F	145	30	22	435.1	319.1
PB100	½" to 2"	up to 20°C	25	up to 120°C	4	up to 68°F	362.6	up to 248°F	58	37.5	27.5	543.9	398.9
PB100	2½" to 4"	up to 20°C	16	up to 120°C	4	up to 68°F	232.1	up to 248°F	58	24	17.5	348.1	253.8

Ballomax steel ball valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
PB1000, PB1001	½" to 2"	up to 100°C	40	up to 165°C	16	212°F	580.2	329°F	232.1	60	44	870.2	638.2

PEGLER

Technical data
Pressure and temperature ratings

Threaded valves – continued

Bibtaps and vent valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
PB50HU, PB50, PB52HU	½", ¾"	up to 60°C	16	up to 100°C	8	up to 140°F	232.1	212°F	116	24	17.6	348.1	253.8
1111BV	1" to 2"	up to 80°C	25	up to 150°C	5	176°F	362.6	302°F	72.5	37.5	27.5	543.9	398.9

Check valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
1060A	½" to 2"	up to 100°C	25	up to 186°C	10.5	up to 212°F	362.6	up to 367°F	152.3	37.5	27.5	543.9	398.9
1060A	2½" to 4"	up to 110°C	16	up to 140°C	10	up to 230°F	232.1	up to 284°F	145	24	17.5	348.1	253.8
1039	½" to 2"	up to 100°C	32	up to 198°C	14	212°F	290.1	up to 389°F	203.1	48	35.2	696.2	510.5
1062	½" to 1"	up to 100°C	25	up to 186°C	10.5	212°F	362.6	up to 389°F	152.3	37.5	27.5	543.9	398.9
1063, 1064	½" to ¾"	max 90°C	12	-	-	max 194°F	174	-	-	18	13.2	261.1	191.4
1063, 1064	1" to 2"	max 90°C	10	-	-	max 194°F	145	-	-	15	11	217.6	159.5
1063, 1064	2½" to 4"	max 90°C	8	-	-	max 194°F	116	-	-	12	8.8	174	127.6
K4426	½" to 2"	max 95°C	16	-	-	max 203°F	232.1	-	-	24	17.6	348.1	253.8

Globe valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
1029	¼" to 2"	up to 100°C	32	up to 198°C	14	up to 86°F	464.1	up to 248°F	203.1	48	35.2	696.1	510.5
1031	½" to 2"	up to 100°C	32	up to 198°C	14	212°F	464.1	up to 389°F	203.1	48	35.2	696.2	510.5

Strainers

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
V954	½" to 2"	up to 100°C	32	up to 198°C	14	212°F	464.1	up to 389°F	203.1	48	35.2	696.2	510.5
V913	½" to 2"	up to 100°C	25	up to 186°C	10.5	212°F	362.6	up to 389°F	152.3	37.5	27.5	543.9	398.9

Circulation valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
P603, P605, P604, P606	DN15 to DN25	90°C	10	-	-	140°F	232	140°F	232	15	11	348	255.3

Miscellaneous

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
1832	½" to 1"	up to 120°C	10	up to 120°C	10	up to 248°F	145	up to 248°F	145	15	11	217.6	159.5
PB60HU	½" to 1"	up to 30°C	16	up to 120°C	5	up to 77°F	232.1	up to 200°F	72.5	24	17.6	348.1	253.8
833GM, 833GMLS	½" to 1"	max 120°C	20	up to 120°C	20	max 212°F	290.1	max 212°F	290.1	30	22	435.1	319.1
775	½" to 1"	up to 30°C	16	up to 120°C	5	up to 77°F	232.1	up to 200°F	72.5	24	17.6	348.1	253.8
K416	15 to 76mm	20°C	20	max 110°C	6	68°F	290.1	230°F	87	30	22	435.1	319.1

Compression valves

Check valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
K424, K4424, K4424CP	15 to 28mm	max 95°C	16	-	-	max 203°F	232.1	-	-	24	17.6	348.1	253.8

Technical data Pressure and temperature ratings

Compression valves – continued

Ballofix isolating ball valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
Ballofix	15 to 28mm for water services	max 120°C	16	max 120°C	16	248°F	232.1	248°F	232.1	24	17.6	348.1	253.8
Ballofix	¼" to 1¼" for water services	max 120°C	16	max 120°C	16	248°F	232.1	248°F	232.1	24	17.6	348.1	253.8
Ballofix	15mm for gas services	max 60°C	4	-	-	max 140°F	-	-	39.2	6	4.4	87	63.8
Ballofix	¼" to 1" for gas services	max 60°C	4	-	-	max 140°F	-	-	39.2	6	4.4	87	63.8

All Compression valve products

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
Any Compression valve products	15 to 76mm	30°C	16	110°C	6	77°F	232.1	230°F	87	24	17.6	348	255.3

Flanged valves

Commissioning valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
900XSS, 900XSL, 900RMS, 901XS	DN65 to DN150	105°C	16	105°C	16	221°F	232.1	221°F	232.1	24	17.6	348.1	253.8
900XSS, 900RMS, 901XS	DN65 to DN300	105°C	16	105°C	16	221°F	232.1	221°F	232.1	24	17.6	348.1	253.8

Gate valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
V950	DN65 to DN200	120°C	16	230°C	11.8	248°F	232.1	446°F	171.1	24	17.6	348.1	253.8
V951	DN50 to DN300	120°C	10	230°C	7.4	248°F	145	446°F	101.3	15	11	217.6	159.5

Ballomax ball valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
PB1005	DN15 to DN50	100°C	16	165°C	16	212°F	580	329°F	232	60	44	870	638
PB1006	DN65 to DN500	165°C	16	185°C	5	329°F	232	365°F	725	24	17.6	348	255.2

Butterfly valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
V907, V907G	DN65 to DN300	120°C	16	120°C	16	248°F	232.1	248°F	232.1	24	17.6	348.1	253.8
V906, V906G V905, V905G	DN65 to DN300	120°C	16	120°C	16	248°F	232.1	248°F	232.1	24	17.6	348.1	253.8

Check valves

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
V914	DN65 to DN300	120°C	16	230°C	11.8	248°F	232.1	446°F	171.1	24	17.6	348.1	253.8
V909	DN50 to DN300	120°C	16	120°C	16	248°F	232.1	248°F	232.1	24	17.6	348.1	253.8
V911	DN80 to DN150	120°C	16	120°C	16	248°F	232.1	248°F	232.1	24	17.6	348.1	253.8

Strainers

Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
V912	DN65 to DN300	120°C	16	220°C	13	248°F	232.1	428°F	188.5	24	17.6	348.1	253.8

Weld valves

Flanged valves

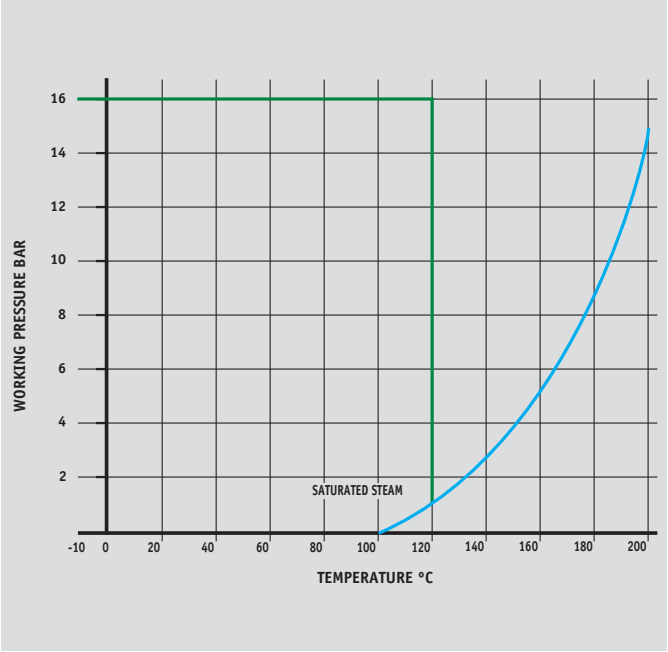
Product	Size	Max. working pressure (bar) Temp	bar	Temp	bar	Max. working pressure (psi) Temp	psi	Temp	psi	Test pressure (bar) Shell	Seat	(psi) Shell	Seat
PB1002	DN15 to DN50	up to 100°C	40	max 165°C	16	up to 212°F	580.2	max 329°F	232.1	60	44	870.2	638.2
PB1003	DN65 to DN500	up to 100°C	25	max 165°C	16	up to 212°F	362.6	max 329°F	232.1	37.5	27.5	543.9	398.9
PB1004	DN65 to DN500	up to 100°C	40	max 165°C	16	up to 212°F	580.2	max 329°F	232.1	60	44	870.2	638.2

PEGLER

Technical data Pressure and temperature ratings

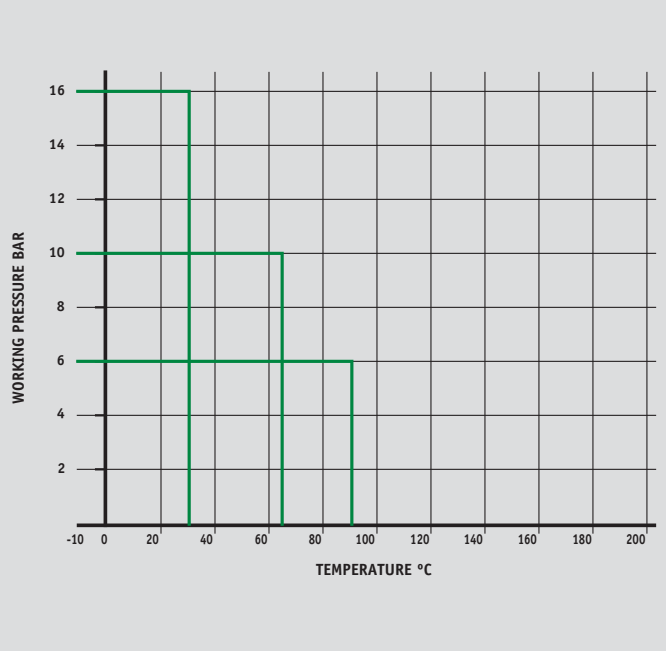
PN16 Press-fit valves

PS902, PS900, PS901, PS1200, PS1260, PS1250, PS1070/125, PS1070/125LS, PS1068, PS1068LS, PS1078, PS1078LS, PS500, PS500T, PS550, PS550T, PS1060A, PS913, PS954



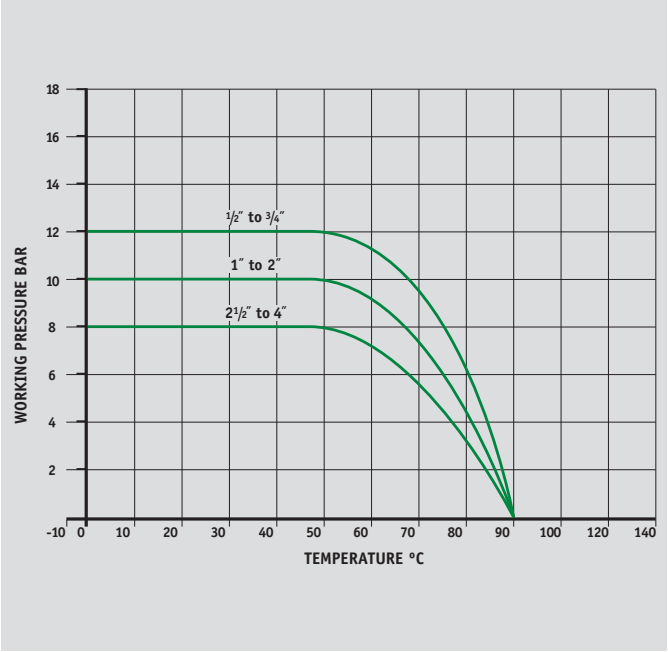
PN16 Push-fit valves

PT900, PT901, PT1070/125, PT1070/125LS, PT1068, PT1068LS, PT500, PT500T, TX490L, PT550, PT550T, PT1060A, PT913, PT1250, XT1260, XT1200, XT1250, XT900, XT901, XT902, XT1068, XT1068LS, XT500, XT550, XT550EL



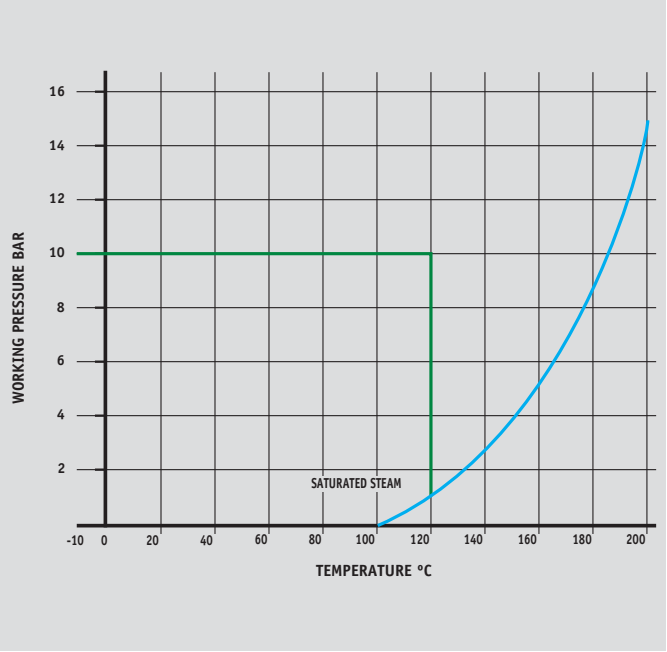
8/10/12bar/90°C Threaded valves

1063, 1064

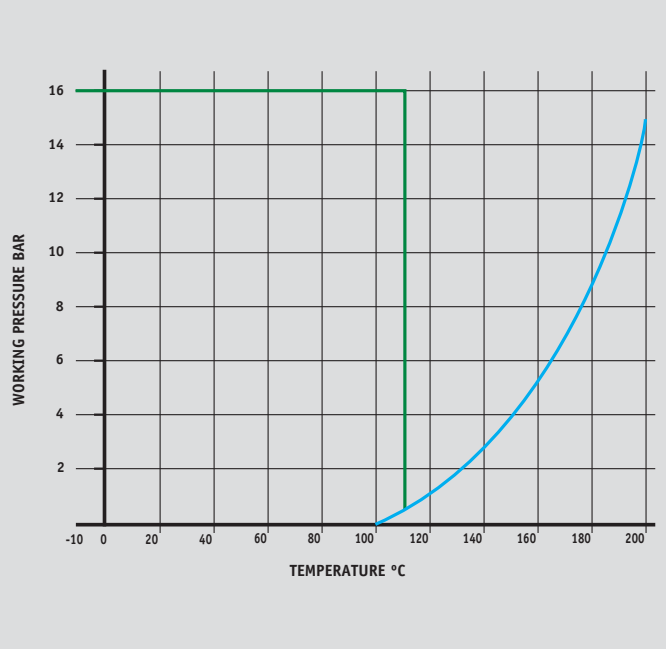


PN10 Threaded valves

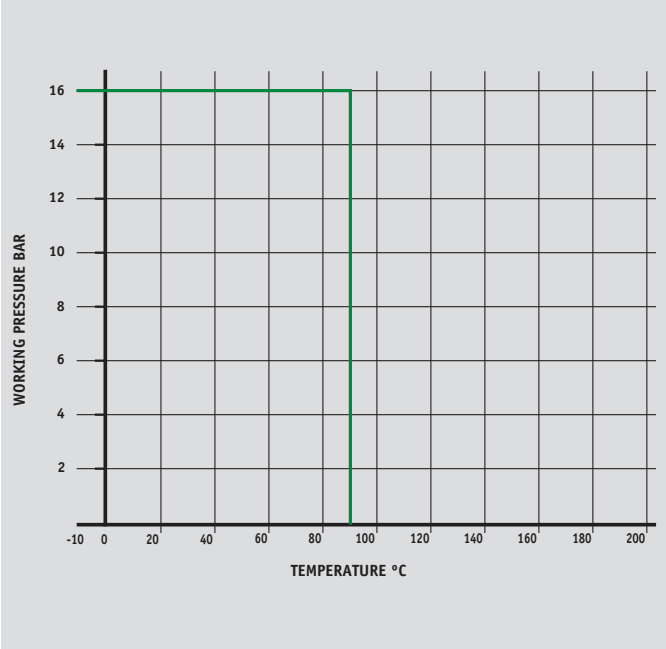
1832, PB60HU



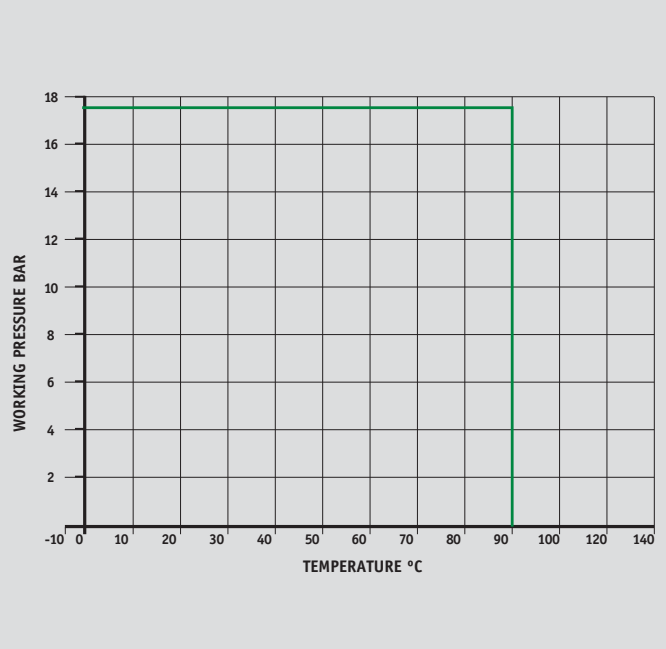
PN16 Threaded valves
V913



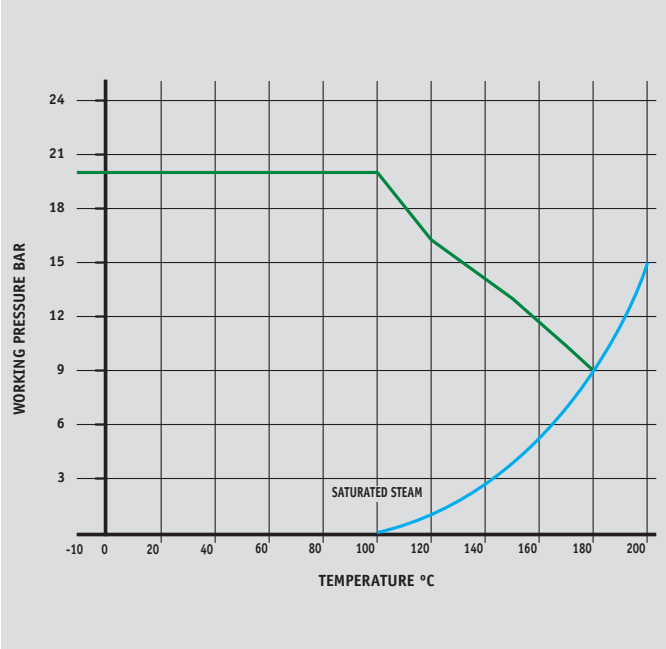
PN16 Threaded and flanged valves
V907, V907G, P603, P604, P605, P606



17.5bar/93°C Threaded valves
1065



PN20 Threaded valves
902, 900, 901, 1200, 1260, 1250, 1070/125, 1070/125LS, 1078, 1078LS, 1068, 1068LS, PB560

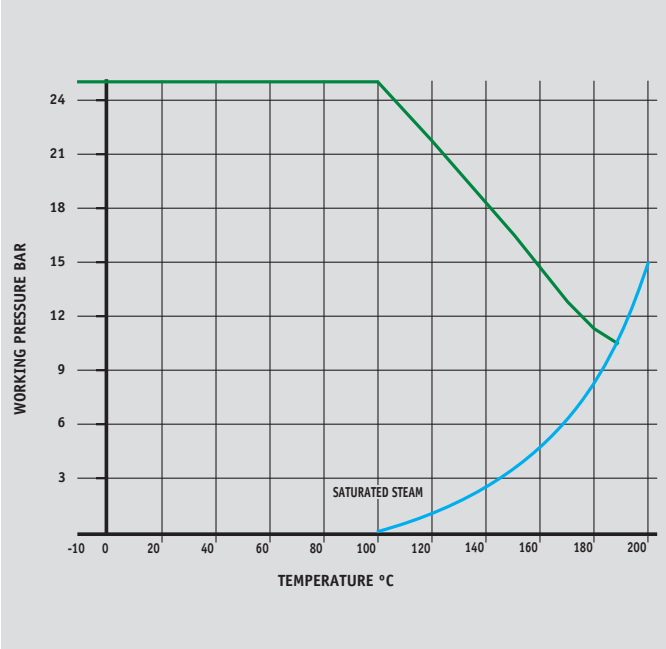


PEGLER

Technical data Pressure and temperature ratings

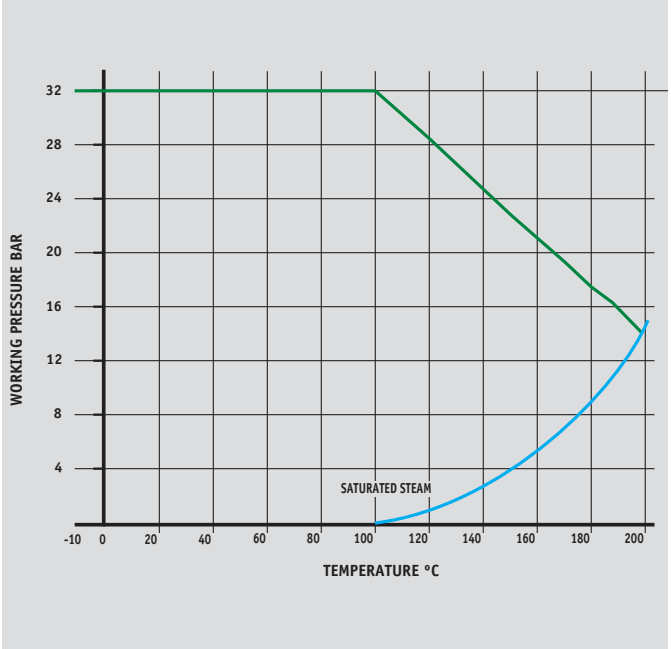
PN25 Threaded valves

PB500, PB500T, PB500EL, PB550, PB550T, PB550LS, PB550EL, 1060A, 1062, 1111BV



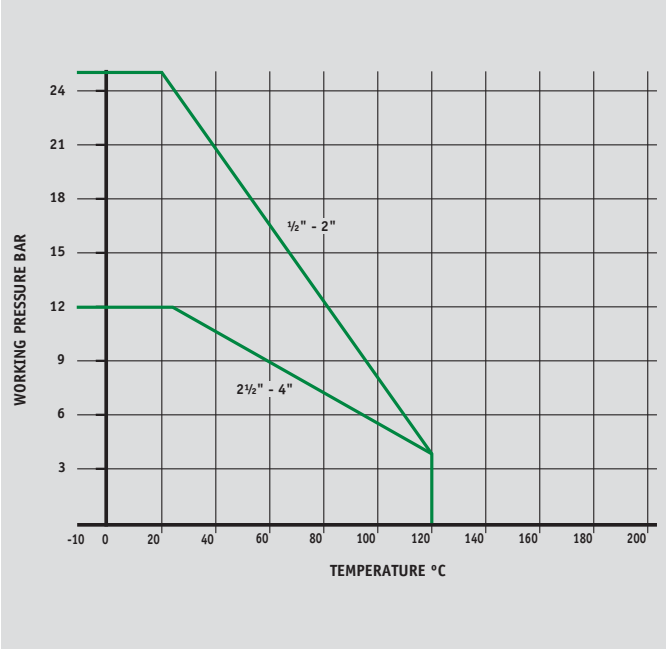
PN32 Threaded valves

1072, 1039, 1029, 1031, V954



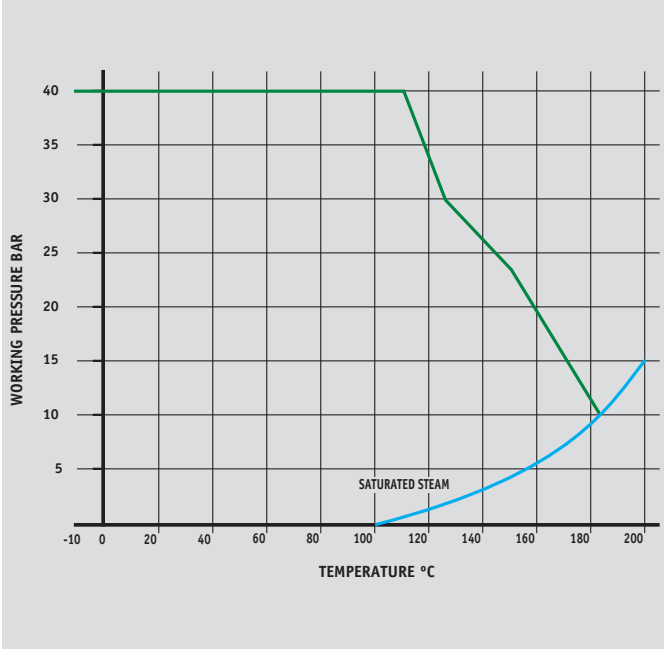
25bar/16bar/20°C Threaded valves

PB100



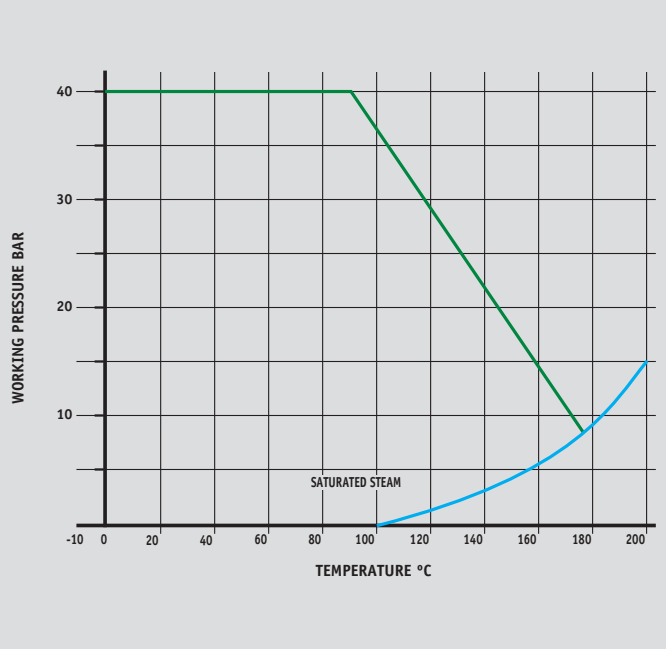
PN40 Threaded valves

PB700, PB700T



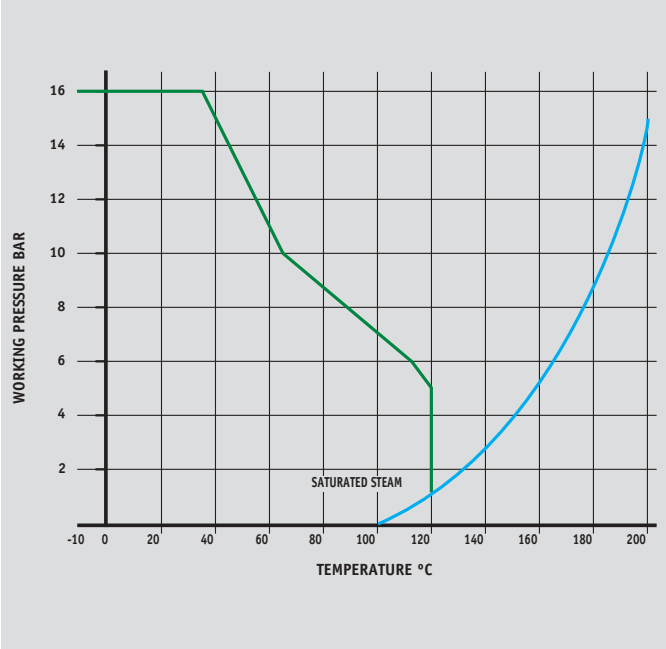
PN40 Threaded valves

PB1000, PB1001, PB1002, PB1005



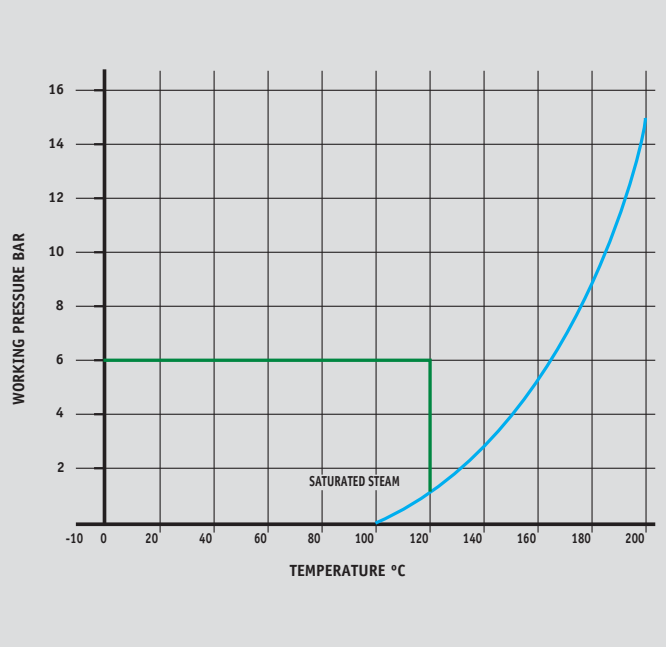
PN16 Compression valves

900SC, 901SC, 1200C, 1260C, 1250C, 63, 63LS, K416GM, K416GM LS, PB350, PB350T, PB350LS, PB350EL, PB300, PB300LS



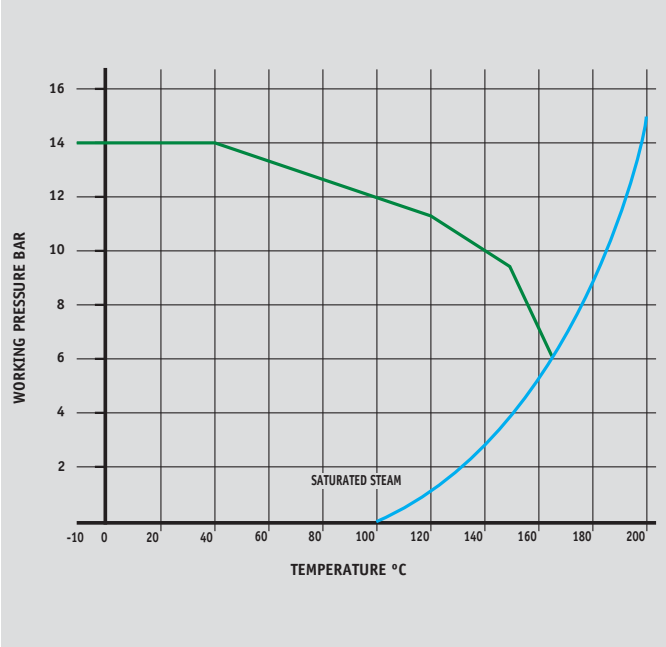
PN6 Flanged valves

V951



PN16 Flanged valves

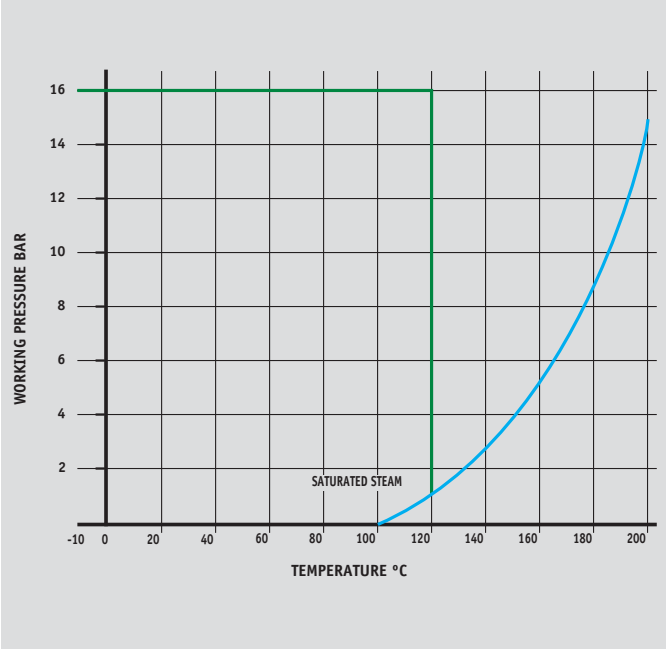
V950



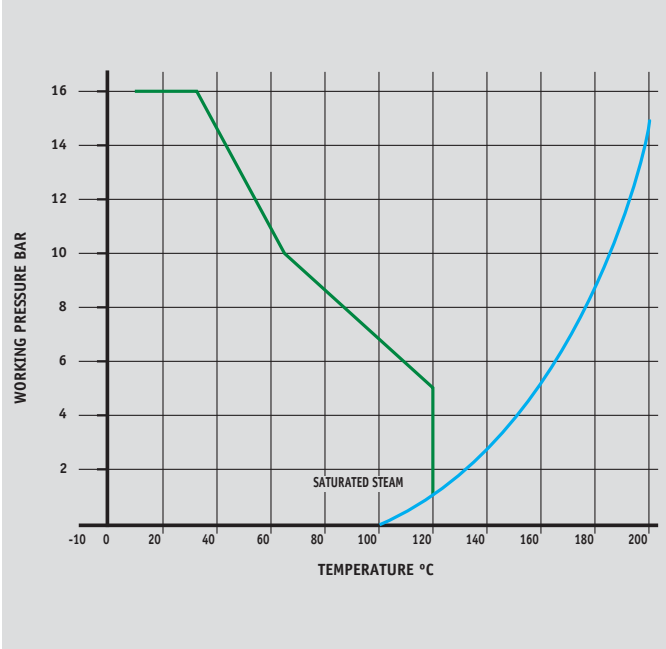
PEGLER

Technical data
Pressure and temperature ratings

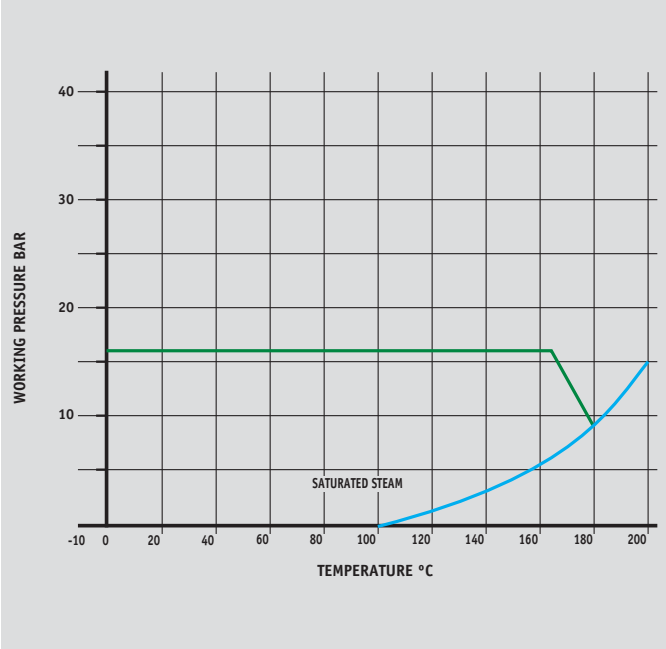
PN16 Flanged valves
V952, V952V, 906, 906G, 905, 905G, 900XS, 901XS, 900RM, V914, V909, V911, V912



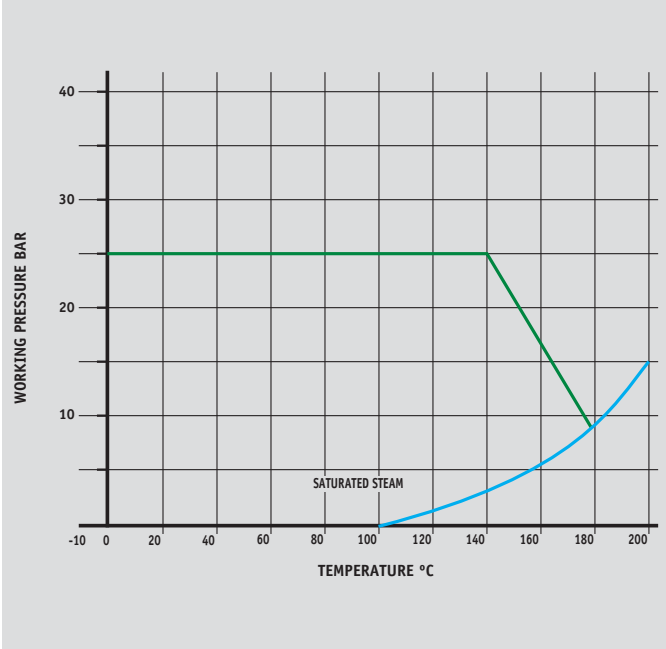
PN16 Flanged valves
V953



PN16 Flanged valves
PB1006



PN25 Weld valves
PB1003, PB1004



Ballorex Venturi dynamic valves

	VALVE SUITABILITY							
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
PS902S, 902S, PT902S, XT902	✗	✓	✗	✗	✗	✗	✗	✗

Ballorex Venturi commissioning valves

	VALVE SUITABILITY							
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
PS900S, PT900S, 900S, 900SC, 900XS, XT900	✗	✓	✗	✗	✗	✗	✗	✗

Ballorex Venturi double regulating valves

	VALVE SUITABILITY							
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
PS901S, PT901S, 901S, 901SC, 901XS, XT901	✗	✓	✗	✗	✗	✗	✗	✗

Double regulating valves

	VALVE SUITABILITY							
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
PS1200, 1200, 1200C, XT1200, V952	✗	✓	✗	✗	✗	✗	✗	✗

Commissioning valves and metering stations

	VALVE SUITABILITY							
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
PS1260, 1260, 1260C, PS1250, 1250C, 900RM, V953, PT1250, XT1260, XT1250, V952V	✗	✓	✗	✗	✗	✗	✗	✗

†The valves are suitable for British Gas Applications Family Gases 1, 2 and 3. ††Suitable in applications where moisture is completely absent

Circulation valves

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
P603, P605, P604, P606	✗	✓	✗	✗	✗	✗	✗	✗

Quarter turn ball valves

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air*	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
PB700, PB700T, PB500 Yellow, PB300 Yellow, PB300T Yellow, PB300 Green, PB300T Green	✓	✓	✓	✓	✓	✓	✓	✗
PS500, PT500, PS550, PS550EL, PT550, PS550T, PT550T, XT500, XT550, XT550EL	✗	✓	✗	✗	✗	✗	✗	✗
PB500T, PB550DR, PB550DR T, PB550DR LS, PB560, PB560EXT, PB500EL, PB550EL, PB350EL, PB350, PB350T, PB350LS, PB300 Red, PB300 Blue, PB300T Red, PB300T Blue	✓	✓	✓	✓	✗	✗	✗	✗
PB100	✗	✓	✓	✓	✗	✗	✗	✗
PB50HU, PB50, PB52HU, 1111BV	✗	✓	✓	✗	✗	✗	✗	✗

**Air to maximum 10bar.*

Ballomax steel ball valves

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
PB1000, PB1001, PB1002, PB1003, PB1004	✗	✓	✗	✗	✗	✗	✗	✗

Gate valves

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
1072, 1070/125, 63, 63LS	✗	✓	✓	✗	✗	✗	✗	✗

†The valves are suitable for British Gas Applications Family Gases 1, 2 and 3. ††Suitable in applications where moisture is completely absent

Gate valves – continued

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
PS1070/125, PT1070/125, PS1070/125LS, PT1070/125LS, PS1078, PT1078, PS1078LS, PT1078LS, PS1068, PT1068, V951, V950, XT1068, XT1068LS	✗	✓	✗	✗	✗	✗	✗	✗
1070/125LS, 1078, 1078LS, 1068LS, K416GM, K416GMLS	✗	✓	✓	✗	✗	✗	✗	✗
1068	✗	✓	✓	✗	✗	✗	✗	✗
1065	✗	✓	✓	✗	✗	✗	✗	✗

Globe valves

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
1029	✓	✓	✓	✓	✓	✓	✓	✗
1031	✓	✓	✓	✓	✗	✗	✗	✗

Check valves

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air*	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
PS1060A, PT1060A, K424, K4426 K4424, K4424CP, V914, V909, V911, V912,	✗	✓	✗	✗	✗	✗	✗	✗
1060A, 1039,	✓	✓	✓	✓	✗	✗	✗	✗
1063, 1064	✗	✓	✗	✓	✗	✗	✗	✗
0015YA, 0015ZA	✗	✓	✗	✗	✓	✓	✓	✗

**Air to maximum 5bar.*

Strainers

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
V954, PS913, PT913, V913, PS954	✗	✓	✗	✗	✗	✗	✗	✗

Drain cocks

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
1832, 833GM	✗	✓	✓	✗	✗	✗	✗	✗
833GM LS	✗	✓	✓	✗	✗	✗	✗	✗
PB60HU	✗	✓	✓	✓	✗	✗	✗	✗

Ballofix isolating ball valves

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
3390ZA, 3205YA, 3305YA, 3405YA, 3505YA, 3205ZA, 3250ZA, 3350ZA, 3405ZA, 3200YA, 3210YA, 3310YA, 3410YA, 3510YA, 3200ZA, 3310ZA, 3410ZA, 3510ZA, 3310YP, 3310ZP 5035CA, 5060BA, 5045CA, 5095CA, 5095BA, 3381YA	✗	✓	✗	✗	✗	✗	✗	✗
33504BGA	✗	✓	✗	✗	✓	✓	✓	✗
3481YA, 3581YA, 4381ZA, 4481ZA, 6381ZA, 6481ZA, 3381ZA, 3481ZA, 3581ZA, 4381ZP, 6381ZP, 6481ZP, 3381YP, 3481YP, 3381ZM, 3381ZP, 3331YA, 3431YA, 3331ZA, 3331YP, 3331ZP, 3375YA, 3380YA, 3380ZA, 3380YP, 3380ZP, 1581YA, 1581ZA	✗	✓	✗	✗	✗	✗	✗	✗

†The valves are suitable for British Gas Applications Family Gases 1, 2 and 3. ††Suitable in applications where moisture is completely absent

Ballofix compression filter valves

	VALVE SUITABILITY							
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
33615ZA, 34622ZA, 33615ZP, 5035CA	✗	✓	✗	✗	✗	✗	✗	✗

Ballofix service valves

	VALVE SUITABILITY							
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
3140YA, 3140ZA, 3140ZP, 3160YA, 3160ZA	✗	✓	✗	✗	✗	✗	✗	✗

Ball valve

	VALVE SUITABILITY							
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
TX490L	✗	✓	✗	✗	✗	✗	✗	✗

Automatic air vent

	VALVE SUITABILITY							
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
775	✗	✓	✗	✗	✗	✗	✗	✗

Butterfly valves

	VALVE SUITABILITY							
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
V906, V906G, V905, V905G	✗	✓	✗	✗	✗	✗	✗	✗
V907, V907G,	✗	✓	✗	✗	✓	✓	✓	✗

Ballomax ball valves

VALVE SUITABILITY								
Product	Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
PB1005, PB1006	✗	✓	✓	✓	✗	✗	✗	✗

Gas applications

Where indicated Pegler valves are suitable for use with water, steam, oil and certain gases. It is common practice for manufacturers to claim that their valves are suitable with gas. In fact, gases vary widely in their properties and the following explanation is offered for guidance.

Gases may be classified as follows:

Class 1. INERT
Air, argon, carbon dioxide, helium, nitrogen

Class 2. COMBUSTIBLE
Hydrogen, methane, natural gas, town gas

Class 3. CORROSIVE
Chlorine, sulphur dioxide

Class 4. OXYGEN

The suitability of Pegler Yorkshire valves for handling different classes of gas

Class 1. INERT
Entirely suitable. We recommend the renewable disk valves for preference. When ordering please state the specific purpose for which the valve is required.

Class 2. COMBUSTIBLE
There is no technical reason why our valves should not be used. However, in view of the hazards involved and the special requirements and approvals required by British Gas, we do not make any general recommendation for this class of gas unless specified, but will be pleased to discuss specific applications.

Class 3. CORROSIVE
Copper alloy valves are only suitable for such application if moisture is completely absent.

Class 4. OXYGEN
Oxygen can react dangerously with oils and greases, and normal lubricants cannot be used so brass/bronze valves are not recommended for this use.

†The valves are suitable for British Gas Applications Family Gases 1, 2 and 3. ††Suitable in applications where moisture is completely absent

Ballorex Venturi dynamic valves

COMPONENT	PS902S, PT902S, 902S, XT902
Body	DZR brass
Spindle	DZR brass
Venturi	DZR brass
End connection	Gunmetal body (PS902S)
End connection 'O' ring	EPDM (PS902S)

Ballorex Venturi commissioning valves

COMPONENT	PS900S, PT900S, 900S, 900SC, XT900
Body	DZR brass
Spindle	DZR brass
Venturi, ball, needle	DZR brass, chrome plated
Seals	PTFE
'O' rings	EPDM
Handle	Polyamide
Measuring P/T plug	DZR brass
End connection	Gunmetal body (PS900S)
End connection 'O' ring	EPDM (PS900S)
End connection	DZR brass body (PT900S)
End connection 'O' ring	EPDM (PT900S)
Grab ring	Stainless steel, SS316 (PT900S)
Compression nut	Forged brass, chrome plated (900SC)
Compression cone	Brass (900SC)

Ballorex Venturi double regulating valves

COMPONENT	PS901S, PT901S, 901S, 901SC, 901XS, XT901
Body	DZR brass
Spindle	DZR brass
Ball adjusting screw	DZR brass, chrome plated
Gaskets	PTFE
'O' rings	EPDM
Handle	Polyamide
End connection	Gunmetal body (PS901S)
End connection 'O' ring	EPDM (PS901S)
End connection	DZR brass body (PT901S)
End connection 'O' ring	EPDM (PT901S)
Grab ring	Stainless steel, SS316 (PT901S)
Compression nut	Forged brass, chrome plated (901SC)
Compression cone	Brass (901SC)

Ballorex Venturi double regulating valves

COMPONENT	901XS
Body	Cast iron, fully lugged
Venturi pipe	Carbon steel
Measuring P/T plug	DZR brass
Rubber in P/T plug	EPDM
Disc	Stainless steel
Shaft	Stainless steel
Backing ring	EPDM
Drive pin	Stainless steel
Shaft seal	NBR 1
Bearing	Lubricated bronze
End connection	Gunmetal body (PS1200)
End connection 'O' ring	EPDM (PS1200)
Compression nut	Forged brass, chrome plated (1200SC)
Compression cone	Brass (1200SC)

Ballorex Venturi commissioning valves

COMPONENT	900XS
Body	Cast iron, fully lugged
Disc	Stainless steel
Shaft	Stainless steel
Backing ring	EPDM
Drive pin	Stainless steel
Shaft seal	NBR 1
Bearing	Lubricated gunmetal

Double regulating valves

COMPONENT	V952, V952V
Body	Ductile iron
Bonnet	Ductile iron
Disc	Ductile iron, EPDM Coated
Disc nail	Brass
'O' ring	EPDM
Stem	Stainless steel
Gasket	Graphite
Handwheel	Carbon steel (50-100)
Handwheel	Ductile iron (125-200)
Test point	DZR Brass (V952V)

PEGLER

Technical data
Materials specification

Double regulating valves

COMPONENT	PS1200, 1200, 1200C, XT1200
Body	GDCBr. BSEN 1982, CC 752S
Bonnet	EBB. BSEN 12164, CW 617N
Spindle	EBB. BSEN 12164, CW 617N
Disc	EBB. BSEN 12164, CW 617N
Gland	Packing Piece EBB, BSEN 12164, CW 617N
'O' rings	EPTO
Circlip	Carbon spring steel
Adjustment screw	EBB. BSEN 12164, CW 617N
Seals	EPTO
Handle	30% Glass filled nylon 66
Set screw	Brass
End connection	Gunmetal body (PS1200)
End connection 'O' ring	EPDM (PS1200)
Compression nut	Forged brass (1200SC)
Compression cone	Brass (1200SC)

Metering stations

COMPONENT	PS1250, PT1250, 1250, 1250C, XT1250
Body	GDCBr. BSEN 1982, CC 752S
Test point	DZR brass
Seals	EPDM
Orifice plate	
End connection	Gunmetal body (PS1250)
End connection 'O' ring	EPDM (PS1250)
End connection	DZR brass body (PT1250)
End connection 'O' ring	EPDM (PT1250)
Grab ring	Stainless steel, SS316 (PT1250)
Compression nut	Forged brass, chrome plated (1250C)
Compression cone	Brass (1250C)

Commissioning valves

COMPONENT	PS1260, 1260, 1260C, XT1260
Body	GDCBr. BSEN 1982, CC 752S
Bonnet	EBB. BSEN 12164, CW 617N
Spindle	EBB. BSEN 12164, CW 617N
Disc	EBB. BSEN 12164, CW 617N
Gland	Packing Piece EBB. BSEN 12164, CW 617N
'O' rings	EPTO
Orifice plate	EBB. BSEN 12164, CW 617N
Circlip	Carbon spring steel
Adjustment screw	EBB. BSEN 12164, CW 617N
Test points	DZR brass
Seals	EPTO
Handle	30% Glass filled nylon 66
Set screw	Brass
End connection	Gunmetal body (PS1260)
End connection 'O' ring	EPDM (PS1260)
Compression nut	Forged brass (1260C)
Compression cone	Brass (1260C)

Stainless steel metering station

COMPONENT	V953
Body	Stainless steel
Test point	DZR brass
Extension	Stainless steel

Steel metering stations

COMPONENT	Venturi cast iron metering stations
Body	Cast iron
Venturi	Carbon steel
Test points	DZR brass
Seal and cap seal	EPDM

Quarter turn ball valves

COMPONENT	*PB700, PB700T*
Body	Forged brass, chrome plated (¼" to 2")
	Gravity die cast brass, chrome plated (2½" to 4")
End piece	Forged brass, chrome plated (¼" to 2")
	Gravity die cast brass, chrome plated (2½" to 4")
Ball	Brass bar, chrome plated (¼" to ½")
	Forged brass, chrome plated (¾" to 2")
	Gravity die cast brass, chrome plated (2½" to 4")
Stem	Brass bar
Seats	PTFE (Teflon)
Thrust washer	PTFE (Teflon)
Stem 'O' ring	Viton
Lever handle	High temperature PVC insulated zinc plated steel
Nut (self locking)	Zinc plated steel
Tee handle	Aluminium, painted
Security screws	Nickel plated brass

Circulation valves

COMPONENT	*P603, P605, P604, P606*
Body	Gunmetal
Valve washer	EPM/PTFE
Adjuster	EPP, B2
Thermal actuator	Gunmetal
Drain valve body	Gunmetal
Valve outlet	Gunmetal

Quarter turn ball valves

COMPONENT	*PS550, PS550T, PT550, PT550T, XT550, PS550EL, XT550EL*
Body	DZR brass
Ball	Brass, chrome plated
Seat/thrust washer	PTFE (Teflon)
Stem 'O' ring	Viton
Lever handle	High temperature PVC insulated
Nut (self locking)	Zinc plated steel
Tee handle	Aluminium, painted
Security screws	Nickel plated brass
Stem	DZR brass
End connection	Gunmetal body (PS550/PS550T) (15 to 54) (15 to 28)
End connection 'O' ring	EPDM (PS550/PS550T) (15 to 54) (15 to 28)
End connection	DZR brass body (PT550/PT550T) (15 to 54) (15 to 28)
End connection 'O' ring	EPDM (PT550/PT550T) (15 to 54) (15 to 28)
Grab ring	Stainless steel, SS316 (PT550/PT550T) (15 to 54) (15 to 28)
Sleeve	Brass (EL)
Ext Stem	Brass (EL)
Fixing screw	Steel (EL)
Washer	Brass (EL)

Quarter turn ball valves

COMPONENT	*PS500, PT500, PB500, PS500T, PT500T, PB500EL, PB500T, XT500*
Body	Forged brass, chrome plated (¼" to 2")
	Gravity die cast brass, chrome plated (2½" to 4")
End piece	Forged brass, chrome plated (¼" to 2")
	Gravity die cast brass, chrome plated (2½" to 4")
Ball	Brass bar, chrome plated (¼" to ½")
	Forged brass, chrome plated (¾" to 2")
	Gravity die cast brass, chrome plated (2½" to 4")
Stem	Brass bar
Seats	PTFE (Teflon)
Thrust washer	PTFE (Teflon)
Stem 'O' ring	Viton
Lever handle	High temperature PVC insulated zinc plated steel
Nut (self locking)	Zinc plated steel
Tee handle	Aluminium, painted
Security screws	Nickel plated brass
End connection	Gunmetal body (PS500/PS500T) (15 to 54) (15 to 28)
End connection 'O' ring	EPDM (PS500/PS500T) (15 to 54) (15 to 28)
End connection	DZR brass body (PT500/PT500T) (15 to 54) (15 to 28)
End connection 'O' ring	EPDM (PT500/PT500T) (15 to 54) (15 to 28)
Grab ring	Stainless steel, SS316 (PT500/PT500T) (15 to 54) (15 to 28)
Sleeve	Brass (EL)
Ext Stem	Brass (EL)
Fixing screw	Steel (EL)
Washer	Brass (EL)

Quarter turn ball valves

COMPONENT	*PB560, PB560EXT*
Body	DZR brass
Tee handle	Aluminium, painted
Strainer mesh	Stainless steel
Exterior sleeve	PA6.6 - 20% GF
Securing screws	Iron, chrome plated
Stem extension	CW614N
Ball	Brass, chrome plated
Stem	DZR brass
'O' ring	EPDM
Ball seat	PTFE (Teflon)

PEGLER

Technical data
Materials specification

Quarter turn ball valves

COMPONENT	PB550DR, PB550DR T, PB550DR LS, PB550EL
Body	DZR brass
Ball	Brass, chrome plated
Stem	DZR brass
Stem 'O' ring	Viton
Seat rings	PTFE (Teflon)
Lever handle	Steel
Tee handle	Aluminium, painted (PB550DR T)
Lever nut self locking	Zinc plated steel
Tee handle security screw	Nickel plated brass
Lockshield dust cap	Plastic (PB550DR LS)
Lockshield	Brass
Lockshield security screw	Brass
Sleeve	Brass (EL)
Ext Stem	Brass (EL)
Fixing screw	Steel (EL)
Washer	Brass (EL)

Quarter turn ball valves

COMPONENT	PB300, PB300T
Body	Forged brass, chrome plated
End piece	Forged brass, chrome plated
Ball	Brass bar, chrome plated (15mm)
	Forged brass, chrome plated (22 to 54mm)
Stem	Brass bar
Seats	PTFE (Teflon)
Stem 'O' ring	Viton
Lever handle	High temperature PVC insulated zinc plated steel
Nut (self locking)	Zinc plated steel
Tee handle	Aluminium, painted
Security screws	Nickel plated brass
Compression nut	Forged brass, chrome plated
Compression cone	Brass

Quarter turn ball valves

COMPONENT	PB350, PB350T, PB350LS, PB350EL
Body	DZR brass
Ball	Brass, chrome plated
Stem	Brass
Stem 'O' ring	Viton
Seat rings	PTFE (Teflon)
Lever handle	Steel
Lever nut self locking	Zinc plated steel
Tee handle	Aluminium, painted (PB550DR T)
Tee handle security screw	Nickel plated brass
Lockshield cap	Plastic
Lockshield	Brass
Lockshield security screw	Brass
Compression nut	Brass
Compression cone	Brass
Sleeve	Brass (EL)
Ext Stem	Brass (EL)
Fixing screw	Steel (EL)
Washer	Brass (EL)

Quarter turn ball valves

COMPONENT	PB50, PB50HU, PB52HU
Body	Brass, chrome plated
Cap	Brass, chrome plated
Ball	Brass, chrome plated
Ball seal	PTFE (Teflon)
Spindle	Brass, chrome plated
Spindle seal	NBR
Hose pipe	Brass, chrome plated
Hose nut	Brass, chrome plated
Hose union 'O' ring	NBR
Lever	Steel (PB50HU, PB50)
	Cast aluminium, painted black (PB52HU)
Lever nut	Brass
Lever securing screw	Brass, chrome plated
Lever grip	PVC
Gland nut	Brass, chrome plated
Flow straightener	Polyethylene

Quarter turn ball valves

COMPONENT	*PB100*
Body	Forged brass, chrome plated
End piece	Forged brass, chrome plated
Ball	Brass, chrome plated
Stem	Brass
Seats	PTFE
Lever handle	Dip-coated on CP steel
Handle nut	Steel
Friction washer	PTFE
'O' rings	Nitrile rubber

Quarter turn ball valves

COMPONENT	*1111BV*
Body	Forged brass, nickel plated
Body cap	Forged brass, nickel plated
Ball	Forged brass, chrome plated
Ball seal	PTFE
Stem	Brass, nickel plated
Lever	Steel, PVC coated
Nut	Steel, nickel plated

Ballomax steel ball valves

COMPONENT	*PB1000, PB1001, PB1002, PB1003, PB1004*
Body	Steel
Ball	Stainless steel
Seat	PTFE
Friction packing	PTFE, 20% C
'O' ring	EPDM, viton
Female end	Steel
Back up spring	Spring steel
Back up ring	Stainless steel
Neck ring, handle	Steel
Intermediate ring	Stainless steel
Stop pin	Steel hardened
Cap nut	Steel
Spindle guide	Steel
Spindle	Stainless steel

Gate valves

COMPONENT	*1072*
Body	Gunmetal
Bonnet	Gunmetal
Stem	Gunmetal
Wedge	Gunmetal
Stem ring	Gunmetal
Gland	Brass bar
Gland nut	Brass bar
Handwheel	Aluminium
Handwheel nut	Brass bar
Gland packing	PTFE
Rating disc	Aluminium

Gate valves

COMPONENT	*PS1070/125, PT1070/125, 1070/125*
Body	Gunmetal
Bonnet	Forged brass (¼" to 3")
	Gravity die cast brass (4")
Stem	Brass bar
Wedge	Brass
Stem ring	Brass bar
Gland	Brass bar
Gland Nut	Brass bar (¼" to 1")
	Forged brass (1¼" to 4")
Handwheel	Aluminium
Handwheel nut	Brass bar
Gland packing	PTFE
Rating disc	Aluminium
End connection	Gunmetal body (PS1070/125) (15 to 54)
End connection 'O' ring	EPDM (PS1070/125) (15 to 54)
End connection	DZR brass body (PT1070/125) (15 to 54)
End connection 'O' ring	EPDM (PT1070/125) (15 to 54)
Grab ring	Stainless steel SS316 (PT1070/125) (15 to 54)

PEGLER

Technical data
Materials specification

Gate valves

COMPONENT	PS1070/125LS, PT1070/125LS, 1070/125LS
Body	Gunmetal
Bonnet	Forged brass (¼" to 3")
	Gravity die cast brass (4")
Stem	Brass bar
Wedge	Brass
Stem ring	Brass bar
Gland	Brass bar
Gland Nut	Brass bar (¼" to 1")
	Forged brass (1¼" to 4")
Handwheel	Aluminium
Handwheel nut	Brass bar
Gland packing	PTFE
Rating disc	Aluminium
Lockshield	Brass
End connection	Gunmetal body (PS1070/125, PS1070/125 LS) (15 to 54)
End connection 'O' ring	EPDM (PS1070/125, PS1070/125 LS) (15 to 54)
End connection	DZR brass body (PT1070/125, PT1070/125 LS) (15 to 54)
End connection 'O' ring	EPDM (PT1070/125, PT1070/125 LS) (15 to 54)
Grab ring	Stainless steel SS316 (PT1070/125, PT1070/125 LS) (15 to 54)

Gate valves

COMPONENT	PS1068, PS1068LS, PT1068, PT1068LS, 1068, 1068LS, XT1068, XT1068LS
Body	Forged brass (¼" to 2")
	Gravity die cast brass (2½" to 4")
Bonnet	Forged brass (¼" to 3")
	Gravity die cast brass (4")
Stem	Brass bar
Wedge	Forged brass (¼" to 2½")
	Gravity die cast brass (3" & 4")
Stem ring	Brass bar
Gland	Brass bar
Gland nut	Brass bar (¼" to 1")
	Forged brass (1¼" to 4")
Handwheel	Aluminium
Handwheel nut	Brass bar
Gland packing	PTFE
Rating disc	Aluminium
Lockshield	Brass bar
End connection	Gunmetal body (PS500/PS500T) (15 to 54) (15 to 58)
End connection 'O' ring	EPDM (PS500/PS500T) (15 to 54) (15 to 58)
End connection	DZR brass body (PT500/PT500T) (15 to 54) (15 to 58)
End connection 'O' ring	EPDM (PT500/PT500T) (15 to 54) (15 to 58)
Grab ring	Stainless steel SS316 (PT500/PT500T) (15 to 54) (15 to 58)

Gate valves

COMPONENT	PS1078, 1078, PS1078LS, 1078LS
Body	DZR brass
Bonnet	DZR brass
Stem	DZR brass
Wedge	DZR brass
Stem ring	DZR brass
Gland	Brass bar
Gland Nut	Brass bar
Handwheel	Aluminium
Handwheel nut	Brass
Gland packing	PTFE
Rating disc	Aluminium
Lockshield	Brass
End connection	Gunmetal body (PS1078, PS1078LS)
End connection 'O' ring	EPDM (PS1078, PS1078LS)

Gate valves

COMPONENT	1065
Body	Forged brass
Bonnet	Forged brass
Stem	Brass bar
Wedge	Forged brass
Gland nut	Brass bar
Handwheel	Aluminium
Handwheel nut	Brass bar
Rating disc	Aluminium
'O' rings	Nitrile rubber

Gate valves

COMPONENT	*63, 63LS*
Body	Forged brass
Bonnet	Forged brass
Stem	Brass bar
Wedge	Brass
Stem ring	Brass bar
Gland	Brass bar
Gland nut	Brass bar (15 and 22mm)
	Forged brass (28 to 54mm)
Handwheel	Aluminium
Handwheel nut	Brass bar
Rating disc	Aluminium
Lockshield	Brass bar (Prestex 63LS)
Compression nut	Forged brass, chrome plated
Compression cone	Brass

Gate valves

COMPONENT	*V951*
Body	Cast iron
Bonnet	Cast iron
Bonnet gasket	EPDM
Stem	Steel
Wedge	Cast iron
Wedge nut	Brass
Gland packing	Brass
Gland follower	Ductile iron
Packing	Graphite non asbestos
Stuffing box	Cast iron
Stuffing box gasket	Graphite non asbestos
Handwheel	Cast iron
Yoke joint	Cast iron
Yoke sleeve	Gunmetal

Gate valves

COMPONENT	*K416GM, K416GMLS*
Body	Gunmetal
Bonnet	Gunmetal
Stem	Gunmetal
Gland nuts	Brass
Gland	Brass
Packing flange and bolts	Gunmetal
Handwheel	Aluminium
Nameplate	Aluminium
Handle screw	Steel
Compression nut	Brass
Compression cone	Brass

Gate valves

COMPONENT	*V950*
Body	Ductile iron
Body seat ring	Gunmetal
Bonnet	Ductile iron
Bonnet gasket	EPDM
Stem	Stainless steel
Wedge	Ductile iron
Wedge trim	Gunmetal
Wedge nut	Gunmetal
Gland flange	Ductile iron
Gland	Ductile iron
Gland packing	Graphite non asbestos
Stuffing box	Ductile iron
Stuffing box gasket	Compressed graphite
Handwheel	Ductile iron

PEGLER

Technical data
Materials specification

Globe valves

COMPONENT	1029
Body	Gunmetal
Bonnet	Forged brass
Stem	Brass bar
Disk holder	Brass bar
Disk ring	Brass bar
Disk	Glass filled PTFE
Disk nut	Brass bar
Gland	Brass bar
Gland nut	Brass bar
Packing	PTFE
Handwheel	Aluminium
Handwheel nut	Brass bar
Rating disc	Aluminium

Globe valves

COMPONENT	1031
Body	Gunmetal
Bonnet	Forged brass
Stem	Brass bar
Disk ring	Brass bar
Disk	Brass bar
Gland	Brass bar
Gland nut	Brass bar
Packing	PTFE
Handwheel	Aluminium
Handwheel nut	Brass bar
Rating disc	Aluminium

Check valves

COMPONENT	PS1060A, PT1060A, 1060A
Body	Gunmetal
Cap	Forged brass (¼" to 2")
	Gunmetal (2½" to 4")
Valve	Gunmetal
Swinger	Brass bar (¼" to 1")
	Gunmetal (1¼" to 4")
Swinger pin	Brass bar
Swinger pin cap	Brass bar (2½" to 4")
Nut	Brass bar
Rating disc	Tinned iron sheet
End connection	Gunmetal body (PS1060A) (15 to 54)
End connection 'O' ring	EPDM (PS1060A) (15 to 54)
End connection	DZR brass body (PT1060A) (15 to 54)
End connection 'O' ring	EPDM (PT1060A) (15 to 54)
Grab ring	Stainless steel, SS316 (PT1060A) (15 to 54)

Check valves

COMPONENT	1039
Body	Gunmetal
Cap	Forged brass
Valve	Brass bar
Rating Disc	Aluminium

Check valves

COMPONENT	1062
Body	Forged brass (½" to ¾")
	Gravity die cast brass (1")
Cap	Forged brass
Swinger	Brass bar
Swinger pin	Brass bar
Bush	Brass bar
Valve	Brass bar
Nut	Brass bar
Rating disc	Aluminium

Check valves

COMPONENT	1063
Body	Brass
Pin	ABS
Pin washer	ABS
Sealing washer	EPDM
Spring	Stainless steel

Check valves

COMPONENT	0015YA, 0015ZA
Body	DZR brass
Ball	Nickel plated DZR brass
'O' Rings	EPDM
Compression nut	Brass
Compression cone	Brass

Check valves

COMPONENT	K424
Body	DZR brass
Non-return valve	Nylon
Circlip	Stainless steel
Washer	DZR brass
Compression nut	Brass
Compression ring	Brass

Check valves

COMPONENT	K4426
Body	DZR brass
Test plug	DZR brass
Non-return valve	Nylon
Test plug seal 'O' ring	WRAS approved elastnor
Circlip	Stainless steel
Washer	DZR copper alloy

Check valves

COMPONENT	K4424, K4424CP
Body	DZR brass, chrome plated
Check valve	Nylon
Test plug	DZR brass
Test plug seal 'O' ring	WRAS approved elastnor
Circlip	Stainless steel
Washer	DZR Brass
Compression nut	Brass, chrome plated
Compression ring	Brass

Check valves

COMPONENT	1064
Body	Brass
Pin	ABS
Pin washer	ABS
Sealing washer	EPDM
Spring	Stainless steel
Filter	Stainless steel
Filter/body connection	ABS

Check valves

COMPONENT	V914
Body	Cast iron
Body seating	Gunmetal
Disc	Cast iron
Disc assembly	Cast iron
Disk facing ring	Gunmetal
Disc nut	Brass
Cover	Cast iron
Cover gasket	Graphite non asbestos
Hinge pin	Stainless steel
Hinge pin plug	Brass
Hinge	Ductile iron
Stop pin	Stainless steel
Seat	EPDM
Seat ring	Gunmetal
Gasket	Asbestos free
Springs	Stainless steel

PEGLER

Technical data
Materials specification

Check valves

COMPONENT	V909
Body	Cast iron
Hinge pin	Stainless steel
Disc	Stainless steel
Seat	NBR
Stop pin	Stainless steel
Pin retainers	Stainless steel
Plate	Stainless steel
Spring	Stainless steel
Washer	PTFE
Gasket	EPDM

Check valves

COMPONENT	V911
Body	Stainless steel
Plate	Stainless steel
Seal	EPDM
Lifting eye	Stainless steel

Check valves

COMPONENT	V912
Body	Cast iron
Cap	Cast iron
Cover	Cast iron
Strainer	Stainless steel
Seal	Fibre TesnitBA-U
Screen	Stainless steel
Gasket	Teflon/graphite
Plug	Brass

Strainers

COMPONENT	V954, PS954
Body	Gunmetal
Cap	Gunmetal
Screen	Stainless steel
Screw tapping caps	Brass
Plugs	DZR brass
Gasket	Asbestos free

Strainers

COMPONENT	PS913, PT913, V913
Body	Gunmetal
Cap	Gunmetal
Screen	Stainless steel
Gasket	Asbestos free (non stick)
End connection	Gunmetal body (PS913)
End connection ‘O’ ring	EPDM (PS913)
End connection	DZR brass body (PT913)
End connection ‘O’ ring	EPDM (PT913)
Grab ring	Stainless steel, SS316 (PT913)

Ball valve bib taps

COMPONENT	PB50 HU, PB50, PB52 HU
Body	Brass
Cap	Brass
Ball	Brass (PB50 HU, PB50)
	Brass, chrome plated (PB52 HU)
Ball seal	PTFE
Spindle	Brass
Spindle seal	NBR
Hose pipe	Brass
Hose nut	Brass
Hose union ‘O’ ring	NBR
Lever	A3 steel (PB50 HU, PB50)
	Cast aluminium, painted black (PB52 HU)
Lever nut	Brass
Lever securing screw	Brass, chrome plated
Lever grip	PVC
Gland nut	Brass
Flow straightener	Polyethylene

Miscellaneous

COMPONENT	*1832*
Body	Gunmetal
Plug	Gunmetal
Gland	Brass bar (½" and ¾")
	Forged brass (1")
Bolt	Brass bar
Gland Packing	PTFE
Lever	Cast iron
Pipe	Brass bar
Boss	Brass bar (½")
	Forged brass (¾" and 1")
Cap	Brass bar
'O' ring	WRAS approved rubber
Washer	Akulon (¾" and 1")
Strap	Nylon 6

Miscellaneous

COMPONENT	*PB60HU*
Body	DZR brass
Cap	Brass bar
Hose union pipe	Brass
Strap	Nylon 6
Tee handle	Aluminium, painted
Locking screw	Brass
'O' ring	Viton
Stem	DZR brass
Ball	Brass

Miscellaneous

COMPONENT	*833GM, 833GMLS*
Body	Gunmetal
Headwork	Brass
Spindle	Brass
Washer	EPDM
Spindle 'O' ring	EPDM
Cap 'O' ring	EPDM
LS cover	Brass

Ballofix isolating ball valves

COMPONENT	*3205YA, 3350YA, 3450YA, 3550YA, 3200YA, 3210YA, 3310YA, 3410YA, 3510YA, 5060BA, 5045CA, 33504BGA, 5095CA, 5095BA, 3381YA, 3481YA, 3581YA, 3331YA, 3431YA, 3375YA, 3380YA, 1581YA*
Body	DZR brass
Ball	DZR brass, nickel plated
'O' Rings	EPDM nitrile (33504BGA)
Compression nut	Forged brass
Compression cone	Brass

Ballofix isolating ball valves

COMPONENT	*3390ZA, 3205ZA, 3250ZA, 3350ZA, 3450ZA, 3200ZA, 3310ZA, 3410ZA, 3510ZA, 4381ZA, 4481ZA, 6381ZA, 6481ZA, 3381ZA, 3481ZA, 3581ZA, 3331ZA, 3380ZA, 1581ZA*
Body	DZR brass, chrome plated
Ball	DZR brass, nickel plated
'O' rings	EPDM
Handle	Nylon PA6.6 (30% glass reinforced)
Compression nut	Forged brass, chrome plated
Compression cone	Brass

Ballofix isolating ball valves

COMPONENT	*3381YP, 3481YP, 3381YP, 3331YP, 3380YP*
Body	DZR brass
Ball	DZR brass, nickel plated
'O' rings	EPDM
Compression nut	Forged Brass
Compression cone	Brass

Ballofix isolating ball valves

COMPONENT	*4381ZP, 6381ZP, 3381ZM, 3381ZP, 3331ZP, 3380ZP*
Body	DZR brass, chrome plated
Ball	DZR brass, nickel plated
'O' rings	EPDM
Handle	Nylon PA6.6 (30% glass reinforced)
Compression nut	Forged brass, chrome plated
Compression cone	Brass

PEGLER

Technical data
Materials specification

Ballofix service valves

COMPONENT	3140YA, 3160YA
Body	DZR brass
Ball	DZR brass, nickel plated
'O' rings	EPDM
Compression nut	Forged brass
Compression cone	Brass

Ballofix service valves

COMPONENT	3140ZA, 3160ZA
Body	DZR brass, chrome plated
Ball	DZR brass, nickel plated
'O' rings	EPDM
Compression nut	Forged brass, chrome plated
Compression cone	Brass

Ballofix service valves

COMPONENT	3140ZP
Body	DZR brass, chrome plated
Ball	DZR brass, nickel plated
'O' rings	EPDM
Handle	Nylon PA6.6 (30% glass reinforced)
Compression nut	Forged brass, chrome plated
Compression cone	Brass

Ballofix filter valves

COMPONENT	33615ZA, 346227ZA, 5035CA
Body	DZR brass, chrome plated
Ball	DZR brass, nickel plated
'O' rings	EPDM
Compression nut	Forged brass, chrome plated
Compression cone	Brass

Ballofix filter valves

COMPONENT	33615ZP
Body	DZR brass, chrome plated
Ball	DZR brass, nickel plated
'O' rings	EPDM
Handle	Nylon PA6.6 (30% glass reinforced)
Compression nut	Forged brass, chrome plated
Compression cone	Brass

Ball valve

COMPONENT	TX490L
Body	DZR brass, chrome plated
Ball	Brass ball, chrome plated
Lever	Steel PVC covered
Lever nut	Steel
Ball seal	PTFE
End connection	DZR brass, chrome plated
End connection 'O' ring	EPDM
Grab ring	Stainless steel, SS316

Automatic air vent

COMPONENT	775
Body	Brass
Float	Polypropylene
Big cap	Brass
'O' ring 1	NBR
Plastic bonnet	Polyacetalic
End cap	Brass
Rubber seal	NBR
Spring link	Stainless steel, SS302
Plastic disc	Polyacetalic
'O' ring 2	NBR 70 shore
Check valve body	Brass
Spring	Stainless steel, SS302
Plastic bore	Polypropylene
'O' ring 3	NBR 70 shore

Butterfly valves

COMPONENT	V907, V907G
Body	Cast iron
Shaft	Stainless steel
Disc	Stainless steel
Bushes up to 100mm	PTFE
Bushes up to 125mm	Gunmetal
'O' ring	EPDM
Liner	Nitrile

Butterfly valves

COMPONENT	*V906, V906G, V905, V905G*
Body	Ductile iron
Shaft	Stainless steel
Disc	Stainless steel
Bushes up to 100mm	PTFE
Bushes up to 125mm	Gunmetal
'O' ring	EPDM
Liner	EPDM

Ballomax ball valves valves

COMPONENT	*PB1005, PB1006*
Body	Steel
Ball	Steel
Bottom	Steel
Cover disc	Steel
Key	Steel
Back up ring	Steel
Plan bearing	Steel bush with PTFE
Seger circlip	Spring steel
Back up ring seat packing	PTFE
Spindle	Steel
Spindle guide	Steel
Spiral spring	Steel

Materials selection

Avoiding stress corrosion cracking (SCC)

Pegler Yorkshire do not recommend the use of brass valves and fittings in chilled water applications.

SCC occurs occasionally in Brass valves and Compression fittings, where high levels of stress in the component combined with a corrosive environment can cause cracks to form and grow.

High stresses are most commonly introduced by over-tightening compression nuts and threaded connections and for this reason it is very important that joints are assembled exactly in accordance with the published instructions.

The most common corrosive environment for brass items contains ammonia, or ammoniacal compounds.

These can be found in cleaning fluids, refrigeration gases, sewage waste products, building materials, insulating materials (especially foams) and flame and smoke retardant treatments. In addition, the presence of moisture, particularly condensation, can further concentrate the corrosive effects of such an environment.

SCC can be avoided completely by selecting items made from copper or gunmetal. Where this is not feasible SCC can be avoided by ensuring joints are not over-tightened during assembly and are then isolated from a potentially corrosive environment by wrapping it in a vapour barrier or coating with impermeable paint

Installation

Unpack the valve.

Check that the valve is correct for its intended use.

Check that the flow paths are clear and that the threads are clean and free from debris.

Threaded valves

Ensure that the valve is fully open during installation.

Fix the threaded pipe into a vice and apply sealing compound on to the male pipe threads.

Use sealing compounds that do not over pack the threads. Preferred materials are PTFE thread tape or suitable liquid/paste sealant.

Do not use hemp.

Screw the valve on to the pipe.

Use the spanner flats adjacent to the pipe joint being made. Do not use the flats at the opposite end of the valve.

Ensure that good quality, close fitting tools are used.

Avoid tightening to such an extent that the female end becomes permanently deformed.

Valves must not be over-tightened.

Use suitable hangers close to both ends of the valve in order to remove stresses transmitted by the pipe.

Compression ended valves

The range is designed for use with copper tube to BS EN 1057:1996 (formerly BS 2871:Part 1), BS 2871:Part 2, or stainless steel tube to BS 4127:1994.

To make a joint:

Ensure that the fitting is the correct size for the pipe being used. Cut the pipe to length, making sure that the cut is square and the pipe is not deformed. Remove any burrs from the cut ends.

EITHER

Insert the pipe into the fitting without removing the cone, ensuring that the cone is in the correct position and that the pipe makes firm contact with the stop in the body of the valve.

OR

Unscrew the cap nut and cone from the fitting. Slide the cap nut and cone onto the pipe and insert the pipe into the fitting as far as the stop.

In both cases, tighten the cap nut onto the valve until the pipe cannot be rotated by hand. A drop of light machine oil on the threads will facilitate tightening-particularly on the larger size valves.

- Over tightening will not produce a better joint, and may lead to problems in service
- Jointing compounds or sealants are not necessary with Pegler Yorkshire compression ended valves; the use of these materials could impair the efficiency of the joint and may contravene water regulations
- **Use the spanner flats on the compression nuts adjacent to the joint being made. Do not use the flats at the opposite end of the valve**
- **Ensure that good quality close fitting tools are used**
- **Avoid tightening to such an extent that the compression nuts become permanently deformed**
- **Valve compression nuts must not be over tightened**
- Cap nuts are made from brass
- The valve should be operated from fully open to fully closed to test that it has been correctly installed
- Make sure that a ball valve is fully open during installation.

The Pressure Equipment Directive 97/23/EC & CE Marking

The Pressure Equipment Regulations 1999 (SI 1999/2001) have now been introduced into United Kingdom law. Valves with a maximum allowable pressure greater than 0.5 bar are covered by these new Regulations. Valves are categorised according to their maximum working pressure, size and rising level of hazard. The level of hazard varies according to the fluid being carried. Fluids are classified as Group 1 ,dangerous fluids or Group 2, all other fluids including steam. The categories designated are SEP (sound engineering practice). Valves up to and including 25mm (1") are designated SEP regardless of the fluid group. Those identified as having increased hazard are categorised as, I, II, III or IV. All valves designated as SEP do not bear the CE mark nor require a Declaration of Conformity. Categories I, II, III or IV carry the CE mark and require a Declaration of Conformity. Valves classified from the piping chart would not be included in Category IV.

CE Marking and the Atex Directive 94/9/EC

Concerning equipment and protection systems intended for use in potentially explosive atmospheres. This has been implemented in United Kingdom law by the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmosphere Regulations 1996(31 1996/192) and amended by The Equipment and Protective Systems (amendment) Regulations 2001 (SI2001/3766). The regulations apply to all valves where each valve: a) has its own potential source of ignition. b) operates in a potentially explosive atmosphere created by:

i) the presence of air/dust mixtures external to the valve.

ii) the presence of gases, vapours, mists released from the valve through leakage.

The regulations will not apply to a valve without a potential source of ignition, which operates in a dust free environment and the fluid being transported is cold, inert gas or non-flammable liquid. The requisite level of protection for valves not exempt from the regulations is defined as Group II category 2 and shall bear the following markings: ⟨Ex⟩ II 2 GD X

Valve selection

Selection, storage and protection

Valves must be properly selected for their intended service conditions. Provided it is installed correctly and receives adequate preventative maintenance it should give years of trouble-free service. They must be compatible with the system design, pressure and temperature requirements and must be suitable for the fluids that they are intended to carry. Interactions between metals in the pipe system and the valve must be considered as part of the valve selection.

Valves should be stored off the ground in a clean, dry, indoor area. Where desiccant bags are included with the valve these should be changed after a period of 6 months.

Pegler valves are supplied in appropriate packing to give adequate protection from damage. Cast iron and steel valves may also have end protection caps.

When Pegler valves are fitted with pressure equipment or assemblies, suitable protective devices may be required.

Pressure and temperature rating

Valves must be installed in a piping system whose normal pressure and temperature does not exceed the stated rating of the valve. The maximum allowable pressure in valves as specified in the standards is for non-shock conditions. Water hammer and impact should also be avoided.

If system testing will subject the valve to pressures in excess of the working pressure rating, this should be within the 'shell test pressure for the body' to a maximum of 1.5 times the PN rating and conducted with the valve fully opened.

It may be hazardous to use these valves outside of their specified pressure and temperature limitations and also when not used for the correct application.

Location/end-of-line service

To ensure ease of operation, adjustment, maintenance and repair, valve siting should be decided during the system design phase. To prevent imposing strain on the valve seat, pipe work and valves they must be adequately supported.

Where valves are installed for end-of-line service a blanking plug must be fitted to the downstream end of the valve. Pegler Ball, Globe, Check, Flanged Gate and Butterfly valves are not suitable for end-of-line service.

Pre-installation

Health & Safety

Before starting work on any installation a risk assessment must be made to consider the possibility of operational limits being exceeded and reduction or elimination of any potential hazards.

1. Protective clothing and safety equipment must be utilised as appropriate to the hazard presented by the nature of the process to which the valve is being installed or maintained.

2. Before installing or removing a valve the pipeline circulating pumps (when fitted) must be turned off. The pipeline must be depressurised, drained and vented. Valves must be fully opened to ensure release of any pipeline or valve pressure.

3. Fitters must be trained in manual and mechanical handling to enable them to safely lift and install Pegler valves.

4. The valve selected must be suitable for the required service conditions. The pressure and temperature limitations are indicated on the valve nameplate, body or data plate. These must not be exceeded.

5. Valve seats, seals and internal components can be damaged by system debris. Protective devices may need to be fitted and system flushing may be required.

6. Any flushing fluid used to clean the pipeline must not cause any damage to the valve and its components.

7. Pegler valves must not be misused by lifting them by their hand wheels, levers or stems.

8. Pegler valves are not suitable for fatigue loading, cree conditions, fire testing, fire hazard environment, corrosive or erosive service, or for carrying fluids containing abrasive solids. There is no allowance for corrosion in the design of these valves. Designs for this valve do not allow for decomposition of unstable fluids and must not be used where this could occur.

9. Pegler valves are not designed to withstand the effects of fire, wind, earthquakes and traffic.

10. All Health and Safety Rules must be followed when installing and maintaining valves.

Installation

Unpack the valve and check that the flow paths and valve connections are clean and free from debris. Check the body markings and nameplate to ensure that the correct valve has been selected for installation.

Gate valves

may be fixed in 'Vertical pipe work with stem horizontal' or 'Horizontal pipe work with stem vertical and upright'. Make sure that a gate valve is fully closed during installation.

Fitting a gate valve in the open position may cause twisting and the gate and seating may not mate properly. The valve should be operated from fully open to fully closed to test that it has been correctly installed.

The valve should not be installed in horizontal pipe work with stem horizontal because full closure may be impeded by an accumulation of system debris. Pegler Valves are manufactured to exacting standards and, therefore, should not be subjected to misuse. Gate valves in cast iron may be fitted with geared handle mechanisms with handwheel rotation for opening and closing.

Globe valves

Globe valves should be installed with the stems in a vertical position where possible. These valves perform better when there is a pressure under the valve's disk.

Gate valves and ball valves

These valves perform best when they are installed in an upright position. The direction of flow through these valves is not important. They are fitted when the valve is in an open position.

Gate valves and ball valves

These valves perform best when they are installed in an upright position. The direction of flow through these valves is not important. They are fitted when the valve is in an open position.

Horizontal check valves

Each valve body will have a directional flow arrow and this should be followed. In operation the seats will close when there is enough back flow to close off the flow and secure a seal.

Horizontal lift check valves must be installed in a level horizontal position to allow the internal valve parts to rise and fall freely according to the pressure of fluid flowing through the valve

Swing check valves

Each swing check is marked with a directional flow arrow. This should be observed and fitted in the pipe work accordingly. A swing check valve may fitted horizontally or vertically, ensuring that the arrow is pointing upwards if fitting vertically. They should not be used in close proximity to equipment with 'pulsating flow'.

Wafer Check valves

Wafer pattern swing check valves should be positioned with the hinge pin in a horizontal installation.

Directional arrows indicate the flow direction required to operate the valve.

The valve should be sited between two matching flanges with gaskets positioned on the valve faces. Bolts of the appropriate type and size should be used to complete the assembly, using nuts to make the joints water tight.

Butterfly valves

Butterfly valves should be assembled with the valve in a closed position to avoid damage to the disc edge. Butterfly valves are assembled between two mating flanges with the extended portion of the liner acting as a gasket .The flanges with the butterfly valve can be secured with the appropriate bolts and nuts to achieve a successful joint.

Thread joints

Confirm that the pipe threading length is correct to avoid excessive penetration of the pipe into the valve that would otherwise cause damage. Care should be taken to apply jointing compound to the pipe only and not in the valve threads. Surplus compound will then be forced outwards and will not enter the valve. Over use of compound can lead to valve failure on the body ends. Threads should be engaged correctly when tightening the valve onto the pipe. The wrench should always be fitted on the body end adjacent to the joint being made. Severe damage can occur to stems, valves and seats by the use of hand wheels or levers larger than those originally supplied by the manufacturer, and by wheel keys.

The Pegler range of valves now includes both push and press ends suitable for different tube connections. Installation guidance is provided with the product or available on the Pegler Yorkshire website.

Any electrical component e.g. actuators, limit switches must be explosion proof and comply with the ATEX Directive and Standards as listed in BS EN 1127-1 clause 6.4.5.

Operation

Gate valves

To open – an anti-clockwise rotation of the hand wheel will open the valve. When it will go no further return the hand wheel clockwise 1/2 turn. To close the valve a clockwise rotation of the hand wheel will close the valve. Closure will be confirmed when the handle can be turned no further.

Caution: Service applications with extremes of temperature may cause the wedge to become tight in the valve. The valve may be become stiff to operate in these circumstances. Suitable hand protection should be worn when operating valves used in extreme temperature applications. The valve should only be used in the fully open or fully closed position. Gate valves are not suitable for regulating and throttling service.

Globe valves
To open – an anti-clockwise rotation of the hand wheel will open the valve. When it will go no further return the hand wheel clockwise 1/2 turn. To close the valve a clockwise rotation of the hand wheel will close the valve. Closure will be confirmed when the handle can be turned no further.

Caution: Suitable hand protection should be worn when operating valves used in extreme temperature applications. Globe valves are suitable for regulating and throttling service.

Check valves
The Horizontal/vertical pattern check valves operate according to the flow within the pipeline and there is no external method of operation.

All check valves are self acting with some patterns having spring assisted closure.

Butterfly valves
Butterfly valves are opened by depressing the spring loaded handle, rotating the spindle through 90° from closed to open position. Cast iron commissioning and double regulating have a 'memory stop' feature to enable a closed valve to return to a pre-set position.

Ball valves
PB LEVER HANDLE To open – turn the lever 90° so that it is in line with the pipe run in which it is installed. To close – turn the lever 90° so that it is across the line of the pipe in which it is installed. Full opening and closing is completed when a full 90° is achieved and the lever is firmly set against the stop on the valve body.

PB LOCKSHIELD BALL VALVES
To open – remove dust cap. Select the appropriate cross key. Turn the key through 90° so that it is in line with the pipe run. To close – turn the key through 90° so that it is across the line of the pipe in which it is installed. Full opening and closing is complete when a 90° is achieved and the key rotation is firmly set against the stop on the valve body. Replace the dust cap.

PB T Models have lockable handles for use in both open and closed positions. In the fully open position the T handle is in line with the pipe work. To lock the valve in the open position a hexagon key of the appropriate size can be used to remove the securing screw. The T handle can then be lifted from the valve. This should then be rotated through 180° and refitted on to the valve spindle ensuring the handle slot engages on to the body lug. Insert the securing screw and re-tighten with the hexagon key.

PB SEK kits are available giving an extended spindle mechanism that lifts the lever away from the body and is particularly useful when pipe insulation is being used. This version is only available with a standard lever handle.

Caution: Service applications with extremes of temperature may cause the ball to become tight in the valve. The valve may be become stiff to operate in these circumstances. Suitable hand protection should be worn when operating valves used in extreme temperature applications. The valve should only be used in the fully open or fully closed position. Ball valves are not suitable for regulating or throttling applications.

Maintenance

A regular maintenance program is the most efficient method of ensuring longer term operational efficiency of the selected valve. Such a program would need to include a risk assessment and a planned procedure of how the maintenance will be carried out. The possibility of operational limits being exceeded and the potential hazards ensuing must be considered as part of this assessment. This should be implemented to include visual checks on the valve's condition and any development of unforeseen conditions, which could lead to failure. The correct fitting tools and equipment should be used for valve maintenance work. Separate means of draining the pipe work must be provided when carrying out any maintenance to valves. Where there may be any system debris this should be collected and/or filtered by installation of the appropriate protective device.

Gland Adjustment – The gland may need adjustment during installation and then periodically thereafter to maintain a stem gland seal.

NOTE: It is recommended that within the 1st year the gland be inspected at 3 monthly intervals to check for gland leakage.

Gland Replacement – Under normal working conditions Pegler gate and globe valves do not normally require any maintenance, however, in the event of maintenance being necessary, the following procedure should be followed:

Before starting work, de-pressurise the system, turn off any circulating pumps. Slacken the hand wheel nut and remove the nut, nameplate and hand wheel. Remove the gland nut and gland ring. Using a suitable tool, lift out the existing packing and make sure the stem and stuffing box are clean & free from debris. Care must be taken not to damage the valve stem.

Fit a replacement Pegler packing gland into the stuffing box and push down firmly.

Re-assemble the gland ring and gland nut.

Re-attach the handwheel, nameplate and nut.

Tighten the gland nut and confirm stem resistance while operating the valve. Once line pressure is re-established a check for leak tightness should be made, further adjust the gland nut as required necessary to achieve a satisfactory seal.

NB. Permanent removal of the gland nut and/or the Data. Plate will invalidate the CE compliance of this valve. Pegler Ball valves and Check valves are generally NOT suitable for maintenance.

According to valve type, gland packing and valve discs may be replaced. Valves within the scope of the ATEX Directive with a protective level defined as Group II category 2 will operate in Zone 1 (gases/ vapours) or Zone 21 (dust) designated in BS1127-1 Explosion prevention and protection. Tools are either 'single spark' e.g. screwdriver, spanner, impact screwdriver or 'shower of sparks' e.g. sawing or grinding. Only steel 'single spark' tools are permitted in Zones 1 & 21. Tools causing showers of sparks are only permissible if: a) no hazardous explosive atmosphere is present. b) dust deposits have been removed and no dust cloud is present. The use of tools on equipment in Zones 1 and 21 should be subject to a 'permit to work' system.

1029 Renewable Valve Disc Replacement. Before starting work de-pressurise the system, turn off any circulating pumps, and ensure the valve is empty of fluid. Using a suitable wrench remove the complete bonnet assembly from the valve. Care should be taken to ensure the pipework is held securely during this process so that there is no distortion to the valve threads. Any damage to the threads could lead to valve failure. Slacken and remove disc nut and disc.

Assess damage to valve seat replacing the whole valve if necessary.

The valve disc can be replaced with an equivalent size disc and type as appropriate. Re-attach a replacement disc and disc nut. Re-assemble the bonnet in to the valve body, checking for damage. Ensure the valve bonnet is joined securely to body and will not leak.

N.B. The 1029 Globe valves have non-metallic PTFE valve discs.

Installation, Operating & Maintenance Instructions are available from the Sales Office. Pegler recommended spares must be used. Refer to Pegler Technical Department for further information.

Product life span

When a valve is properly selected for its service conditions it should give years of trouble-free service provided it Is installed correctly and receives adequate preventative maintenance. By not considering the compatibility of the system design and the pressure and temperature requirements the life expectancy of the valves can be adversely affected and valve failure may occur. The nature of the fluid being carried through the valve could also affect the valve performance as this could lead to premature valve failure.

There may also be interactions between metals in the pipe system and the valve which need to be considered. Appropriate flushing and cleaning of the pIpe work Installation should take place when commissioning the system as this would help extend the valve life.

Reference Material: Pegler Valves Package Brochure. A Technical File is held at Doncaster as part of the requirements for compliance to the European Pressure Equipment Directive (PED 97/23 EC).

Ballorex Venturi dynamic valves

PED CATEGORISATION						
	Sizes					
Product	DN15 ½"	DN20 ¾"	DN25 1"	DN32 1¼"	DN40 1½"	DN50 2"
PS902S, 902S, PT902S, XT902	SEP	SEP	SEP	SEP	SEP	SEP

Ballorex Venturi commissioning valves

PED CATEGORISATION															
	Sizes														
Product	15mm DN15 ½"	18mm DN15	22mm DN20 ¾"	28mm DN25 1"	35mm DN32 1¼"	42mm DN40 1½"	54mm DN50 2"	DN65 2½"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"	DN250 10"	DN300 12"
PS900S, PT900S, 900SC, XT900	SEP	SEP	SEP	SEP	SEP	SEP	SEP	-	-	-	-	-	-	-	-
900XS	-	-	-	-	-	-	-	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Ballorex Venturi double regulating valves

PED CATEGORISATION															
	Sizes														
Product	15mm DN15 ½"	18mm DN15	22mm DN20 ¾"	28mm DN25 1"	35mm DN32 1¼"	42mm DN40 1½"	54mm DN50 2"	DN65 2½"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"	DN250 10"	DN300 12"
PS901S, PT901S, 901S, 901SC, XT901	SEP	SEP	SEP	SEP	SEP	SEP	SEP	-	-	-	-	-	-	-	-
901XS	-	-	-	-	-	-	-	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Double regulating valves

PED CATEGORISATION												
	Sizes											
Product	15mm DN15 ½"	22mm DN20 ¾"	28mm DN25 1"	35mm DN32 1¼"	42mm DN40 1½"	54mm DN50 2"	DN65 2½"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"
PC1200, 1200, 1200C, XT1200	SEP	SEP	SEP	SEP	SEP	SEP	-	-	-	-	-	-
V952	-	-	-	-	-	-	SEP	SEP	SEP	SEP	SEP	SEP

Cat I carries the CE Mark.

Commissioning valves and metering stations

PED CATEGORISATION															
	Sizes														
Product	15mm DN15 ½"	18mm DN15	22mm DN20 ¾"	28mm DN25 1"	35mm DN32 1¼"	42mm DN40 1½"	54mm DN50 2"	DN65 2½"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"	DN250 10"	DN300 12"
PS1260, 1260, 1260C, PS1250, PT1250, 1250, 1250C, XT1250, XT1260	SEP	SEP	SEP	SEP	SEP	SEP	SEP	-	-	-	-	-	-	-	-
900RM, V953	-	-	-	-	-	-	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Quarter turn ball valves

PED CATEGORISATION											
	Sizes										
Product	DN8 ¼"	DN10 ⅜"	15mm DN15 ½"	22mm DN20 ¾"	28mm DN25 1"	35mm DN32 1¼"	42mm DN40 1½"	54mm DN50 2"	DN65 2½"	DN80 3"	DN100 4"
PB700, PB700T, PB500 (yellow)	SEP	SEP	SEP	SEP	SEP	Cat I	Cat I	Cat I	Cat I	Cat I	Cat I
PB500 (red), PB500T (red)	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP
PS500, PT500, XT500	-	-	SEP	SEP	SEP	SEP	SEP	SEP	-	-	-
PS500T, PT500T, PB500T	SEP	SEP	SEP	SEP	SEP	-	-	-	-	-	-
PS550, PT550, PB550DR, PB550DR T, PB550DR LS, XT550, PB500EL, PB550EL, XT550EL, PS550EL, PB350, PB350LS, PB300, PB350EL	-	-	SEP	SEP	SEP	SEP	SEP	SEP	-	-	-
PS550T, PT550T, PB350T, PB300T	-	-	SEP	SEP	SEP	-	-	-	-	-	-
PB560, PB560EXT, PB50HU, PB52HU	-	-	SEP	SEP	-	-	-	-	-	-	
PB100	-	-	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP
1111BV	-	-	-	-	SEP	SEP	SEP	SEP	-	-	-
TX490L	-	-	SEP	SEP	-	-	-	-	-	-	-

Ballomax ball valves

PED CATEGORISATION																	
	Sizes																
Product	DN15 ½"	DN20 ¾"	DN25 1"	DN32 1¼"	DN40 1½"	DN50 2"	DN65 2½"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"	DN250 10"	DN300 12"	DN350 14"	DN400 16"	DN500 20"
PB1000, PB1001, PB1002	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III	-	-	-	-	-	-	-	-	-	-	-
PB1003	-	-	-	-	-	-	Cat III	Cat III	Cat III	-	-	-	-	-	-	-	-
PB1004	-	-	-	-	-	-	-	-	-	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III

Gate valves

PED CATEGORISATION																
	Sizes															
Product	DN8 1/4"	DN10 3/8"	15mm DN15 1/2"	18mm DN20 3/4"	22mm DN25 1"	35mm DN32 1 1/4"	42mm DN40 1 1/2"	54mm DN50 2"	67mm DN65 2 1/2"	76mm DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"	DN250 10"	DN300 12"
1072, PS1070/125, PT1070/125, 1070/125, PS1070/125LS, PT1070/125LS, 1070/125LS, PS1078, PT1078, PS1078LS, 1078LS, PS1068, PT1068, PS1068LS, PT1068LS, 1068LS, XT1068, XT1068LS, 1065, 63, 63LS, K416GMLS	-	-	SEP	SEP	SEP	SEP	SEP	SEP	-	-	-	-	-	-	-	-
1068	SEP	SEP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K416GM	-	-	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	-	-	-	-	-	-
V951, V950	-	-		-	-	-	-	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Globe valves

PED CATEGORISATION								
	Sizes							
Product	DN8 1/4"	DN10 3/8"	DN15 1/2"	DN20 3/4"	DN25 1"	DN32 1 1/4"	DN40 1 1/2"	DN50 2"
1029	SEP	SEP	SEP	SEP	SEP	Cat I	Cat I	Cat I
1031	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Check valves

PED CATEGORISATION											
	Sizes										
Product	DN8 1/4"	DN10 3/8"	15mm DN15 1/2"	22mm DN20 3/4"	28mm DN25 1"	35mm DN32 1 1/4"	42mm DN40 1 1/2"	54mm DN50 2"	DN65 2 1/2"	DN80 3"	DN100 4"
PS1060A, PT1060A	-	-	SEP	SEP	SEP	SEP	SEP	SEP	-	-	-
1060A, V914, V909, V911, V912	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP
1039, 1062, K424, K4426	-	-	SEP	SEP	SEP	SEP	SEP	SEP	-	-	-

Cat I carries the CE Mark.

PEGLER

Technical data
Pressure Equipment Directive

Strainers

	PED CATEGORISATION					
	Sizes					
Product	15/18mm DN15 ½"	22mm DN20 ¾"	28mm DN25 1"	35mm DN32 1¼"	42mm DN40 1½"	54mm DN50 2"
V954, PS954, PS913, PT913, V913	SEP	SEP	SEP	SEP	SEP	SEP

Draincocks

	PED CATEGORISATION		
	Sizes		
Product	DN15 ½"	DN20 ¾"	DN25 1"
1832, PB60HU, 833GM, 833GM LS	SEP	SEP	SEP

Butterfly valves

	PED CATEGORISATION							
	Sizes							
Product	DN65 2½"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"	DN250 10"	DN300 12"
V907, V907G, V906, V906G, V905, V905G	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Ballomax ball valves

	PED CATEGORISATION																
	Sizes																
Product	DN15 ½"	DN20 ¾"	DN25 1"	DN32 1¼"	DN40 1½"	DN50 2"	DN65 2½"	DN80 3"	DN100 4"	DN125 5"	DN150 6"	DN200 8"	DN250 10"	DN300 12"	DN350 14"	DN400 16"	DN500 20"
PB1005	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III	-	-	-	-	-	-	-	-	-	-	-
PB1006	-	-	-	-	-	-	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III	Cat III

PN6 BS EN 1092-1:1997 DN65-DN300 – V907, V907G, V951								
	Flange Diameter (mm)	Pitch Circle Diameter (mm)	No. of Bolts	Bolt Diameter (mm)	Hole Diameter (mm)	Raised Face Diameter (mm)	Raised Face Height (mm)	Thickness of Flange (mm)
DN65	160	130	4	M12	14	-	-	16
DN80	190	150	4	M16	19	-	-	18
DN100	210	170	4	M16	19	-	-	18
DN125	240	200	8	M16	19	-	-	20
DN150	265	225	8	M16	19	-	-	20
DN200	320	280	8	M16	19	-	-	22
DN250	375	335	12	M16	19	-	-	24
DN300	440	395	12	M20	23	-	-	24

PN16 BS EN 1092-1:2007 DN65-DN300 – 900XSS, 900XSL, 901XS, V905, V905G, V906, V906G								
	Flange Diameter (mm)	Pitch Circle Diameter (mm)	No. of Bolts	Bolt Diameter (mm)	Hole Diameter (mm)	Raised Face Diameter (mm)	Raised Face Height (mm)	Thickness of Flange (mm)
DN65	185	145	4 (2)	M16	19	-	-	20
DN80	200	160	8	M16	19	-	-	22
DN100	220	180	8	M16	19	-	-	24
DN125	250	210	8	M16	19	-	-	26
DN150	285	240	8	M20	23	-	-	26
DN200	340	295	12	M20	23	-	-	30
DN250	405 (2)	355	12	M24	28	-	-	32
DN300	460 (2)	410	12	M24	28	-	-	32

PN16 BS EN 1092-1:1997 DN65-DN300 – V914, V912, V950, V952								
	Flange Diameter (mm)	Pitch Circle Diameter (mm)	No. of Bolts	Bolt Diameter (mm)	Hole Diameter (mm)	Raised Face Diameter (mm)	Raised Face Height (mm)	Thickness of Flange (mm)
DN65	185	145	4 (2)	M16	19	-	-	20
DN80	200	160	8	M16	19	-	-	22
DN100	220	180	8	M16	19	-	-	24
DN125	250	210	8	M16	19	-	-	26
DN150	285	240	8	M20	23	-	-	26
DN200	340	295	12	M20	23	-	-	30
DN250	405 (2)	355	12	M24	28	-	-	32
DN300	460 (2)	410	12	M24	28	-	-	32

Technical data
Flange tables

PN16 DIN2633 DN65-DN500 – PB1006								
	Flange Diameter (mm)	Pitch Circle Diameter (mm)	No. of Bolts	Bolt Diameter (mm)	Hole Diameter (mm)	Raised Face Diameter (mm)	Raised Face Height (mm)	Thickness of Flange (mm)
DN65	185	145	4 (2)	M16	18	122	3	14
DN80	200	160	8	M16	18	138	2	20
DN100	220	180	8	M16	18	158	2	20
DN125	250	210	8	M16	18	188	2	22
DN150	285	240	8	M20	22	212	2	22
DN200	340	295	12	M20	22	268	2	24
DN250	405 (2)	355	12	M24	26	320	2	26
DN300	460 (2)	410	12	M24	26	370	2	28
DN350	520	470	16	M24	26	438	2	30
DN400	580	525	16	M27	30	490	2	32
DN500	715	650	20	M30	33	610	2	44 (2)

PN40 DIN2633 DN15-DN50 – PB1005								
	Flange Diameter (mm)	Pitch Circle Diameter (mm)	No. of Bolts	Bolt Diameter (mm)	Hole Diameter (mm)	Raised Face Diameter (mm)	Raised Face Height (mm)	Thickness of Flange (mm)
DN15	95	65	4	M12	14	45	2	16
DN20	105	75	4	M12	14	58	2	18
DN25	115	85	4	M12	14	68	2	18
DN32	140	100	4	M16	18	78	2	18
DN40	150	110	4	M16	18	88	2	18
DN50	165	125	4	M16	18	102	2	20

Press-fit connections

1. Select the correct size of tube and fitting for the job. Ensure that both are clean, in good condition and free from damage and imperfections.

2. Cut the tube square using a rotary tube cutter whenever possible. If a hacksaw is used to cut the tube, a fine toothed blade should be used, care must be taken to ensure that the tube is cut square and properly de-burred.

When using plastic coated carbon steel tube, the coating must be removed to the exact socket depth of the fitting and the tube deburred.

3. The tube end should then be wiped clean of all swarf and debris, to avoid damage to the 'O' ring upon tube insertion.

4. To make a perfect joint, the tube must be fully inserted into the fitting until it meets the tube stop.

5. Ensure that the 'O' ring is seated correctly within the fitting socket.

Jointing

1. Assemble the joint, ensuring that the tube is inserted into the connection until it meets the tube stop. The mark on the tube made earlier should be used as a guide to ensure this is the case. For plastic coated carbon steel tube, the mouth of the fitting should be in contact with the plastic coating. Only when the tube reaches the tube stop should the pressing operation be undertaken.

2. With the correctly sized jaws inserted into the press tool, place them over the bead at the mouth of the fitting. A 90° angle between tube and jaws must be maintained to ensure a sound joint is made.

3. Depressing the trigger or button will commence the compression cycle of the tool, which is complete when the jaws fully enclose the mouth of the fitting. The jaws should then be released from around the fitting. Please refer to the tool manufacturers instructions for further detailed information.

Spacing

In order to make a joint correctly sufficient clearance around each fitting must be left to allow press-fit jaws to be attached without hindrance.

For full installation details refer to XPress data book.

FITTING SOCKET DEPTHS	
Size	*Copper/Stainless/Carbon*
15mm	20mm
18mm	20mm
22mm	21mm
28mm	23mm
35mm	26mm
42mm	30mm
54mm	35mm

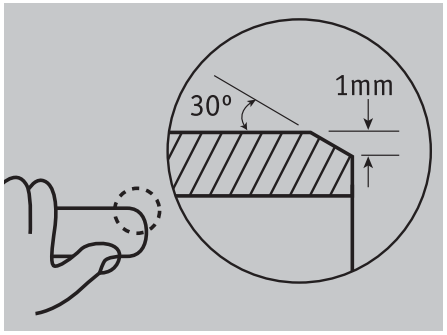
Push-fit connections

For joints 15 to 54mm

1. Always cut the tube square, using a rotary tube cutter whenever possible.

If you are using PEX or PB pipe cut the pipe using pipe shears. When using plastic coated carbon steel tube remove the coating using the S115 stripping tool.

Deburr the tube end, both internally and externally to create a 1mm chamfer on the outside of the tube.



Check the tube ends are free from damage and clean, wiping away any swarf to avoid damaging the 'O' ring on tube insertion. Tube end must also be free from stickers, tape and adhesive residues.

Where using PEX or PB you must use always insert a support liner ensuring it is the correct liner as specified by the pipe manufacturer. If the pipe has been used on previous installations you will need to cut it back to behind the teeth or score marks.

Mark the socket depth with a marker.

FITTING SOCKET DEPTHS FOR TECTITE

Size	*Sprint & Advance**	*Copper/Stainless/ Carbon*
10mm	15mm	23mm
15mm	18mm	23mm
18mm	-	23mm
22mm	19mm	27mm
28mm	20mm	31mm
35mm	31mm*	57mm
42mm	32mm*	62mm
54mm	37mm*	68mm

For chrome plated copper tube you must scribe the tube using the correct Tectite Scribing tool.

Select the correct type and size of fitting for pipework.

Push-fit solutions

The fitting should be kept in its bag until point of use to protect the 'O' ring.

2. Inspect the fitting ensuring that the grab rings/'O' rings have not been contaminated with grit or debits. Insert the pipe into the mouth of the fitting to rest against the grab ring.

3. Push the tube firmly with a slight twisting action until it reaches the tube stop.

4. Ensure the depth insertion mark corresponds with the mouth of the fitting and then pull firmly on the tube to ensure the fitting is secure.

35mm to 54mm sizes

The first thing to consider when it comes to installation of 35mm to 54mm fittings is whether you plan to demount any fittings in the system on a regular basis. If you do, then we recommend you replace the standard end cap with the appropriately sized TDX demounting end cap.

To ensure the fittings stay clean and the 'O' ring is protected from damage, never remove the fitting from its packaging until immediately prior to installation.

5. Insert the tube through the end cap to rest against the grab ring.

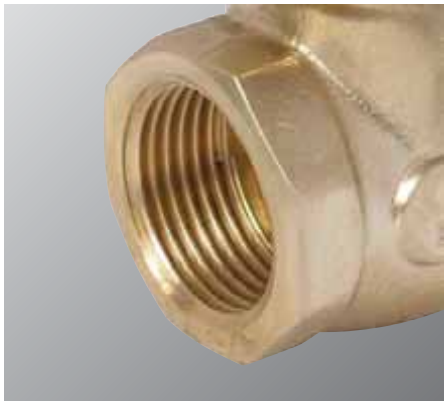
6. Now push the tube firmly with a slight twisting action until it reaches the tube stop.

7. Ensure the depth insertion mark corresponds with the mouth of the fitting, then pull firmly on the tube to ensure that the fitting is secure.

NOTE: We recommend all systems are thoroughly pressure tested to 1.5 times working pressure before the hand-over to the customer.

For full installation details refer to Tectite data book.

Threaded connections



Ensure that threads are prepared correctly to provide a good and long lasting service.

Pipe compound should be applied to pipe ends only and not directly into the valve.

Valves should not be over tightened with a wrench.

Ensure the pipe is threaded to the correct type and length. If the pipe is threaded too short a leak may occur. If the pipe is threaded too long then damage may be made to the valve.

Ensure that good quality tools are used to provide an accurate joint and therefore avoiding the risk of leaking.

Thread tape may be used and applied to the external of the pipe thread after the threads have been cleaned.

Joining the valve and pipe.

Fix the threaded pipe into a vice and then turn the valve on to the pipe.

A close fitting spanner should be applied to the valve hexagon/octagon flats being fixed. By tightening the valve onto the pipe in this way, the valve avoids being distorted with the consequential damage to internal parts.

Compression connections

1. Select the correct size of tube for the job. Ensure that it is clean, in good condition and free from damage and imperfections. If the tube is oval or damaged, use a re-rounding tool. Copper tube should be of half-hard (R250) or hard (R290) temper. Annealed soft temper tube (R220) can be used.

2. Cut the tube square using a rotary tube cutter wherever possible. If a hacksaw is used to cut the tube, a fine toothed blade should be used.

3. Remove any burr from the inside and outside of the tube ends using a fine toothed file or a S120 deburring tool from the XPress accessories range.

Connecting copper tube

There are two methods of making a compression joint.

1. Insert the tube firmly into the compression fitting, ensuring that the compression ring seats centrally and that the tube makes firm contact with the tube stop in the body of the fitting.

2. Remove the compression nut and compression ring, then put the nut and then the ring on the tube. Insert the tube end up to the fitting's tube stop. Slide the ring and the nut down to the fitting body.

3. Tighten the nut using your fingers until tight.

4. Tighten the nut further using high quality open ended or adjustable spanners. Spanner flats are incorporated into the design of the fitting bodies. The second spanner must be used to prevent the fitting rotating as the nut is tightened. For normal joint making, tighten the nut 1 turn (360°) for fittings in sizes from 6mm to 12mm, or 3/4 turn (270°) for fittings in sizes from 15mm to 54mm. A few drops of light oil on the threads will assist, especially on sizes 35mm and above. When jointing stainless steel or R220 copper tube some variation may be needed – the nut may be tightened further if necessary. Take care not to over tighten the compression nut, as this will not result in a stronger joint and could lead to problems in service.

Connecting half-hard thick walled R250 copper tube

This copper tube is significantly thicker than other varieties and special care needs to be taken during installation.

1. Ensure pipework is supported during and after installation, as thick-walled copper tube is less tolerant of stress on the joints. The pipework should be clipped as close as possible to the fittings, particularly where long runs are involved.

2. Use spanners of the correct size and length. More torque is required to tighten fittings with thick walled copper tube, and care should be taken to ensure neighbouring joints are not disturbed.

3. Apply a light oil to the threads and chamfers where possible. This will reduce assembly torque and minimise the risk of damage. This is essential on sizes above 28mm.

4. If a sealant is required, use a suitable PTFE based compound, eg. Loctite 577 or PTFE tape.

Connecting imperial copper tube

Pegler valves with compression connections can be used in maintenance applications to connect copper tube to former imperial sizes, such as BS 3931.

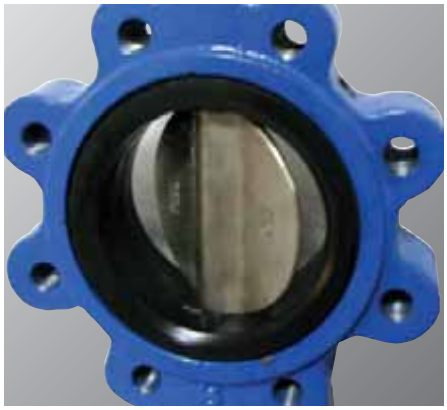
Connecting carbon steel and stainless steel tube

Stainless steel tube to BS EN 10312 (formerly BS 4127), DVGW GW541; and carbon steel tube to DIN 2394/ NEN 1982, can be jointed in sizes up to and including 28mm using Pegler compression fittings. Carbon steel tubes are for use on non potable closed circuit systems only. To achieve sound joints, the following precautions should be taken:

1. Ensure no flats or score marks are visible on the outside surface of the tube. The weld bead should not be visible.

2. A suitable jointing compound should be applied to the sealing faces prior to tightening of the compression nuts. Sealants with PTFE fillers are preferred, with PTFE tape as an alternative.

Flange connections



Flange components have their own design limitations and correct selection and compatibility is vital.

Flange material specification:

- *Pressure and temperature must not exceed its rating.*
- *Gasket selection must be in line with the rating of the flange.*
- *The fluid being handled will affect the gasket selection.*
- *All bolts must be compatible with the flange being used.*

Pipe and its mating flanges should be cleaned and made ready for assembly.

A clean and appropriate gasket should be selected for the flange type being used. Flat face and raised faces should not be mixed.

Piping should being properly supported with use of correctly sized hanging or securing brackets.

All pipes need to be aligned correctly to ensure that the valve integrity is maintained, avoiding twisting and distortion of the valve's structure and valve damage.

As the valve is assembled ensure that the bolts are placed and secured with nuts at hand tightness employing the crossover method of tightening to secure a sound joint.

Butterfly valves provide positive shut off in both flow directions. The disc profile is designed to give sealing properties at minimum torque. Raised seat profile provides positive flange seal.

Welded connections

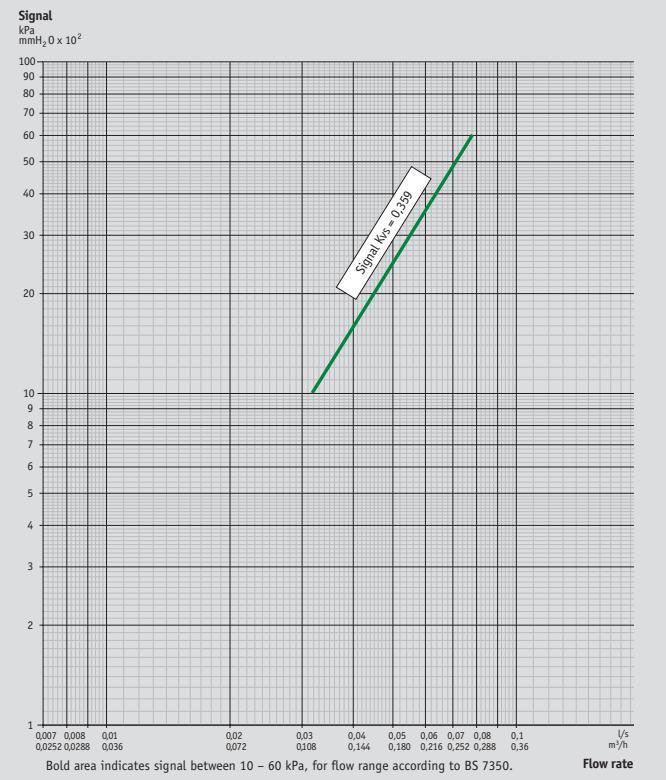
Welded joints should be made by qualified installers having carried out the requisite risk assessments and health and safety considerations.

Calculation of flow rate:

$$Q = \frac{Kvs \times \sqrt{\Delta P}}{36}$$

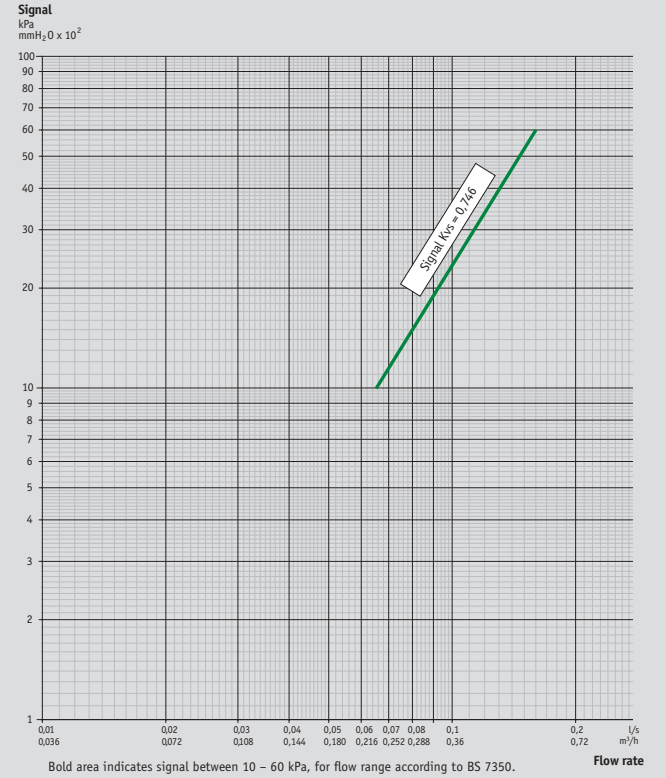
Where
Q = Flow rate (l/s)
ΔP = Signal (kPa)
Kvs = Signal coefficient

FODRV DN 15L - Low flow



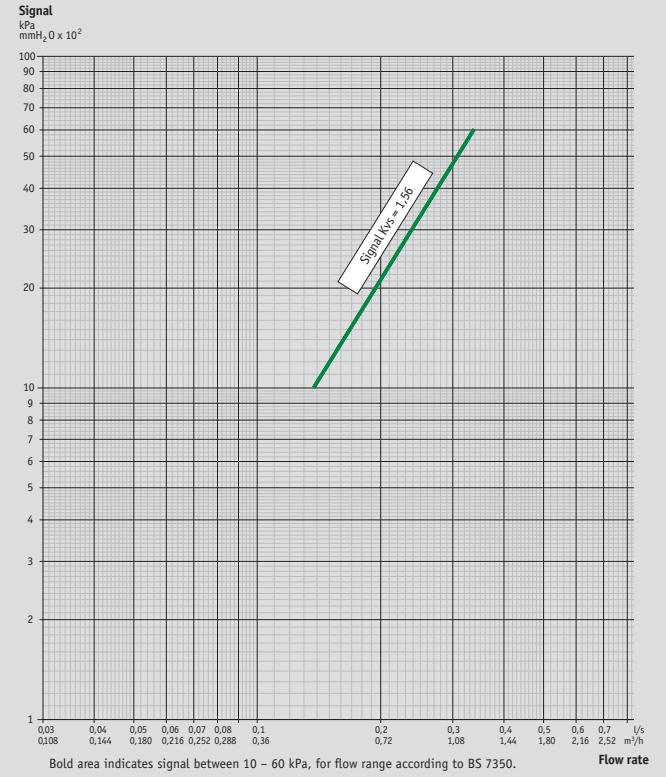
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 15S - Standard flow



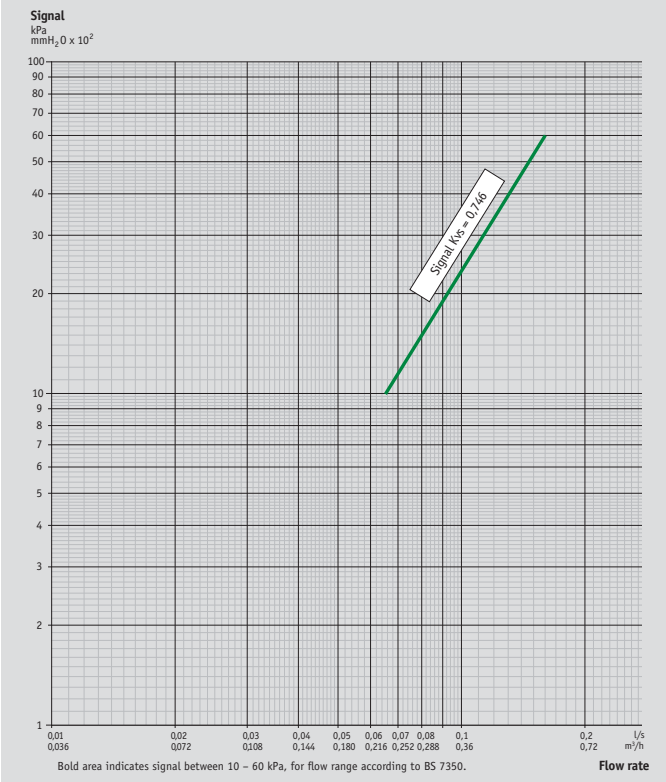
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 15H - High flow

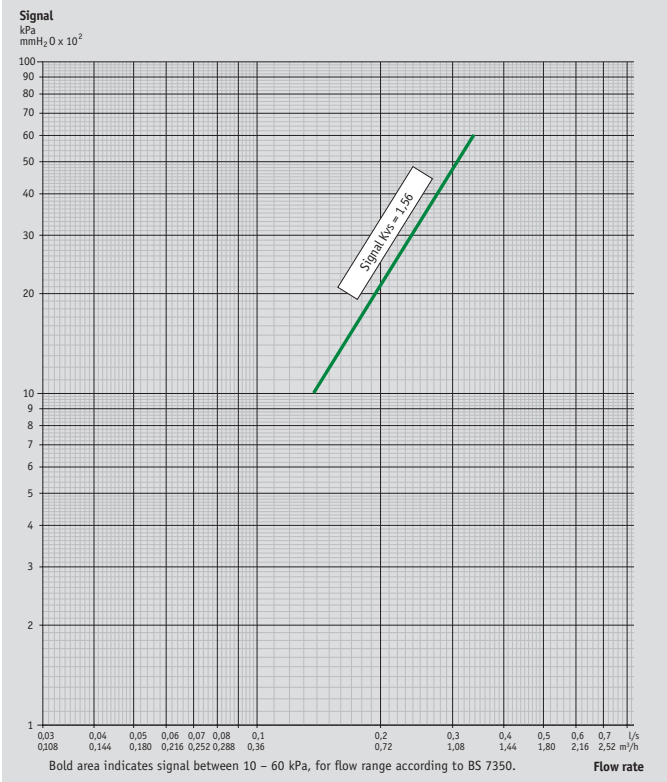


Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

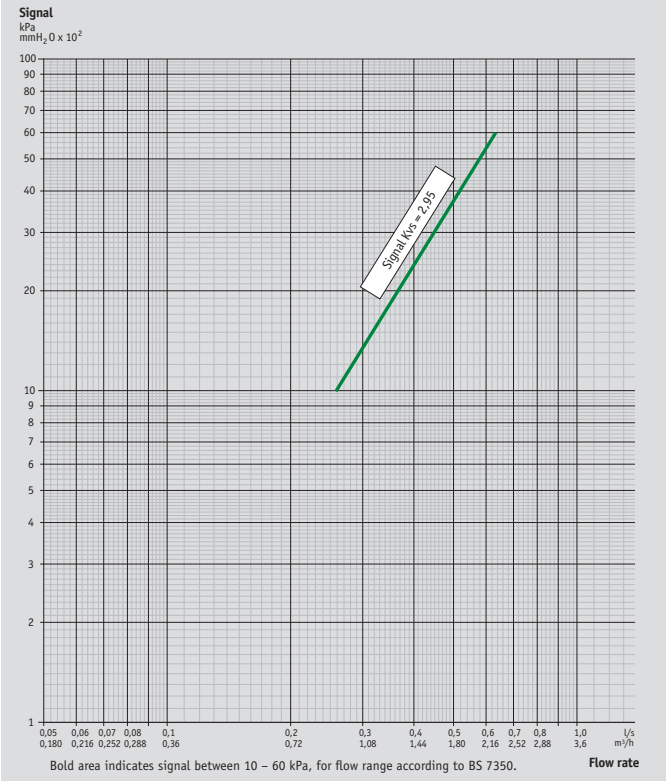
FODRV DN 20L - Low flow



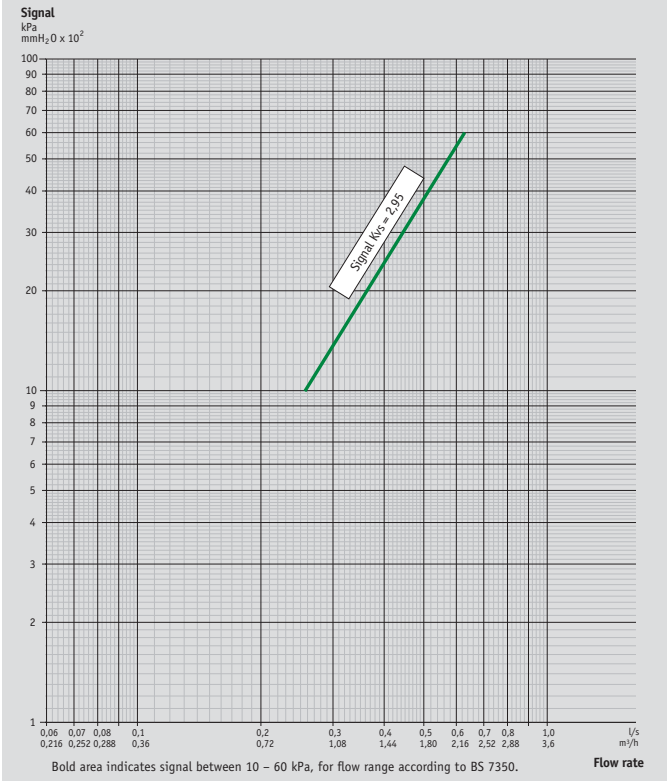
FODRV DN 20S - Standard flow



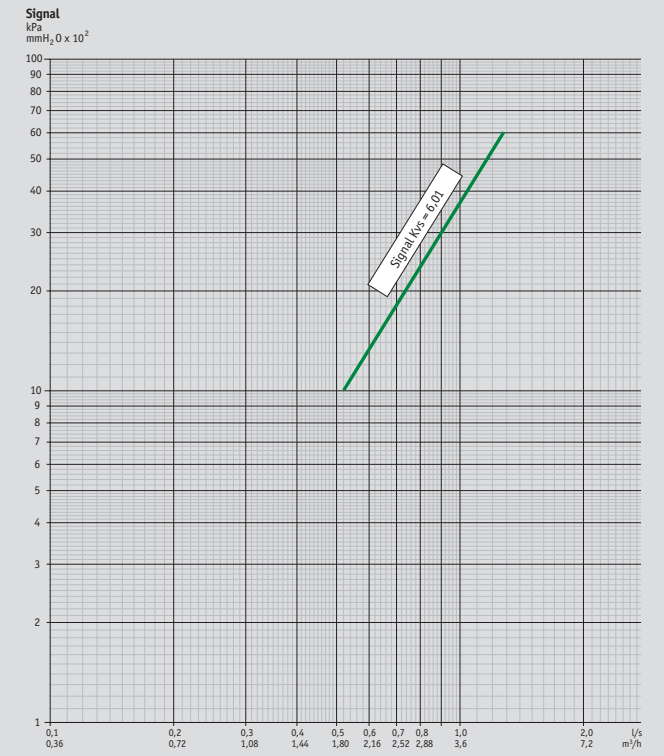
FODRV DN 20H - High flow



FODRV DN 25S - Standard flow

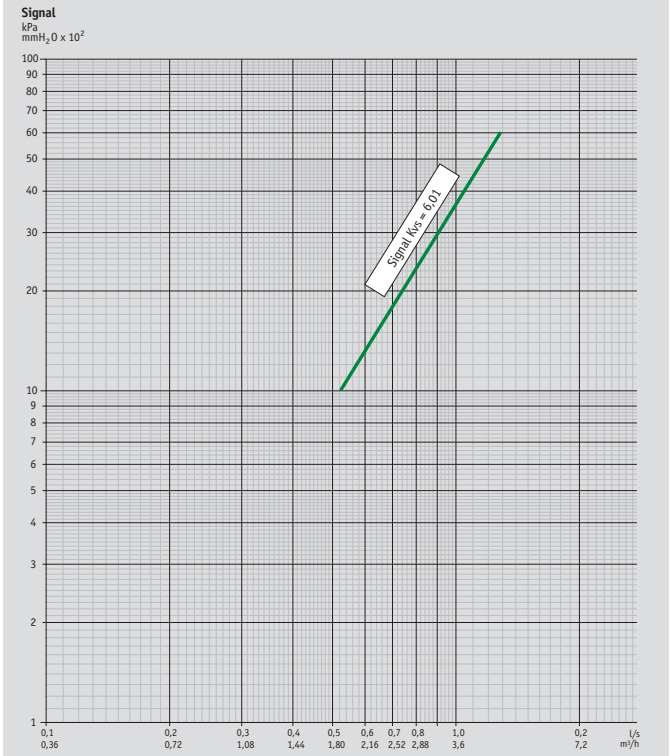


FODRV DN 25H - High flow



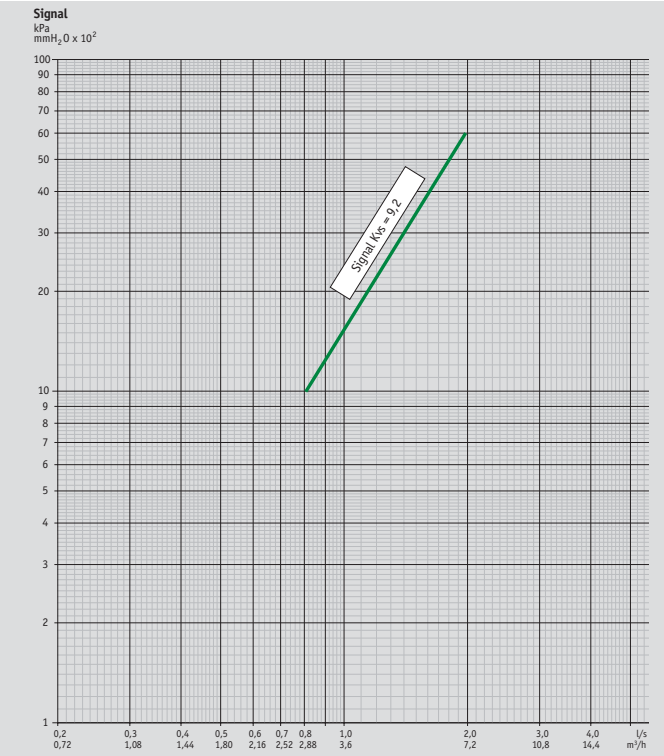
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 32H - High flow



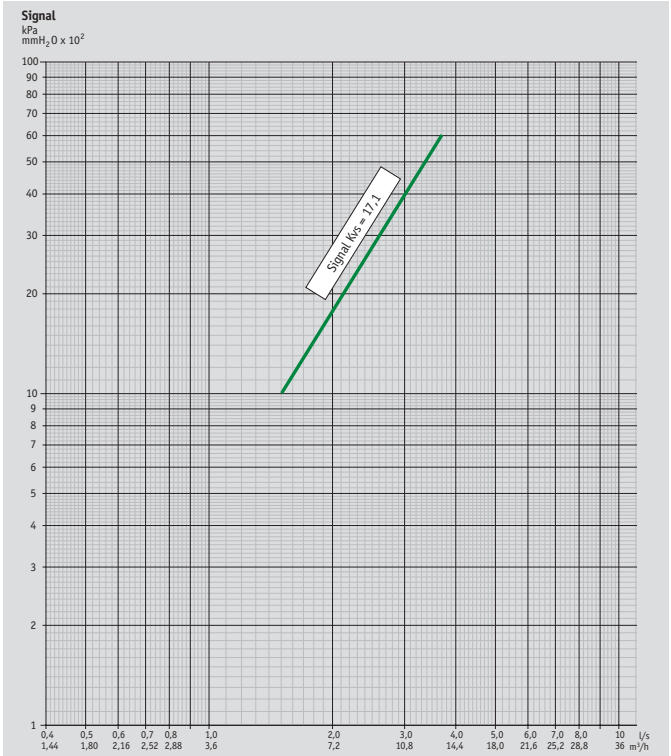
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 40H - High flow



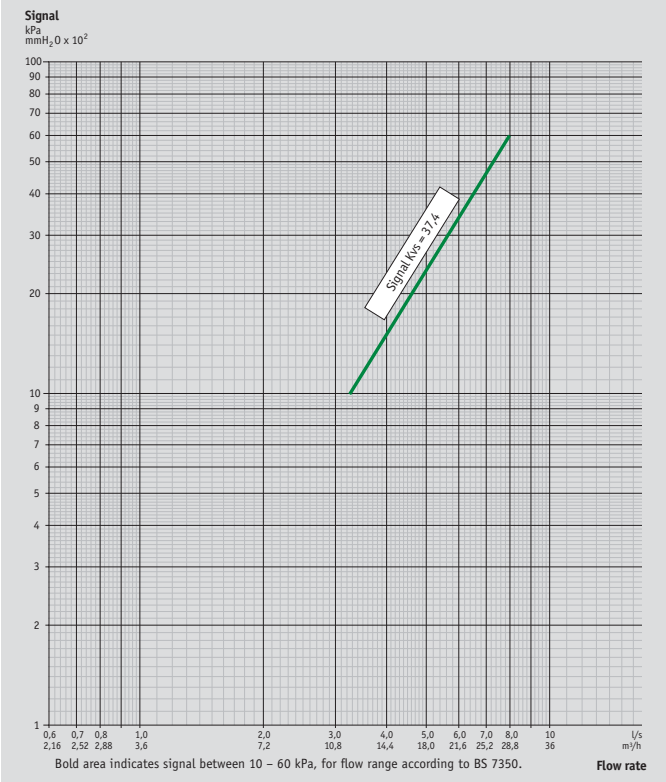
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 50H - High flow



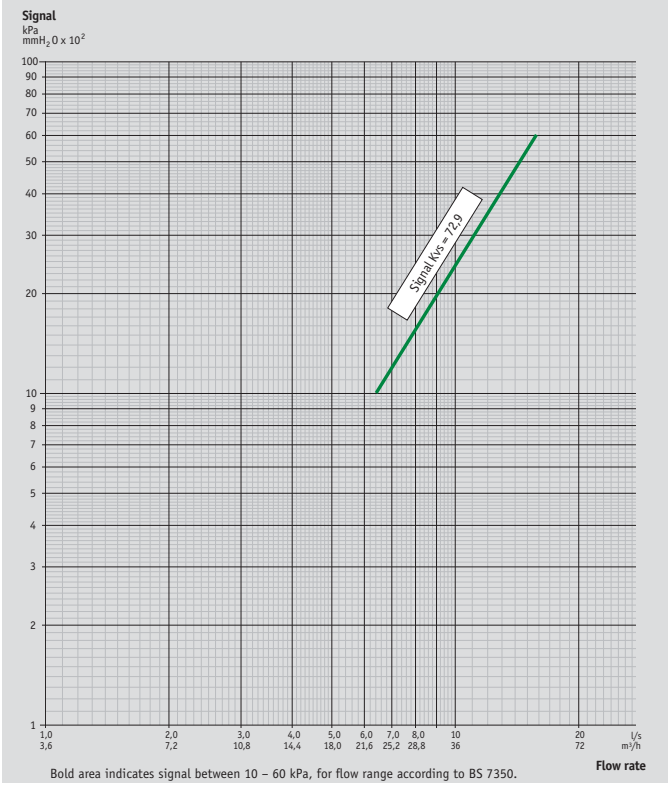
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 65 - Standard and Extended



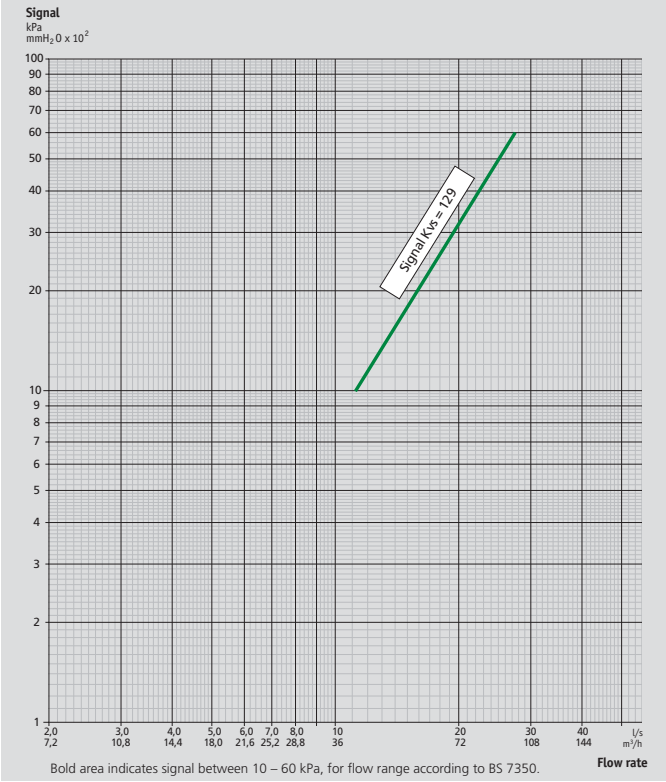
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 80 - Standard and Extended



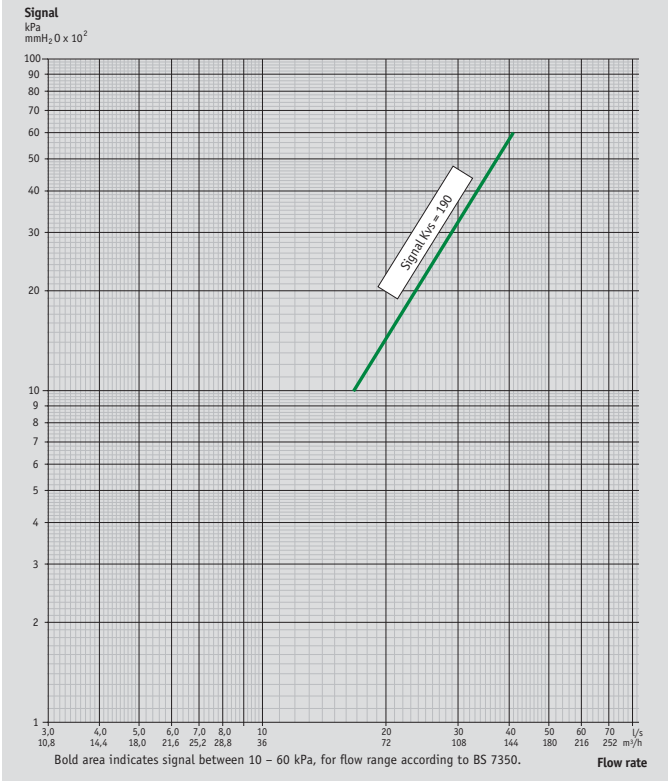
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 100 - Standard and Extended



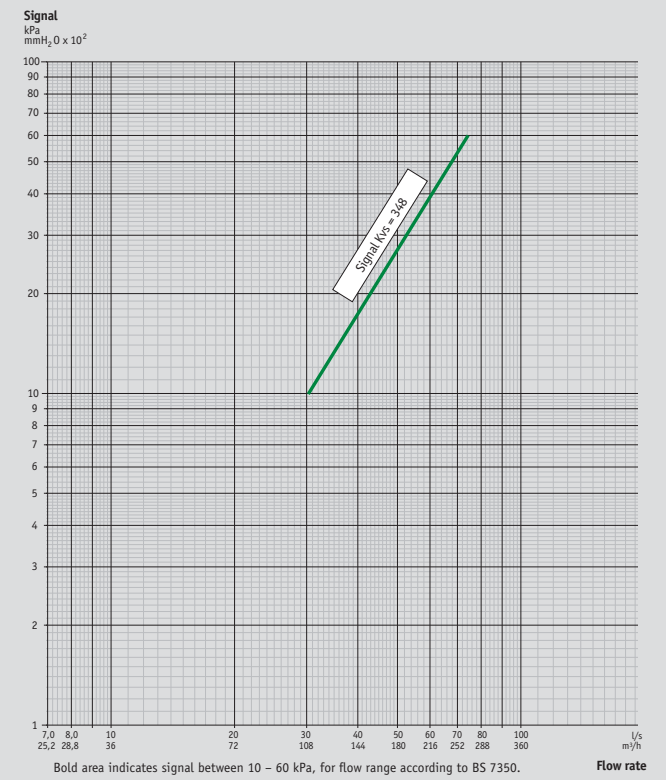
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 125 - Standard and Extended



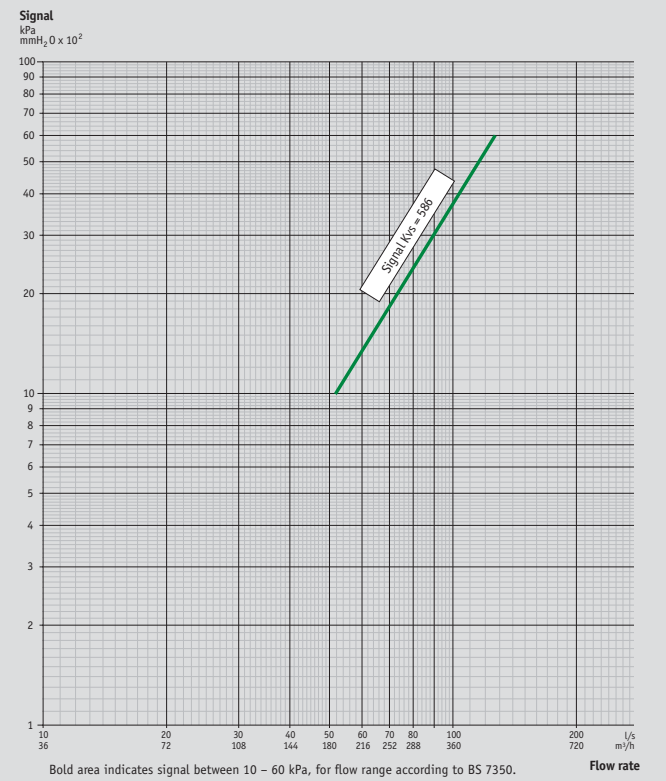
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 150 - Standard and Extended



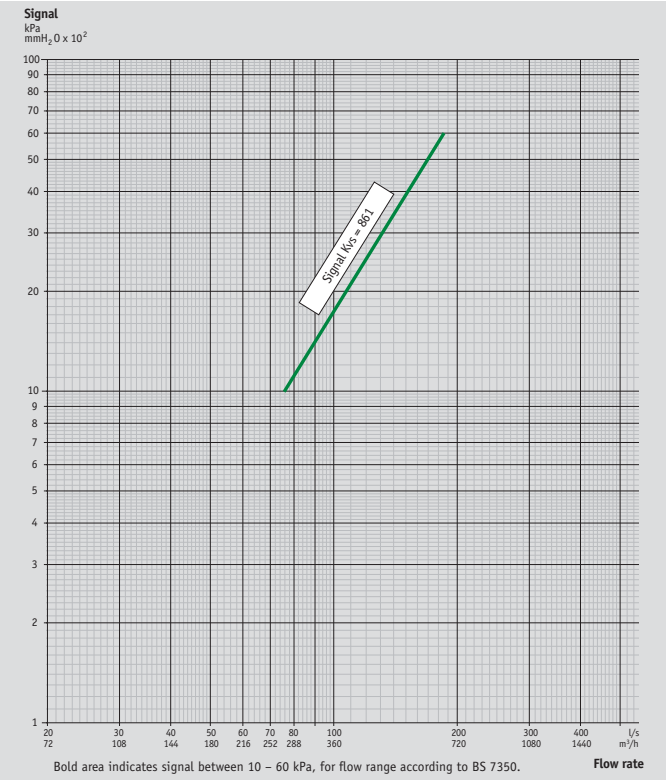
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 200 - Standard



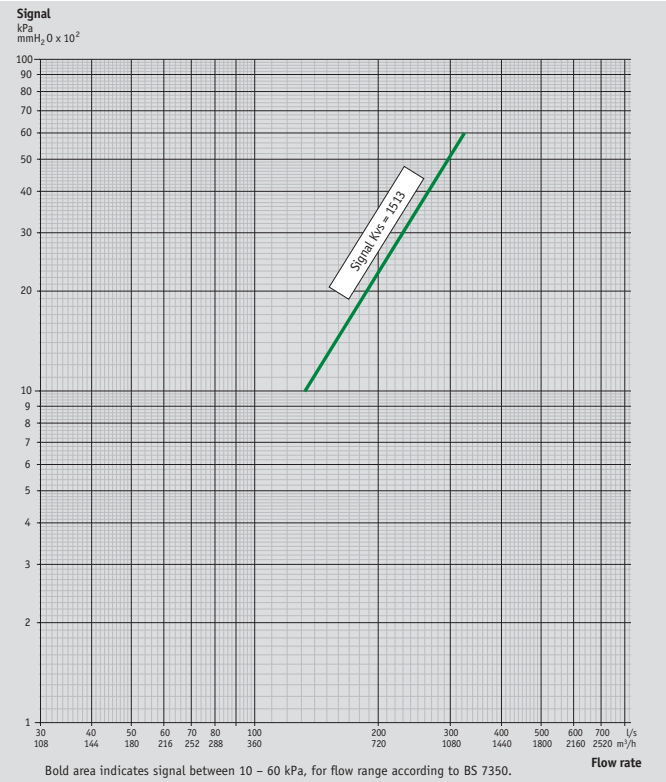
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 250 - Standard



Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV DN 300 - Standard

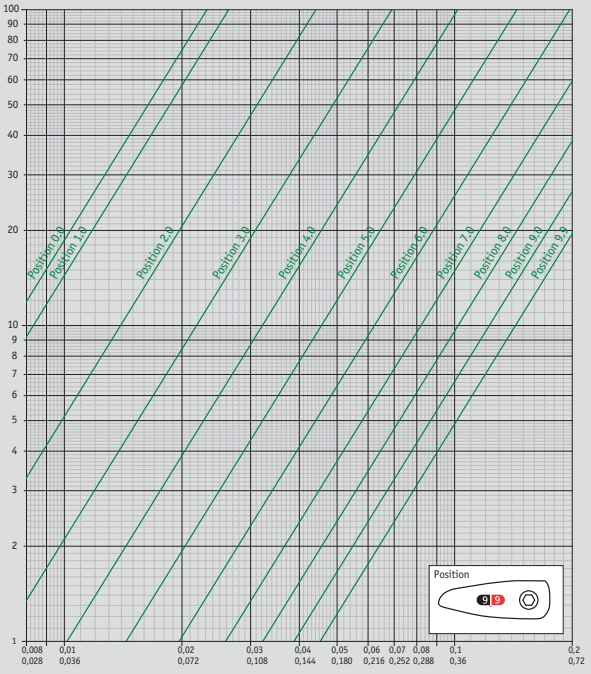


Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

PEGLER

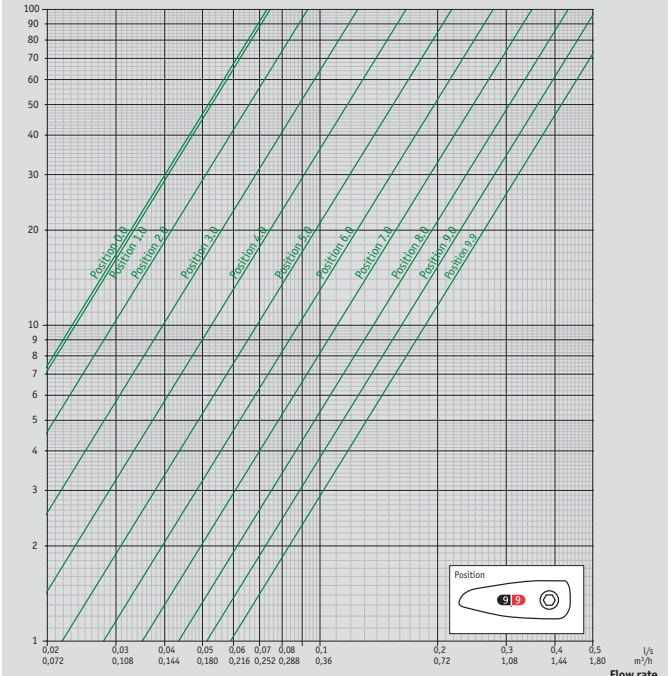
Commercial valve solutions
Ballorex Commissioning products
Flow charts

DRV DN 15L - Low flow



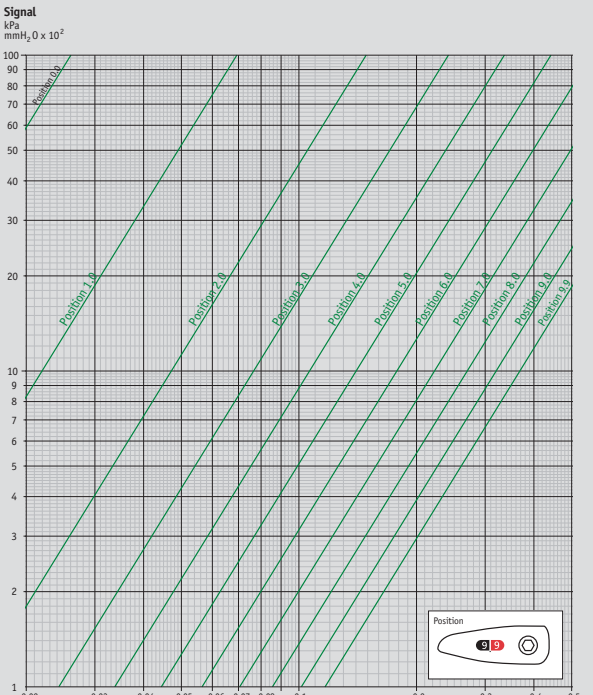
Position	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
Kv	0,083	0,095	0,159	0,248	0,365	0,519	0,712	0,932	1,16	1,40	1,62

DRV DN 15S - Standard flow



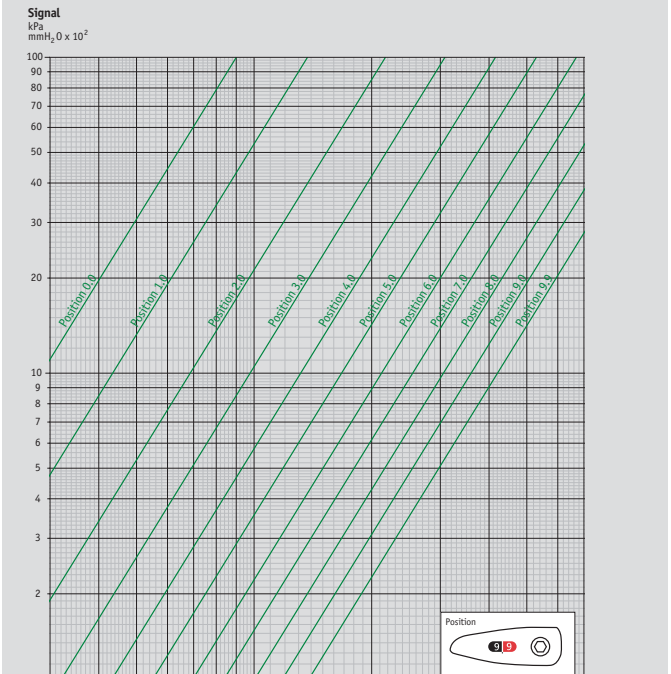
Position	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
Kv	0,261	0,267	0,334	0,449	0,601	0,785	1,00	1,26	1,55	1,86	2,11

DRV DN 20L - Low flow



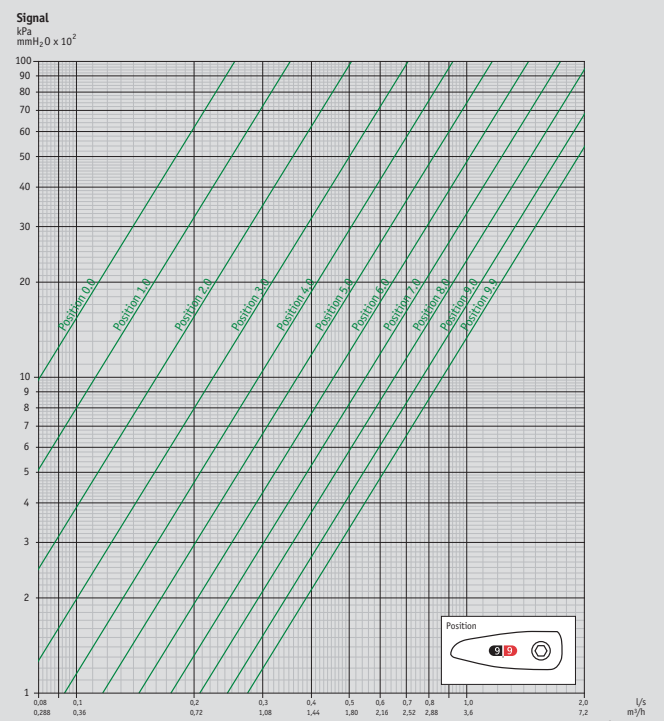
Position	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
Kv	0,094	0,250	0,541	0,870	1,22	1,60	2,03	2,53	3,07	3,67	4,26

DRV DN 20S - Standard flow



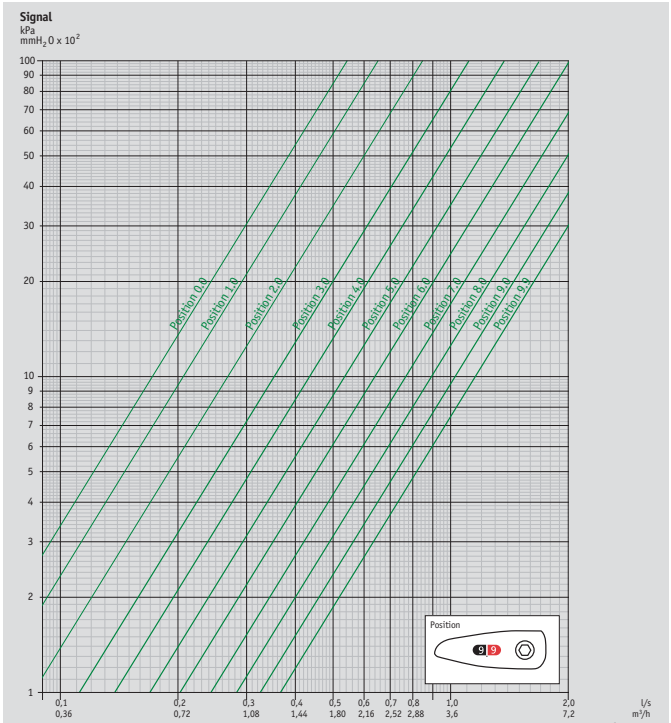
Position	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
Kv	0,325	0,494	0,778	1,12	1,50	1,93	2,41	2,93	3,48	4,10	4,81

DRV DN 25S - Standard flow



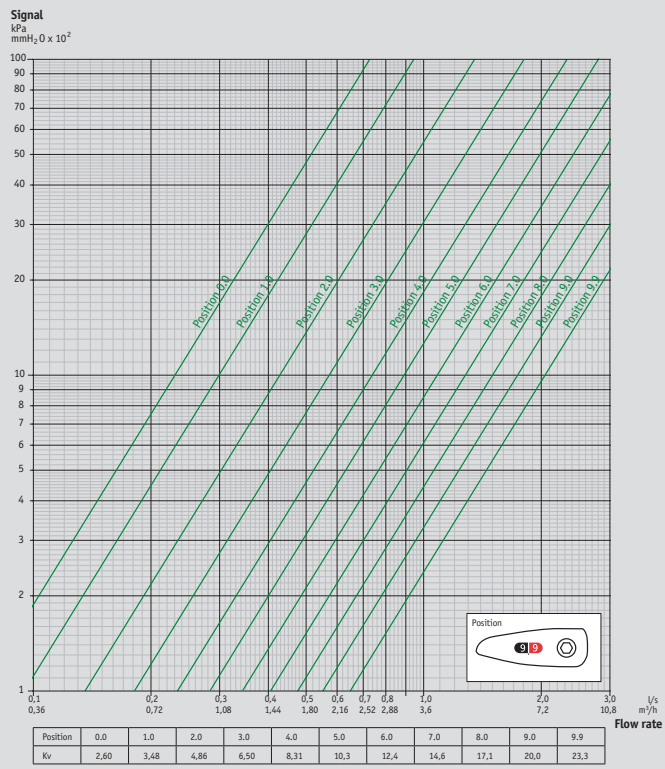
Position	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
Kv	0,921	1,26	1,86	2,58	3,38	4,24	5,21	6,29	7,49	8,78	9,94

DRV DN 32S - Standard flow



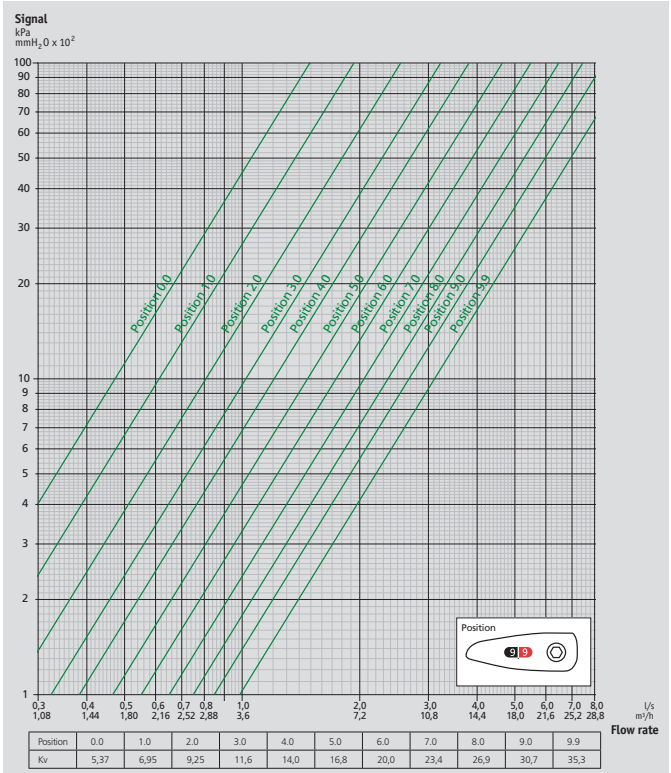
Position	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
Kv	1,95	2,32	3,05	3,97	5,00	6,12	7,36	8,70	10,1	11,7	13,3

DRV DN 40S - Standard flow



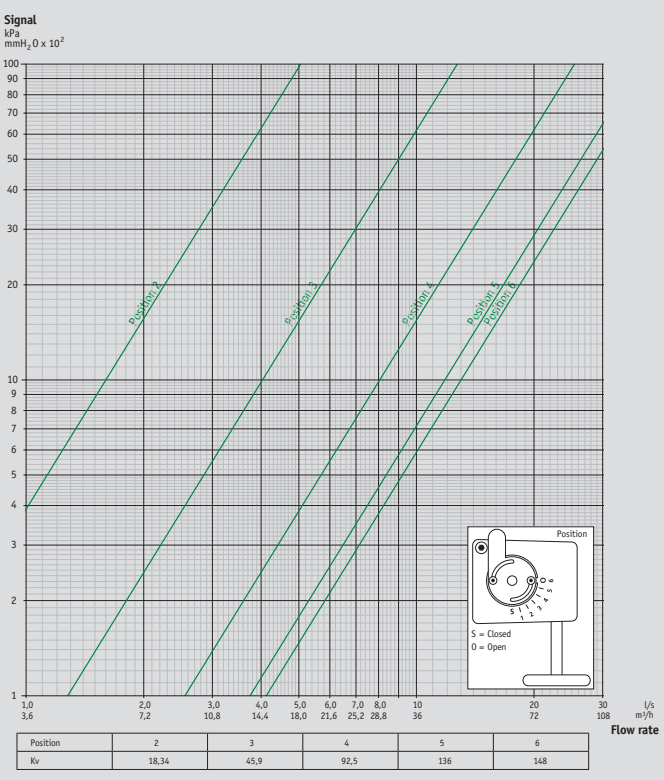
Position	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
Kv	2,60	3,48	4,86	6,50	8,31	10,3	12,4	14,6	17,1	20,0	23,3

DRV DN 50S - Standard flow



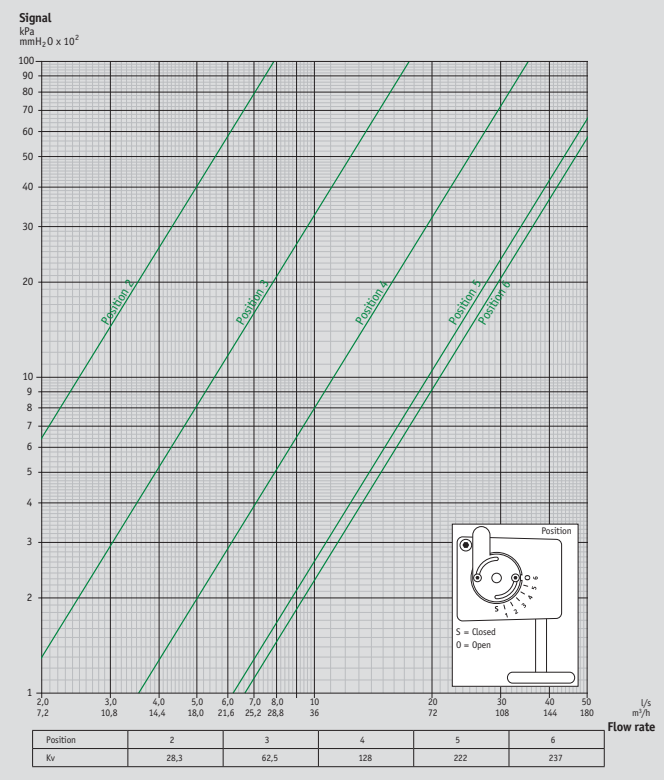
Position	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	9.9
Kv	5,37	6,95	9,25	11,6	14,0	16,8	20,0	23,4	26,9	30,7	35,3

DRV DN 65



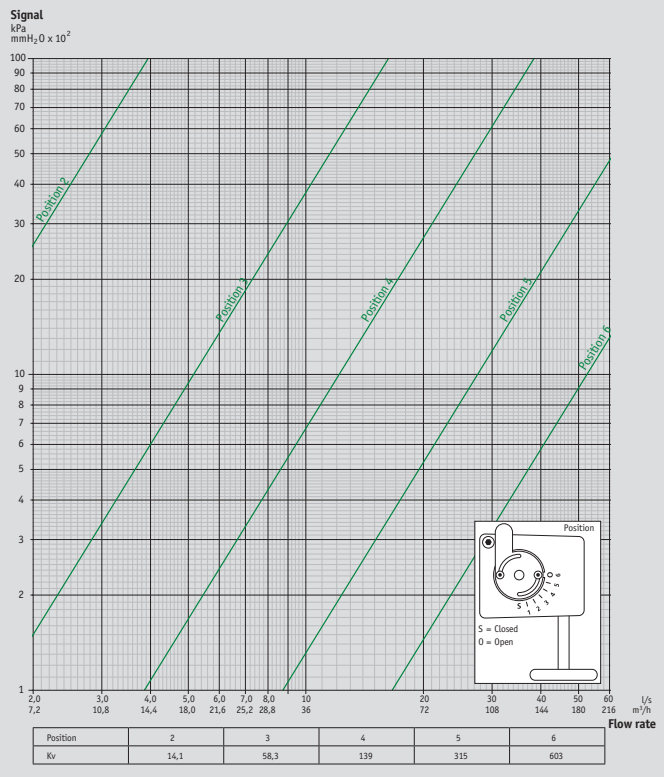
Position	2	3	4	5	6
Kv	18,34	45,9	92,5	136	148

DRV DN 80



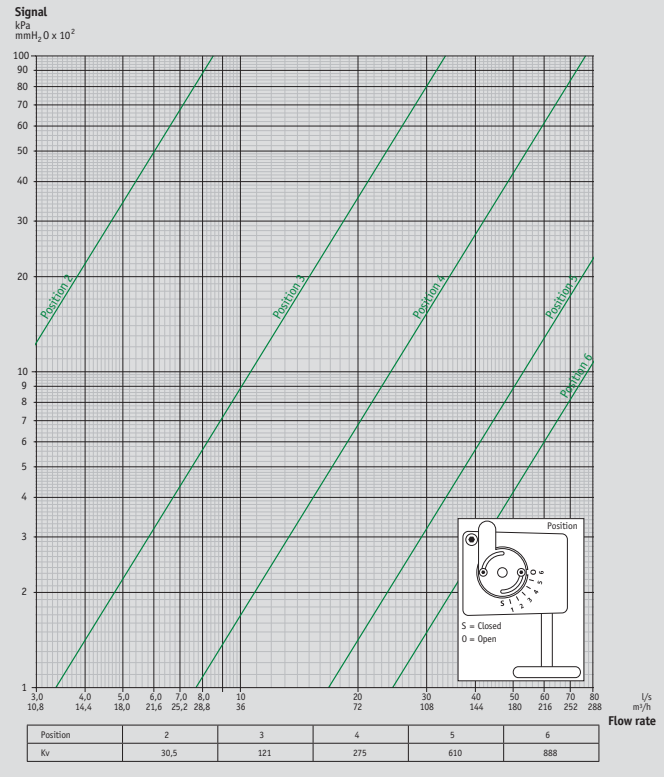
Position	2	3	4	5	6
Kv	28,3	62,5	128	222	237

DRV DN 100



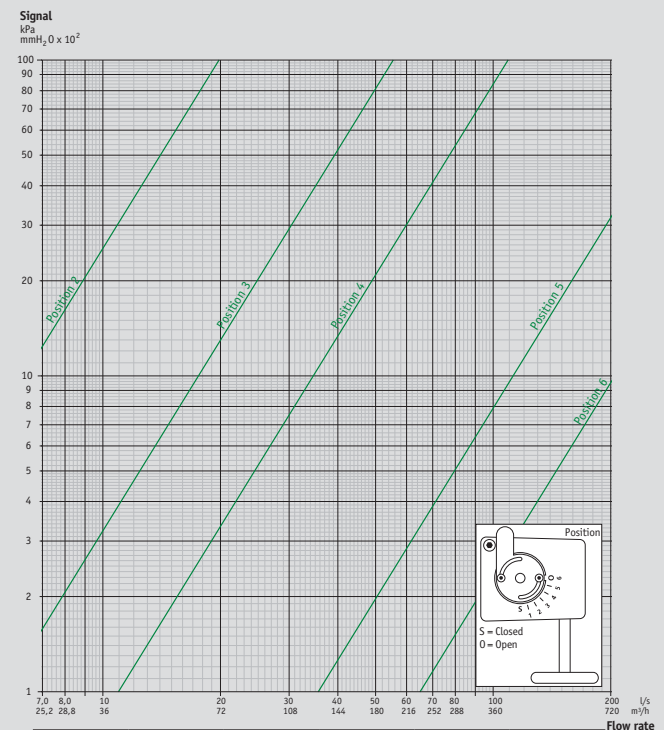
Position	2	3	4	5	6
Kv	14,1	58,3	139	315	603

DRV DN 125



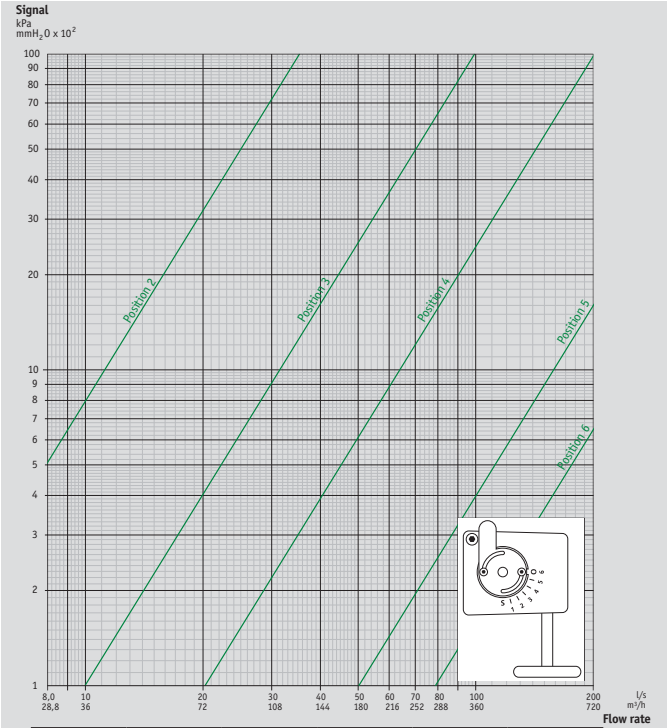
Position	2	3	4	5	6
Kv	30,5	121	275	610	888

DRV DN 150



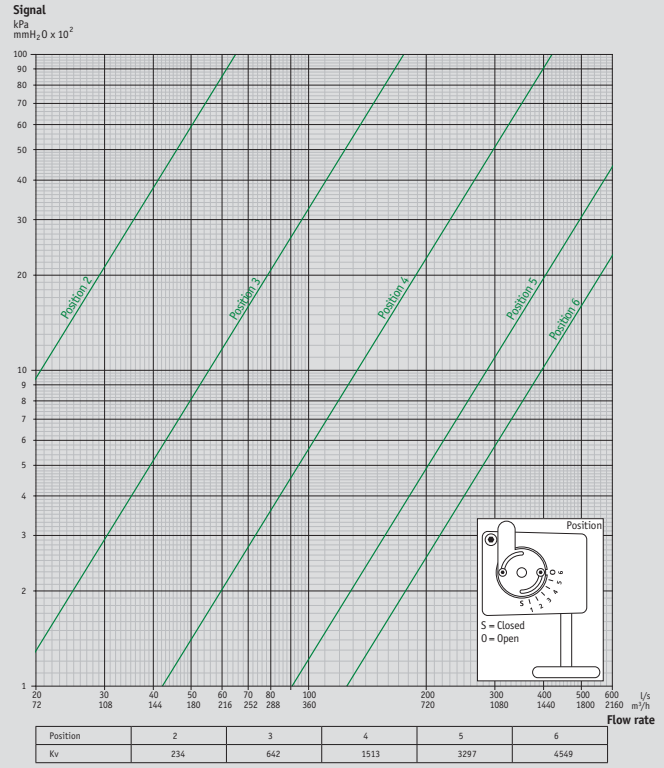
Position	2	3	4	5	6
Kv	71,9	201	396	1288	2341

DRV DN 200



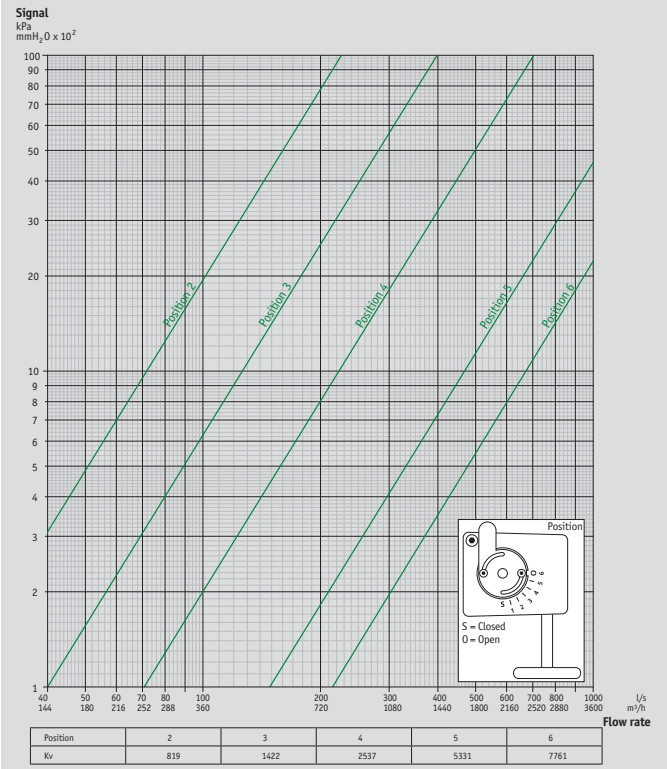
Position	2	3	4	5	6
Kv	127	353	726	1806	2845

DRV DN 250



Position	2	3	4	5	6
Kv	234	642	1513	3297	4549

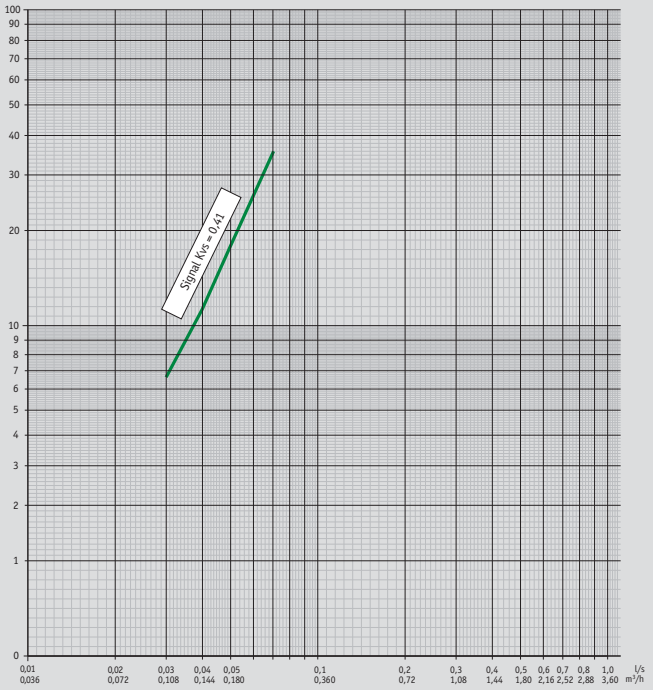
DRV DN 300



Position	2	3	4	5	6
Kv	819	1422	2537	5331	7761

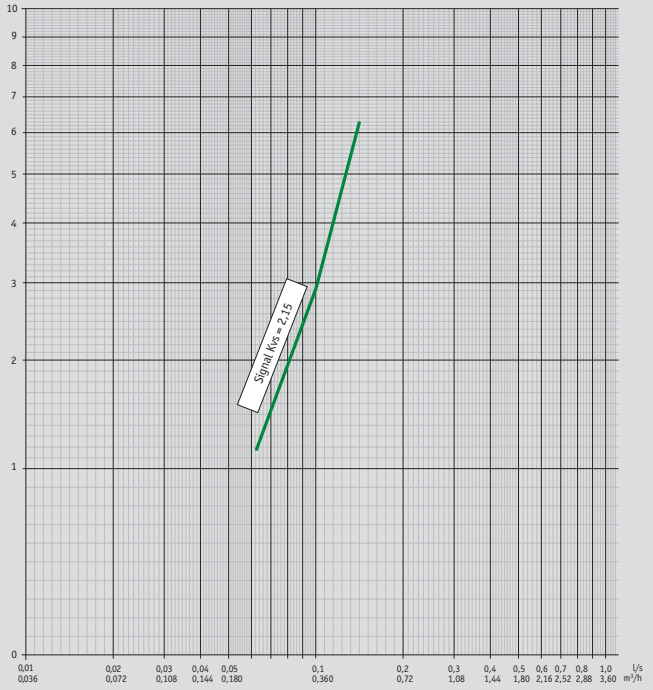
Pegler Commissioning products
Flow charts

FODRV 15mm DN 15 & DN 18 - Low flow



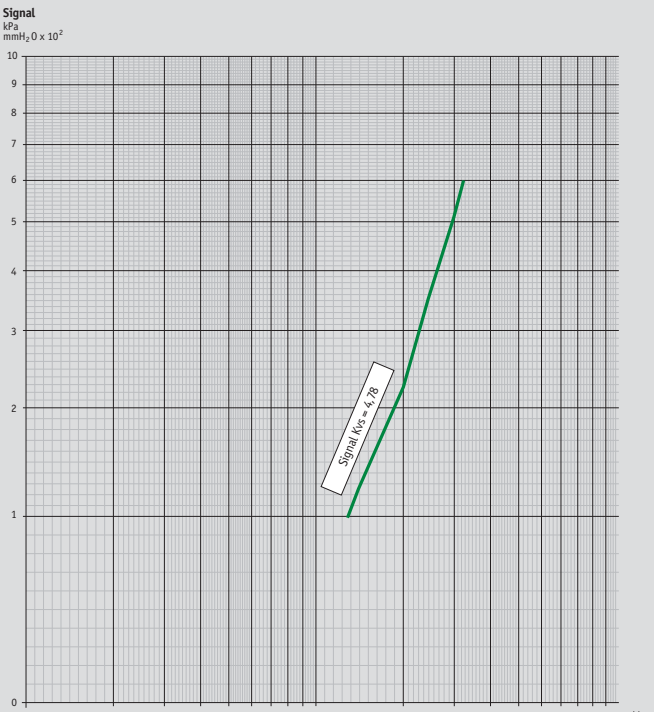
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV 15mm DN 15 & DN 18 - Standard flow



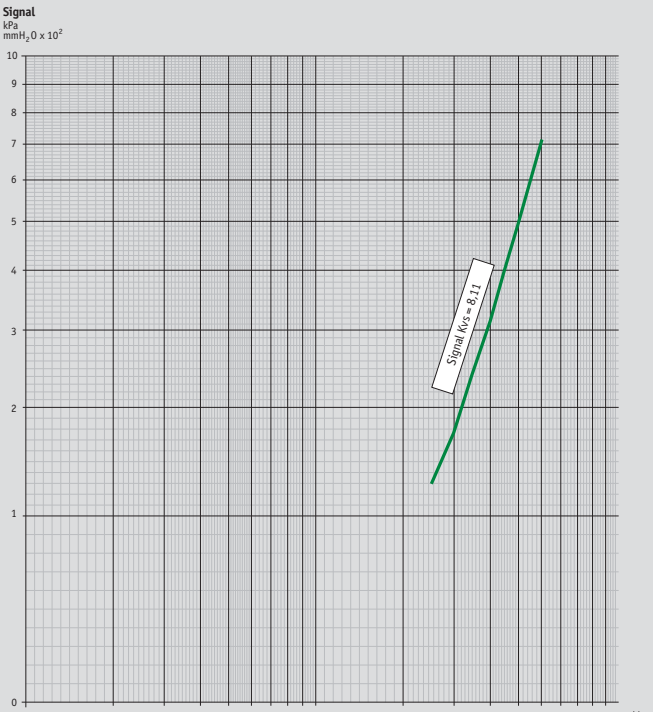
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV 22mm DN 20 - Standard flow



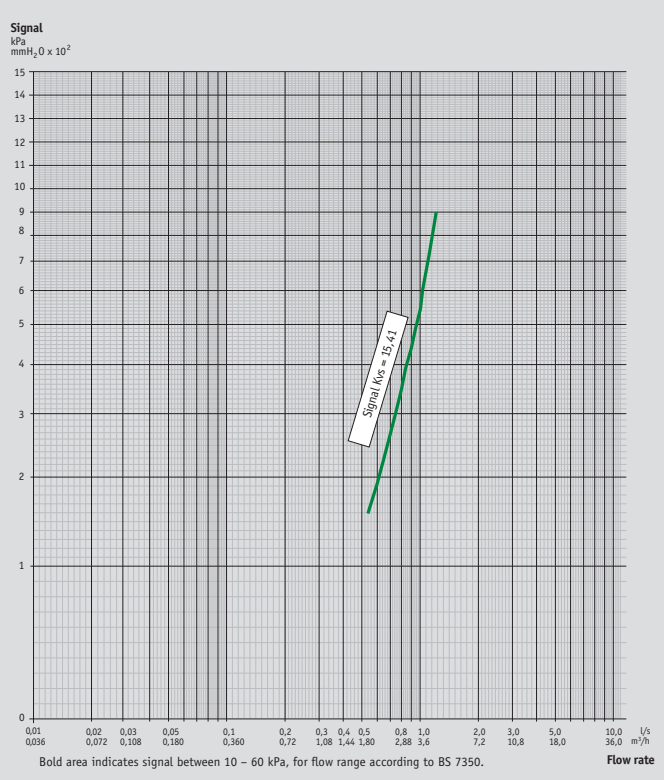
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV 28mm DN 25 - Standard flow



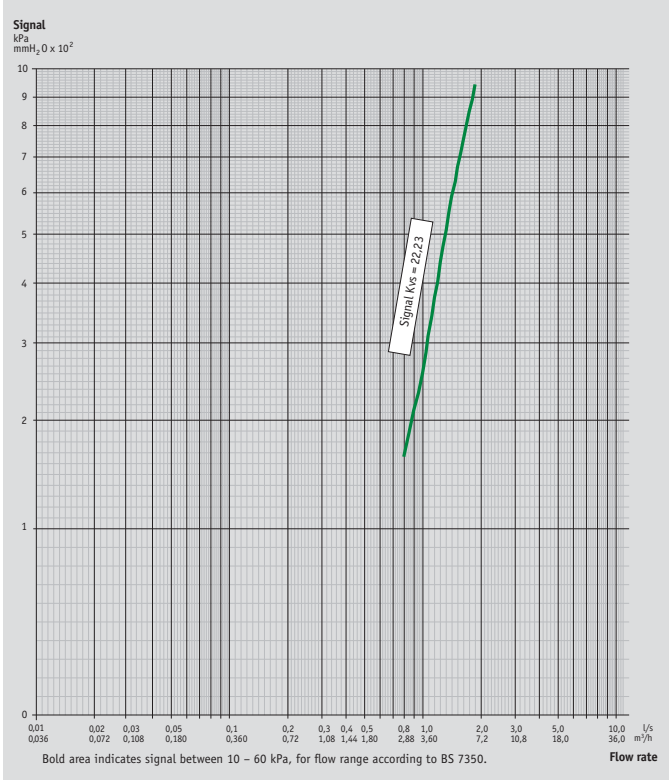
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV 35mm DN 32 - Standard flow



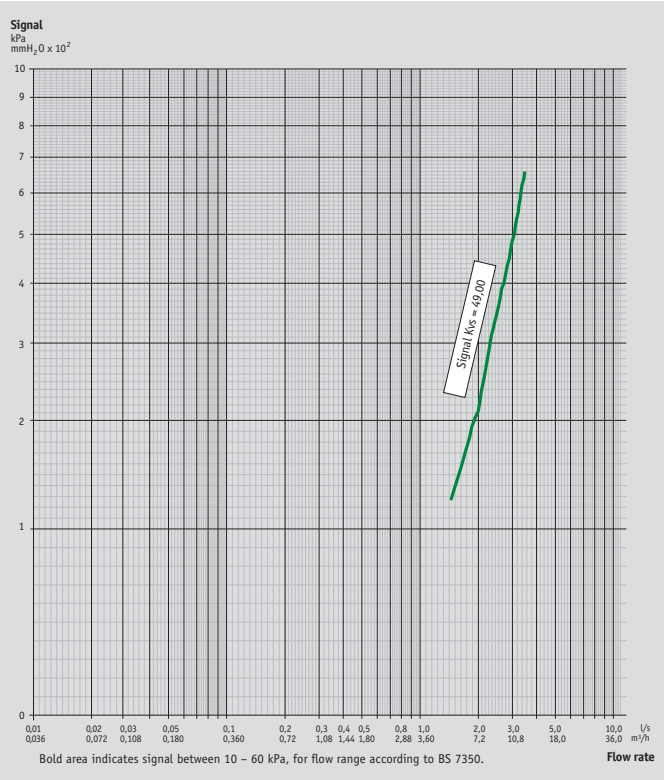
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV 42mm DN 40 - Standard flow



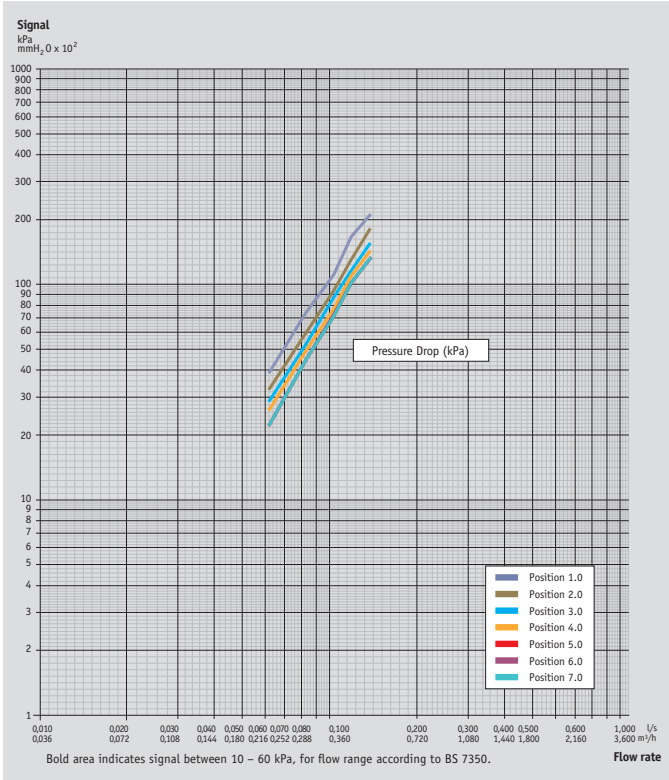
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV 54mm DN 50 - Standard flow



Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

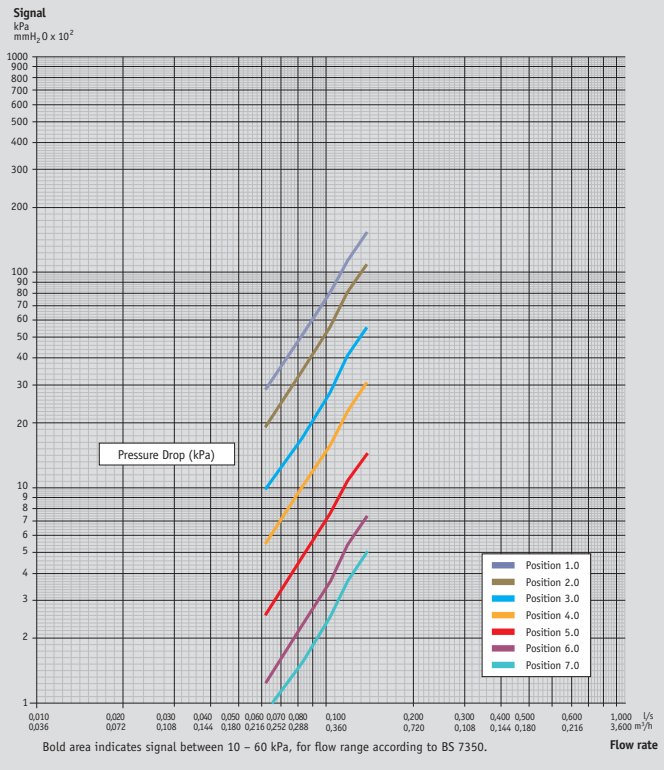
DRV 1/2" 1200 - Low flow



Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

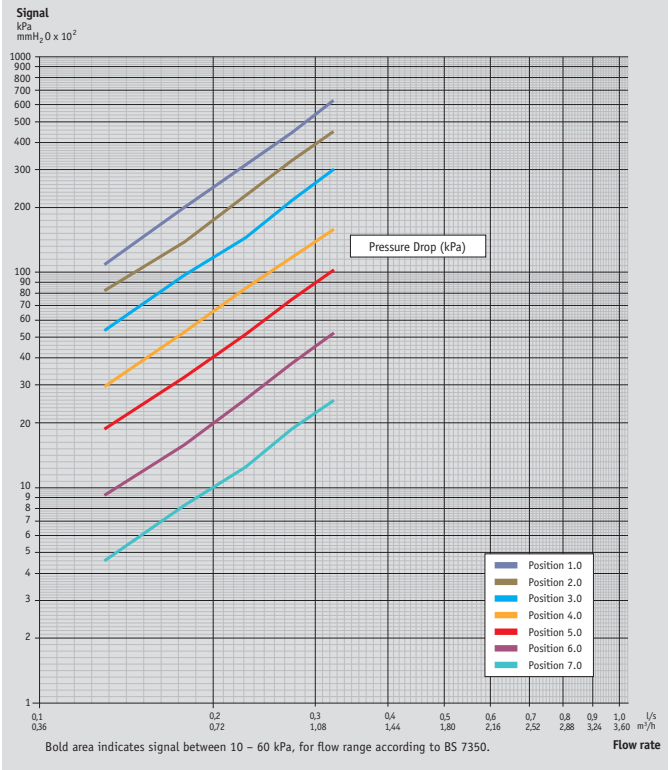
Pegler Commissioning products
Flow charts

DRV 1/2" 1200 - Standard flow



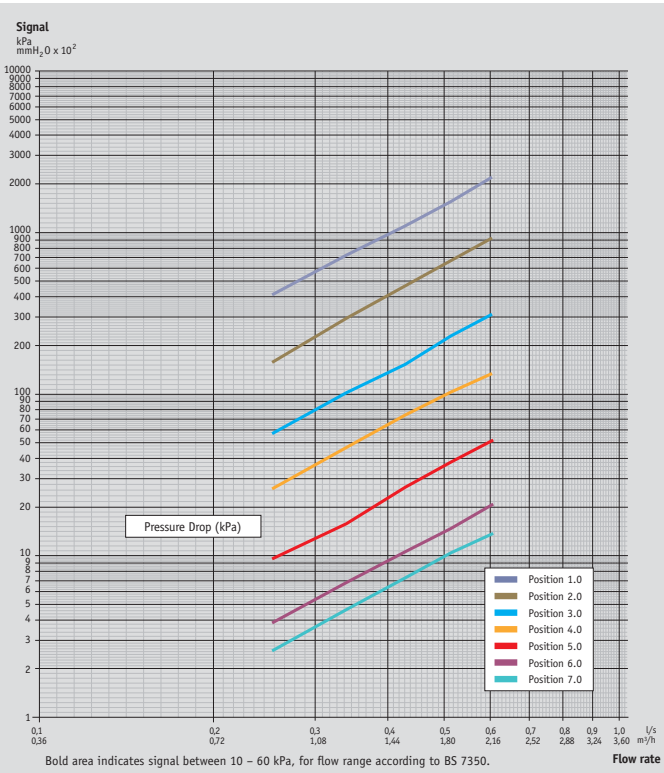
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

DRV 3/4" 1200 - Standard flow



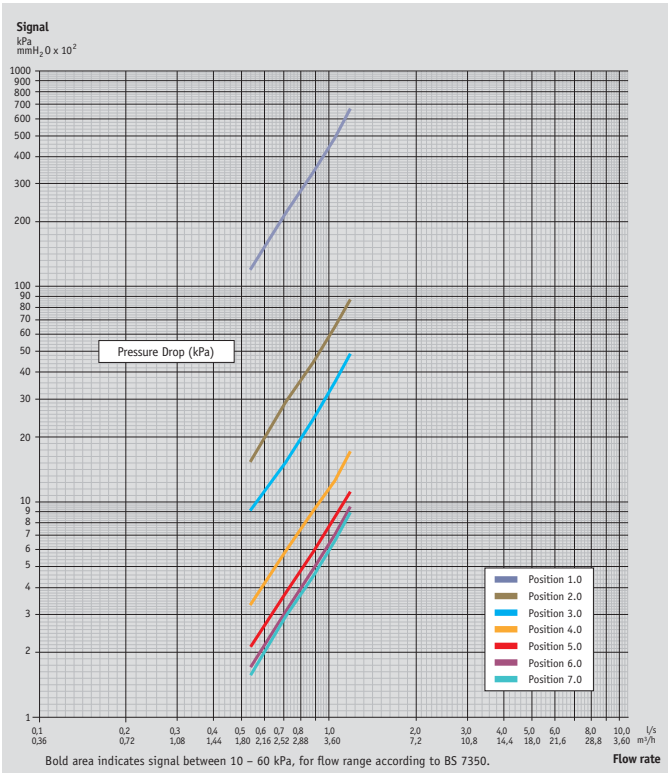
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

DRV 1" 1200 - Standard flow



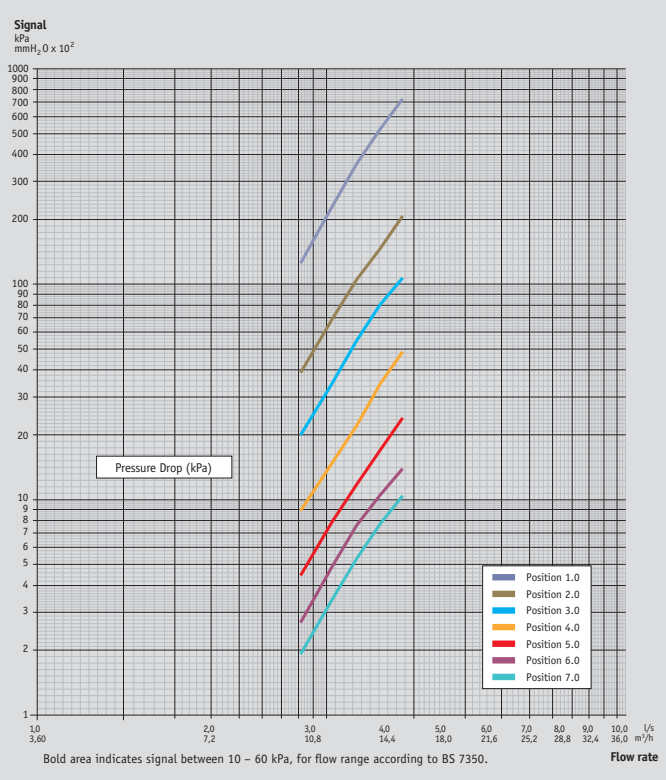
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

DRV 1 1/4" 1200 - Standard flow



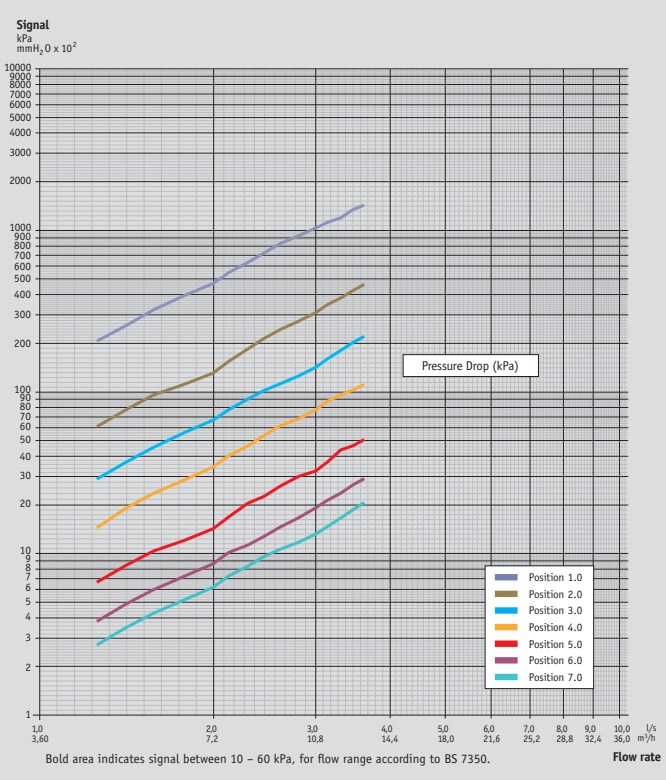
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

DRV 1½" 1200 - Standard flow



Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

DRV 2" 1200 - Standard flow



Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

Notes

Notes

Pegler Yorkshire

Our brands:

terrier
HEATING SOLUTIONS

YORKSHIRE
SOLDER RING SOLUTIONS

Tectite
PUSH-FIT SOLUTIONS

XPress
PRESS-FIT SOLUTIONS

ENDEX
END FEED SOLUTIONS

KUTERLITE
COMPRESSION SOLUTIONS

PRESTEX
DOMESTIC VALVE SOLUTIONS

PEGLER
COMMERCIAL VALVE SOLUTIONS

meibes
SOLAR PUMP SOLUTIONS

PERFORMA
UTILITY TAP SOLUTIONS

francis pegler
LUXURY TAP SOLUTIONS

UK sales
Free Phone: 0800 156 0010
Free Fax: 0808 156 1011
Email: uk.sales@pegleryorkshire.co.uk

Export
Tel: +44 (0) 1302 855 656
Fax: +44 (0) 1302 730 513
Email: export@pegleryorkshire.co.uk

Technical Help
Free Phone: 0800 156 0050
Free Fax: 0808 156 1012
Email: tech.help@pegleryorkshire.co.uk

Brochure Hotline
Free Phone: 0800 156 0020
Free Fax: 0808 156 1011
Email: info@pegleryorkshire.co.uk

www.pegleryorkshire.co.uk

Pegler Yorkshire Group Limited
St. Catherine's Avenue, Doncaster,
South Yorkshire, DN4 8DF, England.
Tel: 0844 243 4400 Fax: 0844 243 9870

Registered in England Company No. 00401507
Registered Office: Haigh Park Road, Stourton, Leeds,
West Yorkshire, LS10 1RT, England.

LIT.REF: 880137.01.10

Aalberts Industries