PEGLER PY
Valve technology

precise efficient control

Pegler Valve

aalberts integrated piping systems

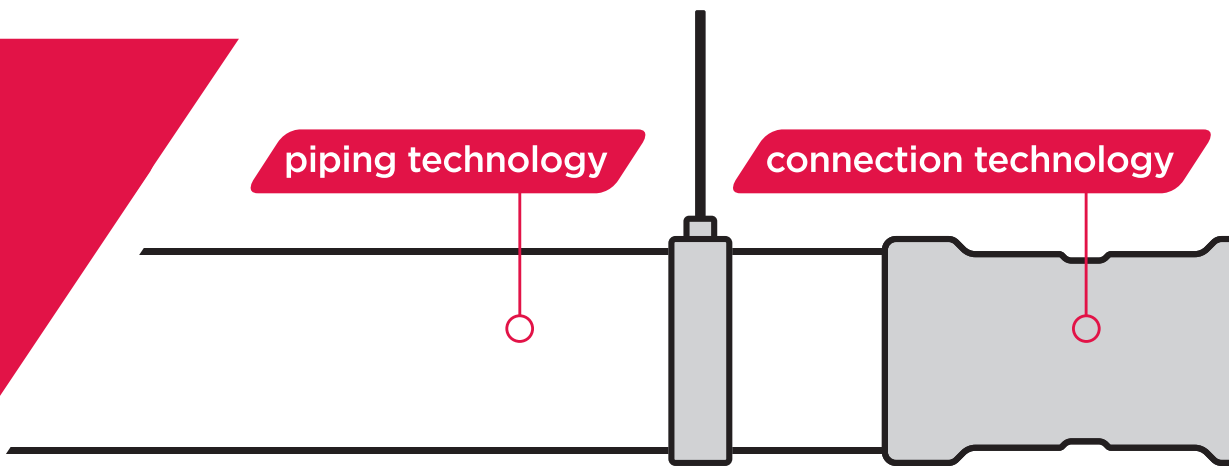
EN export catalogue

welcome to Aalberts integrated piping systems

Aalberts Integrated Piping Systems develops and produces connectors, metal and plastic pipes, valves, and fastening technology for the distribution and control of liquids and gases. Our technologies enable customers to work quickly and reliably in a simple and efficient way. These bespoke systems are applicable for key vertical markets as residential, commercial, industrial, and Utilities, and are designed and developed by our team of in-house engineers. This complete piping and valve solution combined with our services are available through different channels.

At Aalberts Integrated Piping Systems, we have just one objective: we help our customers to get the job done.

don't just buy products, buy solutions



global footprint with a local presence

we operate from 30 locations in 14 countries

As the amalgamation of some of the world's most trusted manufacturers, we have a long-established, market leading presence in different key vertical markets. We operate from 30 locations in 14 countries and offer the most innovative and technically advanced product portfolios.

Our in-house engineers are constantly engaged in product development and innovations and we are the only business in the piping & valve industry **that offers its customers a complete integrated piping solution, each and every time.**

our end markets

technology leadership in selected end markets

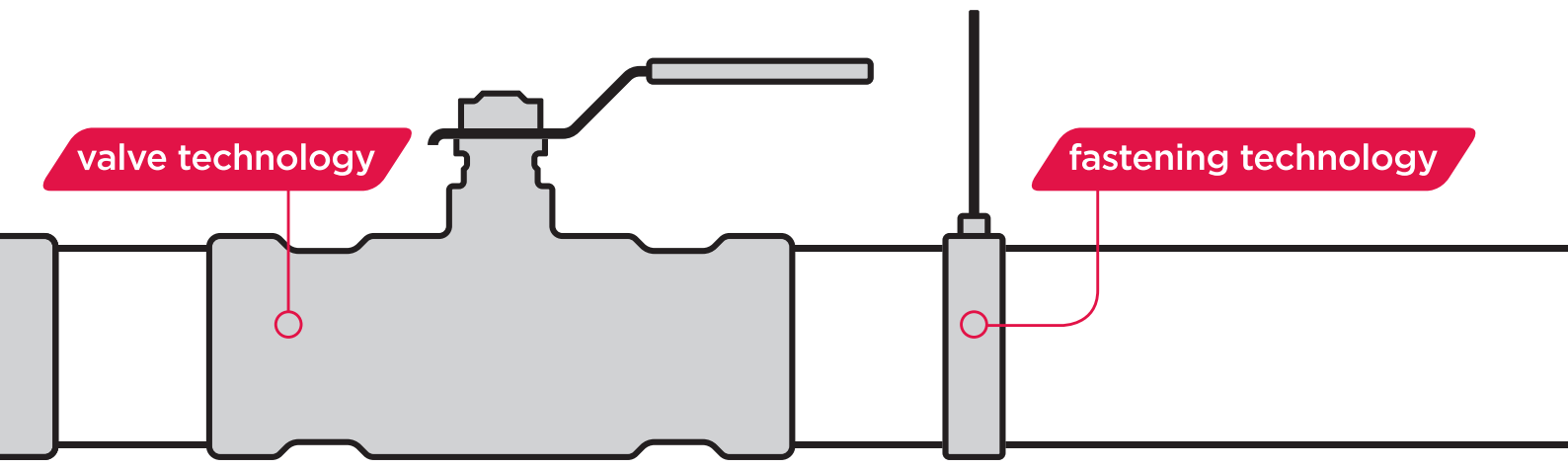
Aalberts Integrated Piping Systems develops and produces connectors, metal and plastic pipes, valves, and fastening technology for the distribution and control of liquids and gases. Our technologies are easy to specify and maintain, and enable our customers to work quickly and reliably in a simple and efficient way. These bespoke systems are applicable for residential construction, non-residential construction, industrial use, fire protection and shipbuilding, and are designed and developed by our team of in-house engineers. This complete piping and valve solution is available through different channels.

As the first choice for customers maintaining existing piping and valve systems, or a complete installation for a new building, we can also help in the pre-build design phase. We work with experts to design the perfect tailor-made, integrated piping system for any new build projects. So whether the task is project conception, installation, or on-going maintenance, we are the ONLY company that truly delivers a complete product & service offering. Our know-how, our can-do, and our relentless innovation come as standard. **So don't just buy products. Buy solutions.**

our technologies

Aalberts Integrated Piping Systems consists of 4 core Technologies:

- valve technology. We offer valve solutions for industrial, residential and commercial areas and we produce from several locations in the globe. Our valves are highly trusted and respected, the comprehensive range of products offers superior quality throughout, and excellent value for money. The valves brands Apollo and Pegler are well known in their markets
- connection technology offers the broadest selection of fittings in the market, with a wide range of products. Our range is suitable for numerous applications and media for key verticals like commercial, industrial and residential. The connection brand VSH is very well known in many markets
- piping technology
- fastening technology



Pegler

Pegler provides the best solutions for integrated piping systems. This term encompasses a range of product lines for connection technology and valve technology which, together with our engineering service, offer the ultimate solution for top-quality total piping systems.

Our aim is to support you in the best way possible.

Don’t just buy products, buy solutions

the strength of 'local sales organisation'

- the perfect solution for every project
- smart, fast and efficient installation
- Aalberts Integrated Piping Systems Engineering Service
- valuable advice from the drawing board to delivery
- a very wide product range, including fittings
- a 10-year system warranty
- all products are now BIM

The piping systems stand out due to their high and consistent quality, and quick and simple installation and maintenance. Pegler offers the widest, most comprehensive range of reliable press, compression, groove and push systems – including fittings for thick-walled and thin-walled metal and plastic tubes.

Aalberts Integrated Piping Systems Engineering Service

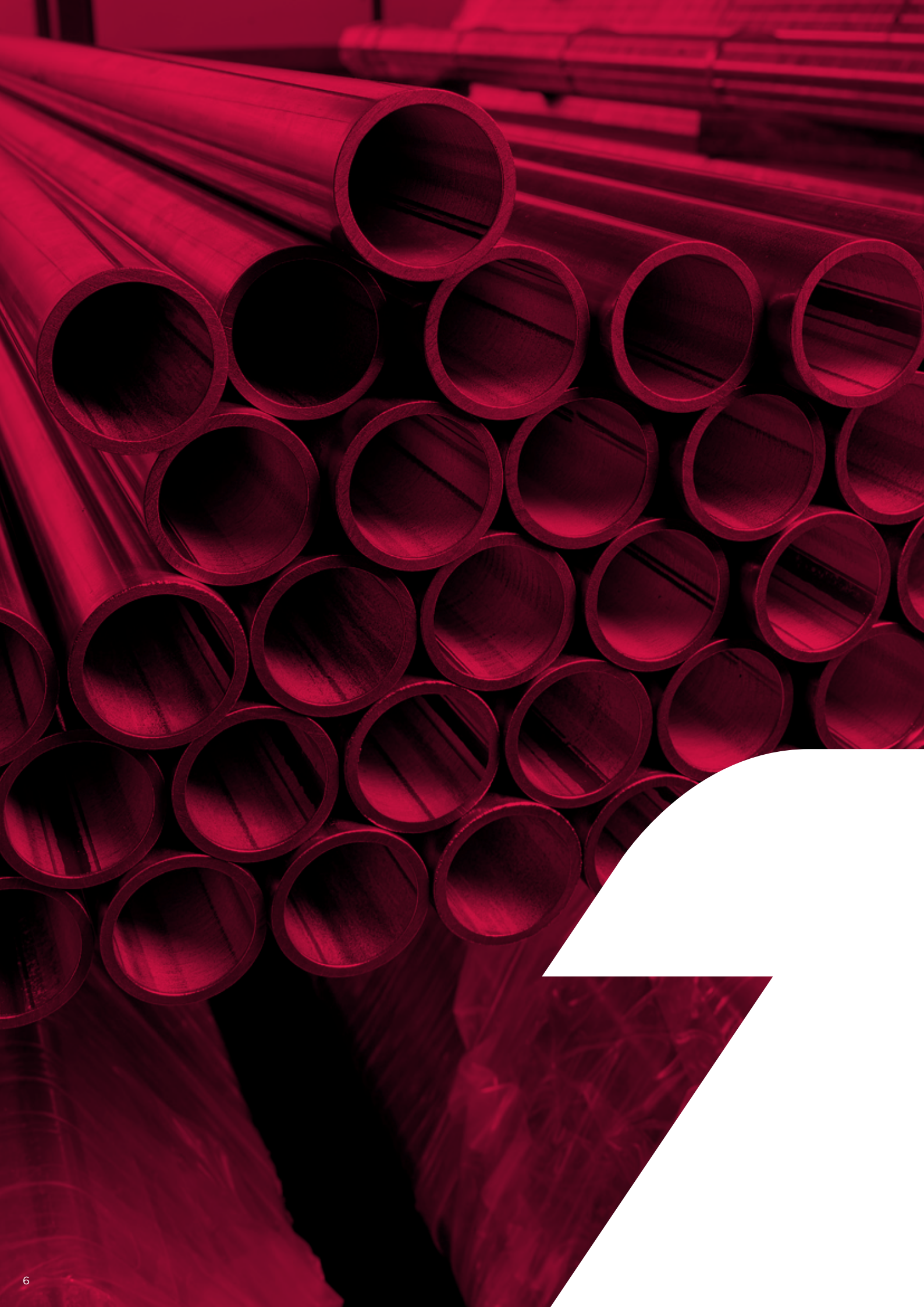
Pegler is a fully customer-focused sales and service organisation with experts who are committed to product development, service and customer support every single day. This means that from day one at the digital drawing board, you will receive professional advice on customised total solutions while being able to rely on optimum availability and reliable support both during and after delivery. Our engineers have access to all Aalberts Integrated Piping Systems products and can therefore always find the best solution which is fully customised to your needs.

Pegler is well known and respected as one of the leading manufacturers of advanced plumbing, heating and engineering products in the world. It's a reputation earned through a total dedication to quality, innovation and customer service that's been the hallmark of the company since it was established in the 1890's (originally trading as Pegler Ltd and Yorkshire Fittings Ltd).

Our success has been derived from a commitment to a philosophy based on quality, service, investment, competitiveness and innovation. Energy and water conservation is very much at the forefront of our product development.

Pegler's unique Integrated Piping System brings together valves, fittings and pipes in one complete pipe-work system, with an emphasis on delivering heat free jointing. IPS combines the best elements of modern connection and valve technology, with international quality approvals and cost effective solutions for every project.

As a business partner to some of the world's best known plumbing and heating suppliers, our unrivalled list of market leading product brands include Yorkshire integral solder ring fittings, Pegler Terrier radiator valves, VSH Tectite push-fit fittings, VSH PowerPress products, VSH Shurjoint solutions, the VSH XPress press-fit system, Pegler Valves, Prestex general brassware, Endex entfeed and Kuterlite compression fittings.



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1065 Forged brass full bore gate valve

female ends

DN	Connection	ISO7-1 Rc (taper)	ANSI NPT (AT)	ISO 288 (PT)	Total (kg)	Cv	Kv
DN15	½"	202007	202042	202052	0.27	16.4	14.0
DN20	¾"	202008	202043	202053	0.37	37.4	32.0
DN25	1"	202009	202044	202054	0.58	66.7	57.0
DN32	1 ¼"	202010	202045	202055	0.94	105.3	90.0
DN40	1 ½"	202011	202046	202056	1.19	150.9	129.0
DN50	2"	202012	202047	202057	2.09	269.1	230.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	46.0	70.0
¾"	50.0	80.0
1"	57.0	95.0
1 ¼"	64.0	115.0
1 ½"	68.0	125.0
2"	81.0	155.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar) (Cold working) Temp up to 25°C	Maximum pressure conditions (bar) (Hot working) Temp up to 93°C	Test pressures (bar) Shell	Test pressures (bar) Seat
½" to 2"	17.5	17.5	26.3	19.3
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 77°F	**Temp up to 200°F**	**Shell**	**Seat**
½" to 2"	253.8	253.8	381.5	279.5

Temperature range -10°C - +93°C (non shock)

Material specification

Nr	Component	Material
1	Body	Forged brass
2	Bonnet	Forged brass
3	Stem	Brass bar
4	Wedge	Forged brass
5	Gland screw	Brass bar
6	Handwheel	Aluminium
7	Handwheel nut	Brass bar
8	'O' rings	Nitrile rubber
9	Rating disk	Aluminium

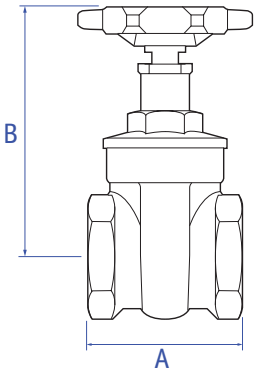
Applications

water

oil

specification

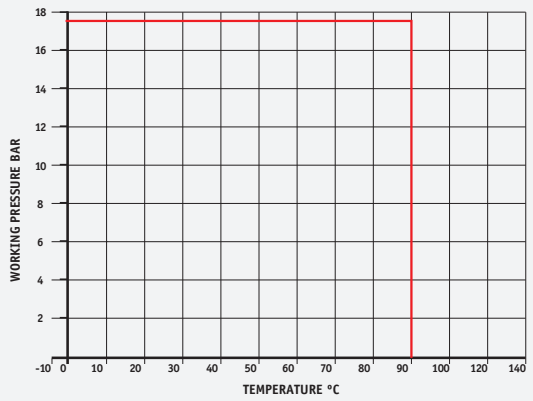
- PN16
- non-rising stem
- "O" ring gland packing seal
- IS07-1Rc taper thread
- solid wedge
- ANSI (NPT) American taper thread (AT)
- BS 2779 parallel thread (PT)



Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



by Pegler

1068 Forged brass full bore gate valve

BS 5154 PN 20 series B, female ends

DN	Connection	ISO7-1 Rc (taper)	ANSI NPT (AT)	ISO 288 (PT)	ISO7-1Rc (Lockshield -Taper)	Total (kg)	Cv	Kv
DN15	½"	203007	203027	203047	203067	0.32	16.4	14.0
DN20	¾"	203008	203028	203048	203068	0.46	37.4	32.0
DN25	1"	203009	203029	203049	203069	0.69	66.7	57.0
DN32	1 ¼"	203010	203030	203050	203070	1.03	105.3	90.0
DN40	1 ½"	203011	203031	203051	203071	1.40	150.9	129.0
DN50	2"	203012	203032	203052	203072	2.28	269.1	230.0
DN65	2 ½"	203013	203033	203053		3.68	500.8	428.0
DN80	3"	203014	203034	203054		5.42	795.6	680.0
DN100	4"	203015	203035	203055		10.59	1273.0	1088.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

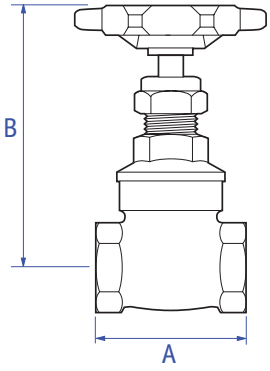
specification

- BS5154 PN20 series B
- non-rising stem
- solid brass wedge
- high quality lubricated packing
- can be re-packed under pressure
- taper threaded BS EN 10226 (ISO7-1Rc)
- ANSI (NPT) American taper thread (AT)
- BS2779 parallel thread (PT)
- lockshield pattern (LS)

½"- 2"

LS KEYS

½", ¾"	K9 Lockshield Key 850139
1"	K2 Lockshield Key 817020
1 ¼"	K3 Lockshield Key 850132
1 ½"	K5 Lockshield Key 850134
2"	K6 Lockshield Key 850135



Connection	Dimensions (mm) A	Dimensions (mm) B
½"	52.0	85.0
¾"	56.0	95.0
1"	65.0	110.0
1 ¼"	73.0	125.0
1 ½"	76.0	145.0
2"	90.0	170.0
2 ½"	102.0	205.0
3"	114.0	240.0
4"	134.0	290.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar) (Cold working) Temp up to 100°C	(Hot working) Temp up to 180°C	Test pressures (bar) Shell	Seat
½" to 4"	20.0	9.0	30.0	22.0

Size	Maximum pressure conditions (psi) Temp up to 212°F	Temp up to 356°F	Test pressures (psi) Shell	Seat
½" to 4"	290.1	130.5	435.1	319.1

Temperature range - 10°C + 180°C (non shock) WRAS approval temperature 100°C maximum

Material specification

Nr	Component	Material
1	Body	Forged brass (½" to 2") Gravity die cast brass (2 ½" to 4")
2	Bonnet	Forged brass (½" to 3") Gravity die cast brass (4")
3	Stem	Brass bar
4	Wedge	Forged brass (½" to 2") Gravity die cast brass (3" & 4")
5	Stem ring	Brass bar
6	Gland	Brass bar
7	Gland nut	Brass bar (½" to 1") Forged brass (1 ¼" to 4")
8	Handwheel	Aluminium
9	Handwheel nut	Brass bar
10	Gland packing	P.T.F.E.
11	Rating disk	Aluminium

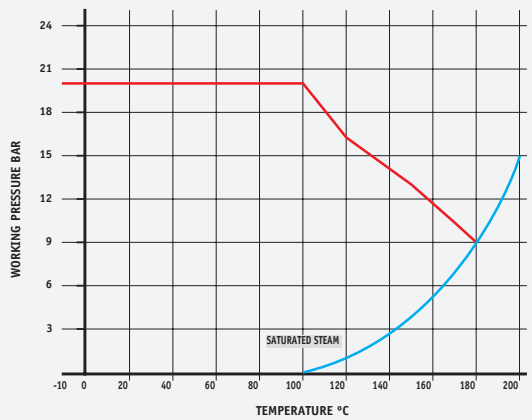
Applications

steam water oil

Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



1078 Forged DZR brass full bore gate valve

BS 5154 PN20 series B, female ends

DN	Connection	ISO7-1 Rc (taper)	ISO 288 (PT)	ISO7-1Rc (Lockshield -Taper)	Total (kg)	Cv	Kv
DN15	½"	204007	204030	204050	0.31	16.4	14.0
DN20	¾"	204008	204031	204051	0.46	37.4	32.0
DN25	1"	204009	204032	204052	0.72	66.7	57.0
DN32	1 ¼"	204010	204033	204053	1.07	105.3	90.0
DN40	1 ½"	204011	204034	204054	1.33	150.9	129.0
DN50	2"	204012	204035	204055	2.45	269.1	230.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	52.0	85.0
¾"	56.0	95.0
1"	65.0	110.0
1 ¼"	73.0	125.0
1 ½"	76.0	145.0
2"	90.0	170.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 180°C	Shell	Seat
½" to 2"	20.0	9.0	30.0	22.0
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 356°F	Shell	Seat
½" to 2"	290.1	130.5	435.1	319.1

Temperature range - 10°C + 180°C (non shock) WRAS approval temperature 100°C maximum

Material specification

Nr	Component	Material
1	Body	DZR Forged brass
2	Bonnet	DZR Forged brass
3	Stem	DZR Brass bar
4	Wedge	DZR Forged brass
5	Stem ring	DZR Brass bar
6	Gland	Brass bar
7	Gland nut	Brass bar (½" to 1") Forged brass (1 ¼" to 2")
8	Handwheel	Aluminium
9	Handwheel nut	Brass bar
10	Gland packing	P.T.F.E.
11	Rating disk	Aluminium
12	Lockshield	Brass bar

Applications

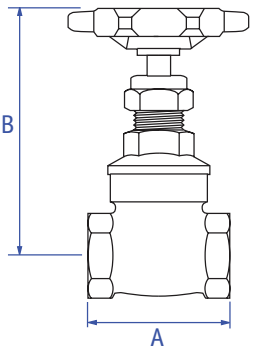
steam water oil

specification

- BS5154 PN20 series B
- non-rising stem
- solid DZR wedge
- high quality lubricated packing
- can be re-packed under pressure
- taper threaded BS EN 10226 (IS07-1Rc)
- BS2779 parallel thread (PT)

LS KEYS

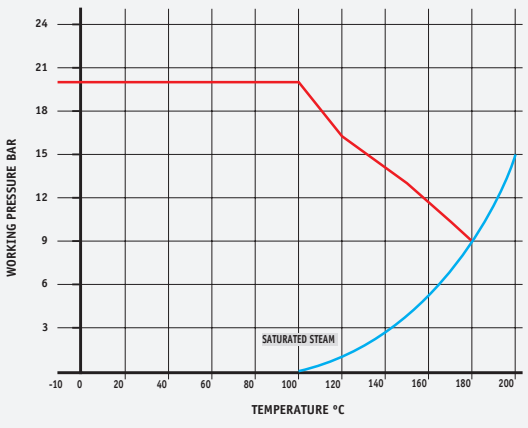
½", ¾"	K9 Lockshield Key 850139
1"	K2 Lockshield Key 817020
1 ¼"	K3 Lockshield Key 850132
1 ½"	K5 Lockshield Key 850134
2"	K6 Lockshield Key 850135



Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



by Pegler

1070/125 Bronze (GM) full bore gate valve

BS 5154 PN 20 series B, female ends

DN	Connection	ISO7-1 Rc (taper)	ISO 288 (PT)	ISO7-1Rc (Lockshield -Taper)	Total (kg)	Cv	Kv
DN15	½"	103007	103047	103057	0.32	16.4	14.0
DN20	¾"	103008	103048	103058	0.46	37.4	32.0
DN25	1"	103009	103049	103059	0.69	66.7	57.0
DN32	1 ¼"	103010	103050	103060	1.03	105.3	90.0
DN40	1 ½"	103011	103051	103061	1.40	150.9	129.0
DN50	2"	103012	103052	103062	2.28	209.1	230.0
DN65	2 ½"	103013	103053		3.68	500.8	428.0
DN80	3"	103014	103054		5.42	795.6	680.0
DN100	4"	103015	103055		10.59	1273.0	1088.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) B Lockshield
½"	52.0	85.0	75.0
¾"	56.0	95.0	85.0
1"	65.0	110.0	100.0
1 ¼"	73.0	125.0	110.0
1 ½"	76.0	145.0	130.0
2"	90.0	170.0	155.0
2 ½"	102.0	205.0	
3"	114.0	240.0	
4"	134.0	290.0	

Maximum pressure conditions

Size	Maximum pressure conditions (bar) (Cold workimg) Temp up to 100°C	(Hot workimg) Temp up to 180°C	Test pressures (bar) Shell	Seat
½" to 4"	20.0	9.0	30.0	22.0
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	**Temp up to 356°F**	**Shell**	**Seat**
½" to 4"	290.1	130.5	435.1	319.1

Temperature range - 10°C + 180°C (non shock) WRAS approval temperature 100°C maximum

Material specification

Nr	Component	Material
1	Body	Bronze (GM)
2	Bonnet	Bronze (GM)
3	Stem	Brass bar
4	Wedge	Bronze (GM)
5	Stem ring	Brass bar
6	Gland	Brass bar
7	Gland nut	Brass bar (½" to 1") Forged brass (1 ½" to 4")
8	Handwheel	Aluminium
9	Handwheel nut	Brass bar
10	Gland packing	P.T.F.E.
11	Rating disk	Aluminium

Applications

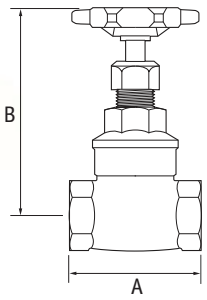
steam water oil

specification

- BS5154 PN20 Series B
- non-rising stem
- solid gunmetal wedge
- high quality lubricated packing
- lockshield pattern (LS)
- can be re-packed under preasure
- taper threaded BS EN 10226 (IS07-1Rc)
- ANSI (NPT) American taper thread (AT)
- BS2779 parellel thread (PT)

LS KEYS

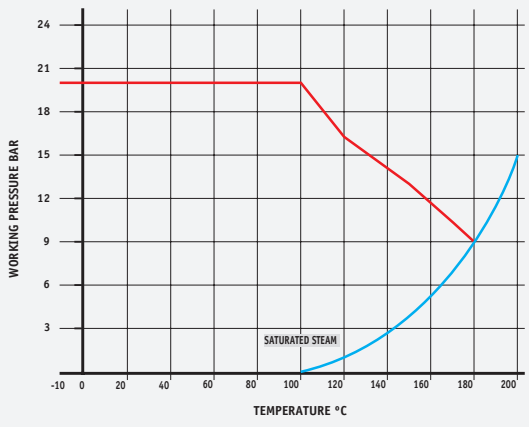
½", ¾"	K9 Lockshield Key 850139
1"	K2 Lockshield Key 817020
1 ¼"	K3 Lockshield Key 850132
1 ½"	K5 Lockshield Key 850134
2"	K6 Lockshield Key 850135



Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



10751/10751LS Bronze (GM) gate valve/lockshield

BS 5154 PN20 series B, female ends

DN	Connection	ISO7-1 Rc (taper)	ISO7-1Rc (Lockshield -Taper)	ISO 288 (PT)*	ISO 228 (PT) LS*	Cv	Kv
DN15	½"	101050	101060	101070	101078	16.4	14.0
DN20	¾"	101051	101061	101071	101079	37.4	32.0
DN25	1"	101052	101062	101072	101080	66.7	57.0
DN32	1 ¼"	101053	101063	101073	101081	105.3	90.0
DN40	1 ½"	101054	101064	101074	101082	150.9	129.0
DN50	2"	101055	101065	101075	101083	269.1	230.0
DN65	2 ½"	101056		101076		500.8	428.0
DN80	3"	101057		101077		759.6	680.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C	Dimensions D Lockshield key	Dimensions B Lockshield
½"	60.0	78.0	43.0	6.0	88.0
¾"	60.0	88.0	49.0	7.0	106.0
1"	70.0	106.0	54.0	7.0	119.0
1 ¼"	75.0	119.0	63.0	8.0	140.0
1 ½"	95.0	140.0	65.0	9.0	161.0
2"	105.0	161.0	75.0	10.3	161.0
2 ½"	120.0	190.0	87.0		
3"	155.0	213.0	105.0		

Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	(Cold working) Temp up to 100°C	(Hot working) Temp up to 180°C	Shell	Seat
½" to 3"	20.0	9.0	30.0	22.0
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 356°F	Shell	Seat
½" to 3"	290.1	130.5	435.1	319.1

Temperature range - 10°C + 180°C (non shock) WRAS approval temperature 100°C maximum

Material specification

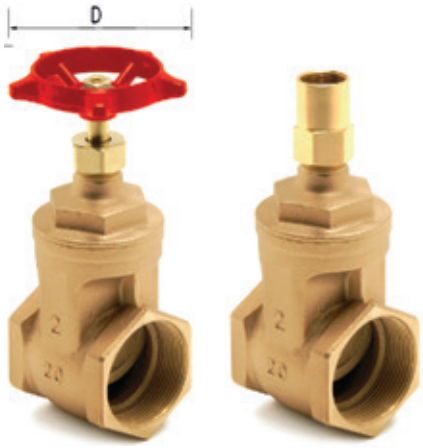
Nr	Component	Material
1	Body	Bronze (GM)
2	Bonnet	Bronze (GM)
3	Stem	Brass bar
4	Wedge	Bronze (GM)
5	Stem ring	Brass bar
6	Gland	Brass bar
7	Gland nut	Brass bar (½" to 1") Forged brass (1 ½" to 3")
8	Handwheel	Aluminium
9	Handwheel nut	Brass bar
10	Gland packing	P.T.F.E.
11	Rating disk	Aluminium

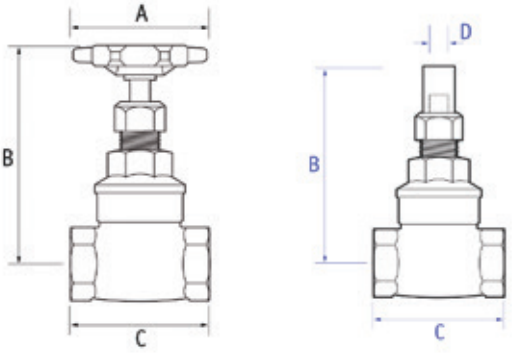
Applications

steam water oil

specification

- BS5154 PN20 series B
- non-rising stem
- solid gunmetal wedge
- high quality lubricated packing
- lockshield pattern (LS)
- can be re-packed under preasure
- BS21 taper thread
- ANSI (NPT) American taper thread (AT)
- BS2779 parellel thread (PT)
- PN20

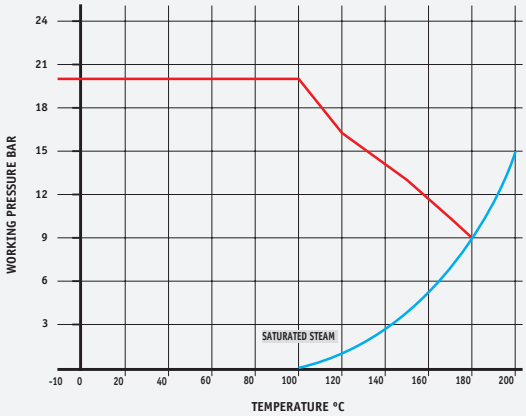




Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



by Pegler

V850 Ductile iron gate valve EPDM disk

BS EN 1171:2002, flanged to EN 1092-2 PN16. Suitable for drinking water

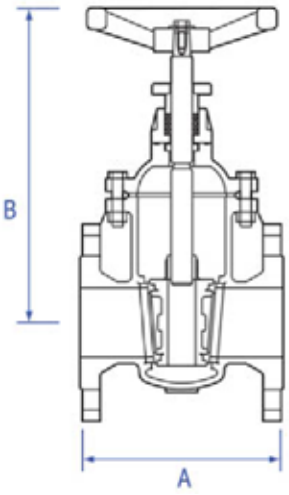
DN	Connection	Code	Total (kg)	Kv
DN50	2"	112150	13.0	230.0
DN65	2 ½"	112151	17.0	360.0
DN80	3"	112152	19.0	519.0
DN100	4"	112153	25.0	923.0
DN125	5"	112154	34.0	1443.0
DN150	6"	112155	40.0	2077.0
DN200	8"	112156	68.0	3693.0
DN250	10"	112157	101.0	5771.0
DN300	12"	112158	137.0	8310.0

*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

specification

- BS EN 1171:2002
- PN16
- flanged to EN1092-2 PN16
- ductile iron gate valve
- bronze seat and trim
- stainless steel stem
- non rising

DN	Dimensions (mm) A	Dimensions (mm) B
DN50	178.0	240.0
DN65	190.0	265.0
DN80	203.0	323.0
DN100	229.0	365.0
DN125	254.0	413.0
DN150	267.0	477.0
DN200	292.0	585.0
DN250	330.0	710.0
DN300	356.0	789.0



Pressure and temperature ratings

Size	Maximum working pressure (bar) Temperature 80°C	Test pressures (bar) Shell	Seat
DN50 - DN300	16.0	24.0	17.6
Size	**Maximum working pressure (psi) Temperature 176°F**	**Test pressures (psi) Shell**	**Seat**
DN50 - DN300	232.1	348.1	255.3

Temperature range - 10°C + 180°C (non shock)

Material specification

Nr	Component	Material
1	Body	Ductile iron
2	Bonnet	Ductile iron
3	Bonnet gasket	EPDM
4	Stem	Stainless steel
5	Wedge	EPDM/Ductile iron
6	Gland flange	Ductile iron
7	Gland	Ductile iron
8	Gland packing	Graphite non-asbestos
9	Stuffing box	Ductile iron
10	Stuffing box gasket	Compressed graphite
11	Handwheel	Ductile iron

Applications

water

V850 PN16 Ductile Iron gate valve with EPDM coated Ductile iron wedge.
The body and internals are epoxy painted and make this suitable for use with potable/ drinking water.

WRAS Approved Certificate Number: 1311090

V950 Ductile iron gate valve

BS EN 1171:2002 PN16, flanged to EN 1092-2

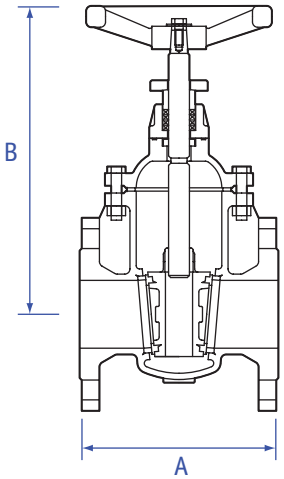
DN	Connection	Code	Total (kg)	Kv
DN50	2"	15510	12.0	230.0
DN65	2 ½"	15511	16.9	360.0
DN80	3"	15512	19.1	519.0
DN100	4"	15513	26.6	923.0
DN125	5"	15514	37.9	1443.0
DN150	6"	15515	47.4	2077.0
DN200	8"	15516	73.9	3693.0
DN250	10"	15517	122.0	5771.0
DN300	12"	15518	171.0	8310.0

*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

specification

- BS EN 1171:2002
- PN16
- flanged to EN1092-2 PN16
- ductile iron gate valve
- bronze seat and trim
- stainless steel stem
- non rising

DN	Dimensions (mm) A	Dimensions (mm) B
DN50	178.0	240.0
DN65	190.0	265.0
DN80	203.0	323.0
DN100	229.0	365.0
DN125	254.0	413.0
DN150	267.0	477.0
DN200	292.0	585.0
DN250	330.0	710.0
DN300	356.0	789.0



Pressure and temperature ratings

Size	Maximum working pressure (bar)		Test pressures (bar)	
	Temp up to 120°C	Temp up to 230°C	Shell	Seat
DN65 to DN200	16.0	11.8	24.0	17.5
Size	**Maximum working pressure (psi)**		**Test pressures (psi)**	
	Temp up to 248°F	**Temp up to 446°F**	**Shell**	**Seat**
DN65 to DN200	232.1	171.1	348.1	253.8

Temperature range - 10°C + 180°C (non shock)

Material specification

Nr	Component	Material
1	Body	Ductile iron
2	Body seat ring	Bronze (GM)
3	Bonnet	Ductile iron
4	Bonnet bush	Brass
5	Bonnet gasket	Graphite non-asbestos
6	Stem	Stainless steel
7	Stem nut	Brass
8	Wedge	Ductile iron
9	Wedge seat ring	Bronze (GM)
10	Wedge trim	Bronze (GM)
11	Wedge nut	Bronze (GM)
12	Gland follower	Ductile iron
13	Gland	Ductile iron
14	Gland packing	Graphite non-asbestos
15	Stuffing box	Ductile iron
16	Stuffing box gasket	Compressed graphite
17	Handwheel	Cast iron
18	Bolt	Steel
19	Nut	Steel

Applications

water

by Pegler

63 Forged brass full bore gate valve

compression ends, PN16

CERTIFIED TO BRITISH STANDARD
15 - 35mm

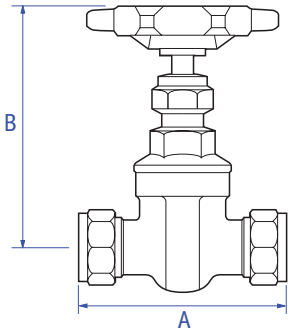
DN	Connection	Wheel handle	Lockshield	Total (kg)	LS weight (kg)	Cv	Kv
DN15	15mm	506007	506037	0.31	0.31	16.4	14.0
DN20	22mm	506008	506038	0.47	0.47	37.4	32.0
DN25	28mm	506009	506039	0.65	0.65	66.7	57.0
DN32	35mm	506010		1.26		105.3	90.0
DN40	42mm	507011		1.60		150.9	129.0
DN50	54mm	507012		2.70		269.1	230.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

specification

- PN16
- non-rising stem
- solid wedge
- compression ends
- high quality lubricated packing
- can be re-packed under pressure
- all sizes available with lockshield
- Prestex compression ends to EN1254/2 (formerly BS864/2)
- lockshield pattern LS

Connection	Dimensions (mm) A	Dimensions (mm) B
15mm	72.0	83.0
22mm	81.0	93.0
28mm	90.0	111.0
35mm	107.0	124.0
42mm	113.0	146.0
54mm	129.0	174.0



Maximum pressure conditions

Size	Maximum pressure conditions (bar) (Cold working) Temperatures up to 30°C	Maximum pressure conditions (bar) (Hot working) Temperatures up to 120°C	Test pressures (bar) Shell	Test pressures (bar) Seat
15 to 54mm	16.0	5.0	24.0	17.5

Size	Maximum pressure conditions (psi) Temp up to 77°F	Maximum pressure conditions (psi) Temp up to 200°F	Test pressures (psi) Shell	Test pressures (psi) Seat
15 to 54mm	232.1	72.5	348.1	253.8

Temperature range - 10°C + 120°C

Material specification

Nr	Component	Material
1	Body	Brass 15 - 35, Bronze (GM) 42 - 54
2	Bonnet	Brass
3	Stem	Brass
4	Wedge	Brass
5	Stem ring	Brass
6	Gland	Brass
7	Gland nut	Brass
8	Handwheel	Aluminium
9	Handwheel nut	Brass bar
10	Gland packing	P.T.F.E.
11	Rating disk	Aluminium
12	Lockshield	Brass

Applications

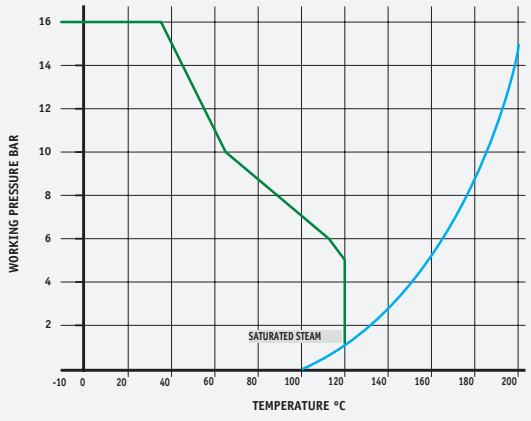
water

oil

Pressure equipment directive category

Size	15mm	22mm	28mm	35mm	42mm	54mm
	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



PB100 Brass full bore ball valve

red lever handle, PN25 to 2", PN16 2½", 3" and 4", female ends

DN	Connection	ISO7-1 Rc (taper)	ISO 288 (PT)	ANSI (NPT) (AT)	Total (kg)	Cv	Kv
DN15	½"	270001	270021	270041	0.18	19.9	17.0
DN20	¾"	270002	270022	270042	0.25	48.0	41.0
DN25	1"	270003	270023	270043	0.38	81.9	70.0
DN32	1 ¼"	270004	270024	270044	0.63	141.6	121.0
DN40	1 ½"	270005	270025	270045	0.84	234.0	200.0
DN50	2"	270006	270026	270046	1.45	341.6	292.0
DN65	2 ½"	270007		270047	3.00	626.0	535.0
DN80	3"	270008		270048	4.50	994.5	850.0
DN100	4"	270009		270049	7.50	1591.2	1360.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	50.0	46.0
¾"	58.0	50.0
1"	69.0	52.0
1 ¼"	81.0	70.0
1 ½"	89.0	76.0
2"	110.0	83.0
2 ½"	136.0	109.0
3"	163.0	119.0
4"	192.0	155.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	(Cold working) Temperatures up to 20°C	(Hot working) Temperatures up to 120°C	Shell	Seat
½" to 2"	25.0	4.0	37.5	27.5
2 ½" to 4"	16.0	4.0	24.0	17.5
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 68°F	Temp up to 248°F	Shell	Seat
½" to 2"	362.6	58.0	543.9	398.9
2 ½" to 4"	232.1	58.0	348.1	253.8

Temperature range - 10°C + 120°C (non shock)

Material specification

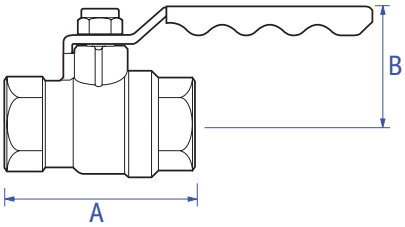
Nr	Component	Material
1	Body	Brass - CW617N, chrome plated (½" to 2") Forged brass, chrome plated (2 ½" to 4")
2	Body cap	Brass - CW617N, chrome plated (½" to 2") Forged brass, chrome plated (2 ½" to 4")
3	Ball	Brass, chrome plated
4	Stem	Brass, chrome plated
5	Gland nut	Brass, chrome plated
6	Gland packing	P.T.F.E.
7	Seats	P.T.F.E.
8	Lever handle	Dip coated on chrome plated steel
9	Handle nut	Steel
10	Friction washer	P.T.F.E.
11	'O' ring stem seal	Nitrile

Applications

water | oil | compressed air

specification

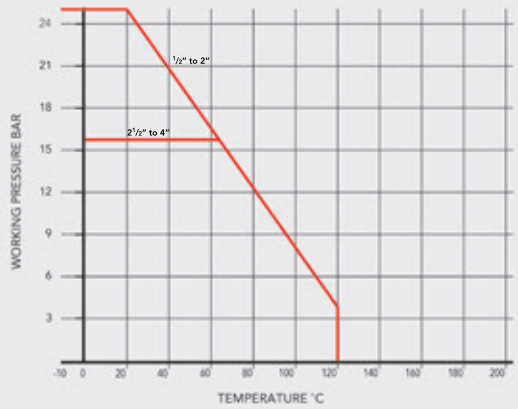
- red lever handle
- PN25 to ½" to 2"
- PN16 2½"to 4"
- full bore
- quarter turn operation
- P.T.F.E. (Teflon) ball seals
- P.T.F.E. gland
- taper thread BS EN 10226 (ISO7-1)
- ISO 228 BS 2771 parallel thread (PT)
- ANSI (NPT) American taper thread (AT)



Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



PB500 Brass full bore quarter turn ball valve

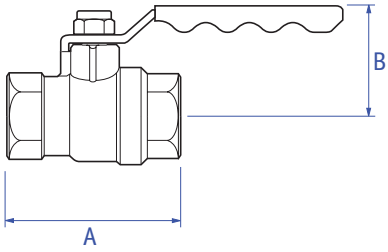
red lever, female ends, PN25

DN	Connection	ISO7-1 Rc (taper)	ISO 288 (PT)	ANSI (NPT) (AT)	Total (kg)	Cv	Kv
DN8	¼"	242001		242021	0.15	6.9	5.9
DN10	⅜"	242002		242022	0.15	11.0	9.4
DN15	½"	242003	242043	242023	0.23	19.9	17.0
DN20	¾"	242004	242044	242024	0.40	48.0	41.0
DN25	1"	242005	242045	242025	0.61	81.9	70.0
DN32	1 ¼"	242006	242046	242026	0.95	141.6	121.0
DN40	1 ½"	242007	242047	242027	1.33	234.0	200.0
DN50	2"	242008	242048	242028	2.18	341.6	292.0
DN65	2 ½"	242009	242049	242029	3.75	626.0	535.0
DN80	3"	242010	242050	242030	6.20	994.5	850.0
DN100	4"	242011	242051	242031	10.45	1591.2	1360.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

specification

- all sizes PN25
- full bore
- quarter turn operation
- Blow-out and vandal-proof assembly
- ¼" to 4" sizes
- P.T.F.E. (Teflon) ball seals
- Viton "O" ring stem seal
- BS21 taper thread
- ANSI (NPT) American taper thread (AT)
- BS2779 parallel thread (PT)



Connection	Dimensions (mm) A	Dimensions (mm) B Centre line to lever
¼"	48.0	35.0
⅜"	48.5	35.0
½"	59.0	39.0
¾"	67.5	50.0
1"	79.5	55.0
1 ¼"	95.0	62.0
1 ½"	100.0	77.5
2"	122.0	84.0
2 ½"	150.0	97.0
3"	177.0	122.0
4"	214.0	136.0

Pressure equipment directive category

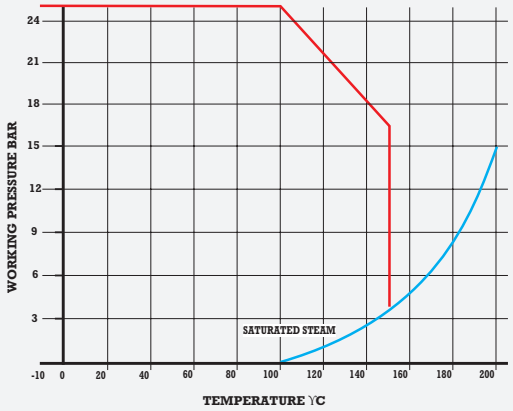
Size	¼"	⅜"	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Maximum pressure conditions

Size	Maximum pressure conditions (bar) (Cold working) Temperatures up to 100°C	Maximum pressure conditions (bar) (Hot working) Temperatures up to 150°C	Test pressures (bar) Shell	Test pressures (bar) Seat
¼" to 4"	25.0	16.5	37.5	27.5
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	**Temp up to 302°F**	**Shell**	**Seat**
¼" to 4"	362.6	239.0	543.9	398.9

Temperature range - 10°C + 120°C (non shock)

Pressure & temperature ratings



Material specification

Nr	Component	Material
1	Body	Forged brass, chrome plated (¼" to 2") Gravity die cast brass, chrome plated (2 ½" to 4")
2	Body cap	Forged brass (¼" to 2") gravity die cast brass (2 ½" to 4")
3	Ball	Brass bar, chrome plated (¼" to ½") Forged brass, chrome plated (¾" to 2") Gravity die cast brass, chrome plated (2 ½" to 4")
4	Stem	Brass bar
5	Seats	P.T.F.E. (Teflon)
6	Thrust washer	P.T.F.E. (Teflon)
7	Stem 'O' ring	Viton
8	Red lever	High temperature PVC insulated zinc plated steel
9	Nut (self locking)	Zinc plated steel

Applications

steam | water | oil | compressed air

Air maximum - 10 bar

PB500T Brass full bore quarter turn ball valve

red T handle, female ends, PN25

DN	Connection	ISO 228 (PT)	Total (kg)	Cv	Kv
DN8	¼"	243021	0.15	6.9	5.9
DN10	⅜"	243022	0.15	11.0	9.4
DN15	½"	243023	0.22	19.9	17.0
DN20	¾"	243024	0.38	48.0	41.0
DN25	1"	243025	0.58	81.9	70.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B
¼"	48.0	36.5
⅜"	48.5	36.5
½"	59.0	40.0
¾"	67.5	50.5
1"	79.5	55.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	(Cold working) Temperatures up to 100°C	(Hot working) Temperatures up to 150°C	Shell	Seat
¼" to 1"	25.0	16.0	37.5	27.5
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 302°F	Shell	Seat
¼" to 1"	362.6	239.0	543.9	398.9

Temperature range - 10°C + 150°C (non shock)

Material specification

Nr	Component	Material
1	Body	Forged brass, chrome plated
2	End piece	Forged brass, chrome plated
3	Ball	Forged brass, brass bar, chrome plated
4	Stem	Brass bar
5	Seats	P.T.F.E. (Teflon)
6	Thrust washer	P.T.F.E. (Teflon)
7	Stem 'O' ring	Viton

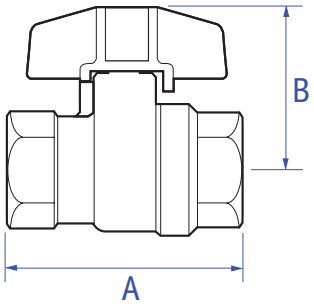
Applications

steam | water | oil | compressed air

Air maximum - 10 bar

specification

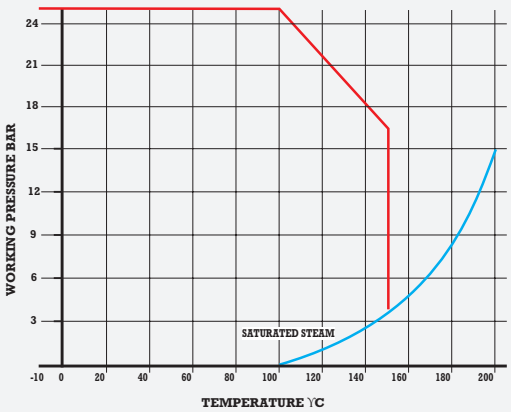
- all sizes rated PN25
- full bore
- quarter turn operation
- blow-out and vandal-proof assembly
- ¼" to 1" sizes
- P.T.F.E. (Teflon) ball seals
- Viton "O" ring stem seal
- BS2779 parallel thread (PT)



Pressure equipment directive category

Size	¼"	⅜"	½"	¾"	1"
	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



by Pegler

PB500MF & PB500MFT Brass full bore quarter turn ball valve

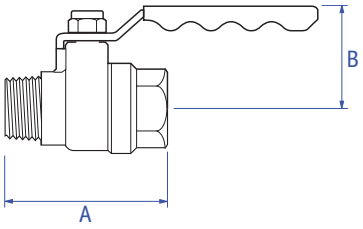
male x female, PN25

DN	Connection	MF ISO 228 (PT) internal ISO 228-1 extrenal	MFT ISO 228 (PT) internal ISO228-1 external	MF Total (kg)	MFT Total (kg)	Cv	Kv
DN10	⅜"	242150	242160	0.155	0.137	11.0	9.4
DN15	½"	242151	242161	0.218	0.197	19.7	17.0
DN20	¾"	242152	242162	0.382	0.356	48.0	41.0
DN25	1"	242153	242163	0.574	0.555	81.9	70.0
DN32	1 ¼"	242154		0.891		141.6	121.0
DN40	1 ½"	242155		1.272		234.0	200.0
DN50	2"	242156		2.074		341.6	292.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

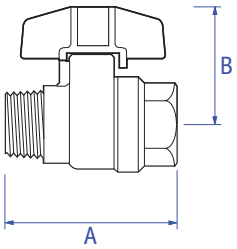
specification

- all sizes rated PN25
- full bore
- quarter turn operation
- blow-out and vandal-proof assembly
- ⅜" to 2" sizes
- P.T.F.E. (Teflon) ball seals
- Viton "O" ring stem seal
- BS2779 parallel thread (PT)



Connection	Dimensions (mm) A MF	Dimensions (mm) B MF
⅜"	53.0	35.0
½"	57.0	39.0
¾"	69.0	50.0
1"	81.0	55.0
1 ¼"	97.0	62.0
1 ½"	103.0	78.0
2"	127.0	84.0

Connection	Dimensions (mm) A MFT	Dimensions (mm) B MFT
⅜"	53.0	37.0
½"	57.0	40.0
¾"	69.0	51.0
1"	81.0	55.0



Maximum pressure conditions

Size MF/MFT	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 150°C	Shell	Seat
⅜" to 2"	25.0	16.5	37.5	27.5
Size MF/MFT	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 302°F	Shell	Seat
⅜" to 2"	362.6	239.0	543.9	398.9

Temperature range - 10°C + 150°C (non shock)

Material specification

Nr	Component	Material
1	Body	Brass, chrome plated
2	End piece	Brass, chrome plated
3	Ball	Brass, chrome plated
4	Stem	Brass bar
5	Seats	P.T.F.E.
6	Lever handle	Steel
7	Friction washer	P.T.F.E.
8	'O' ring seats	Viton
9	Rating disk	Aluminium

Applications

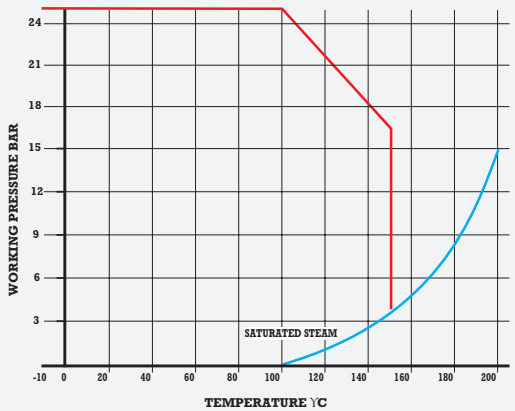
steam | water | oil | compressed air

Air maximum - 10 bar

Pressure equipment directive category

Size	⅜"	½"	¾"	1"	1 ¼"	1 ½"	2"
MF	SEP	SEP	SEP	SEP	SEP	SEP	SEP
MFT	SEP	SEP	SEP	SEP			

Pressure & temperature ratings



PB500DC Brass full bore ball valve

with drain cock and red handle, female ends, PN25

DN	Connection	ISO 228 (PT)	Total (kg)	Cv	Kv
DN8	½"	242166	0.319	19.9	17.0
DN10	¾"	242167	0.504	48.0	41.0
DN15	1"	242168	0.707	81.9	70.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½"	68.0	40.0	51.0
¾"	76.0	50.0	51.0
1"	88.0	55.0	60.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 150°C	Shell	Seat
½" to 1"	25.0	16.5	37.5	27.5
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 302°F	Shell	Seat
½" to 1"	362.6	239.0	543.9	398.9

Temperature range - 10°C + 150°C (non shock)

Material specification

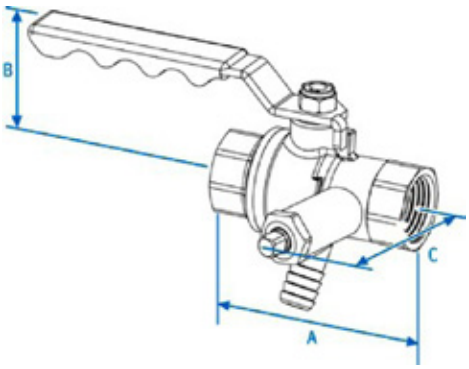
Nr	Component	Material
1	Body	Brass, chrome plated
2	Body cap	Brass, chrome plated
3	Ball	Brass, chrome plated
4	Stem	Brass, chrome plated
5	Seats	P.T.F.E.
6	Leaver handle	Steel
7	Handle nut	Steel
8	Friction washer	P.T.F.E.
9	'O' ring seals	Viton

Applications

water

specification

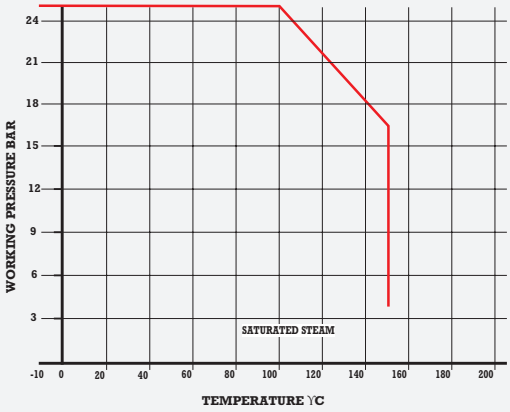
- all sizes rated PN25
- full bore
- quarter turn operation
- blow-out and vandal-proof assembly
- ½" to 1" sizes
- P.T.F.E. (Teflon) ball seals
- Viton "O" ring stem seal
- BS2779 parallel thread (PT)



Pressure equipment directive category

Size	½"	¾"	1"
	SEP	SEP	SEP

Pressure & temperature ratings



by Pegler

PB550DR DZR full bore quarter turn ball valve

blue lever, handle female ends, PN25

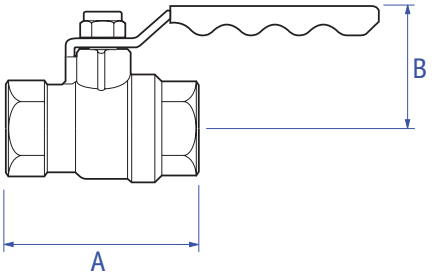
DN	Connection	ISO7-1 Rc (taper)	ISO 288 (PT)	Total (kg)	Cv	Kv
DN15	½"	245201	245150	0.23	19.9	17.0
DN20	¾"	245202	245151	0.41	48.0	41.0
DN25	1"	245203	245152	0.61	81.9	70.0
DN32	1 ¼"	245204	245153	0.94	141.6	121.0
DN40	1 ½"	245205	245154	1.33	234.0	200.0
DN50	2"	245206	245155	2.21	341.6	292.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

specification

- blue lever handle
- female ends
- all sizes rated PN25
- full bore
- blow out and vandal-proof assembly
- P.T.F.E. (Teflon) ball valves
- Viton "O" ring stem seal
- ISO7 RC (BS21) taper thread
- BS 2779 parallel thread (PT)

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	59.0	39.0
¾"	68.0	51.0
1"	80.0	56.0
1 ¼"	95.0	63.0
1 ½"	100.0	78.0
2"	124.0	88.0



Maximum pressure conditions

Size	Maximum working pressure (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 150°C	Shell	Seat
½" to 2"	25.0	16.5	37.5	27.5
Size	**Maximum working pressure (psi)**		**Test pressures (psi)**	
	Temp up to 362.6°F	**Temp up to 302°F**	**Shell**	**Seat**
½" to 2"	293.3	239.0	543.9	398.9

Temperature range - 10°C + 150°C (non shock)

Material specification

Nr	Component	Material
1	Body	DZR Brass
2	Body cap	DZR Brass
3	Ball	Brass, chrome plated
4	Stem	DZR Brass
5	Stem 'O' ring	Viton
6	Seat rings	P.T.F.E. (Teflon)
7	Lever handle	Steel
8	Lever nut (self locking)	Zinc plated steel

Pressure equipment directive category

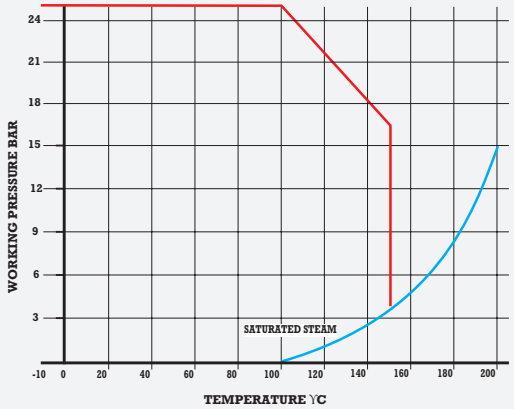
Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Applications

steam | water | oil | compressed air

Air maximum - 10 bar

Pressure & temperature ratings



PB550DR T DZR full bore quarter turn ball valve

blue T handle, female ends, PN25

DN	Connection	ISO7-1 Rc (taper)	ISO 228 Rc (parallel)	Total (kg)	Cv	Kv
DN15	½"	245211	245215	0.22	19.9	17.0
DN20	¾"	245212	245216	0.38	48.0	41.0
DN25	1"	245213		0.58	81.9	70.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	59.0	39.0
¾"	68.0	51.0
1"	80.0	56.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 150°C	Shell	Seat
½" to 1"	25.0	16.5	37.5	27.5
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 362.5°F	Temp up to 302°F	Shell	Seat
½" to 1"	293.3	239.0	543.9	398.9

Temperature range - 10°C + 150°C (non shock)

Material specification

Nr	Component	Material
1	Body	DZR Brass
2	Body cap	DZR Brass
3	Ball	Brass, chrome plated
4	Stem	DZR Brass
5	Stem 'O' ring	Viton
6	Seat rings	P.T.F.E. (Teflon)
7	Tee handle	Aluminium
8	Security screws	Brass
9	Tee handle security screw	Nickel plated brass

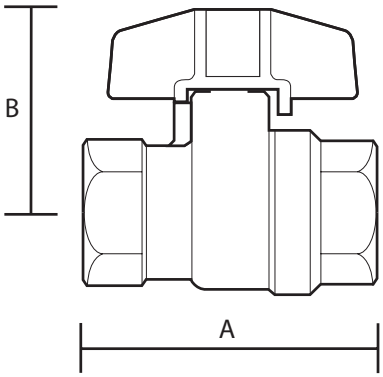
Applications

steam | water | oil | compressed air

Air maximum - 10 bar

specification

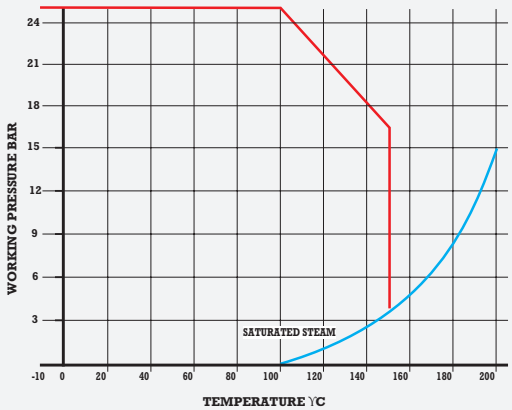
- blue tee handle
- female ends
- all sizes rated PN25
- full bore
- blow out and vandal-proof assembly
- P.T.F.E. (Teflon) ball valves
- Viton "O" ring stem seal
- BS21 taper thread
- BS 2779 parallel thread (PT)



Pressure equipment directive category

Size	½"	¾"	1"
	SEP	SEP	SEP

Pressure & temperature ratings



by Pegler

PB500 Brass full bore quarter turn ball valve

yellow lever, female ends, PN25

DN	Connection	ISO7-1 Rc (taper)	ANSI (NTP) (taper)	ISO 288 (PT)	Total (kg)	Cv	Kv
DN8	¼"	242101	242121	242060	0.15	6.9	5.9
DN10	⅜"	242102	242122	242061	0.15	11.0	9.4
DN15	½"	242103	242123	242062	0.23	19.9	17.0
DN20	¾"	242104	242124	242063	0.40	48.0	41.0
DN25	1"	242105	242125	242064	0.61	81.9	70.0
DN32	1 ¼"	242106	242126	242065	0.95	141.6	121.0
DN40	1 ½"	242107	242127	242066	1.33	234.0	200.0
DN50	2"	242108	242128	242067	2.18	341.6	292.0
DN65	2 ½"	242109		242068	3.75	626.0	535.0
DN80	3"	242110		242069	6.20	994.5	850.0
DN100	4"	242111		242070	10.45	1591.2	1360.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.
*Kv Gas - flow rate in m3 per hour at a pressure drop of 1 mbar.

Connection	Dimensions (mm) A	Dimensions (mm) B Centre line to lever
¼"	48.0	35.0
⅜"	48.5	35.0
½"	59.0	39.0
¾"	67.5	50.0
1"	79.5	55.0
1 ¼"	95.0	62.0
1 ½"	100.0	77.5
2"	122.0	84.0
2 ½"	150.0	97.0
3"	177.0	122.0
4"	214.0	136.0

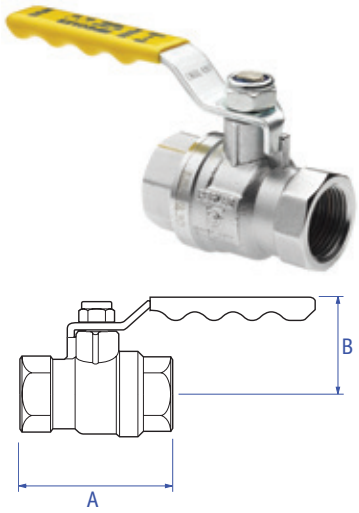
Maximum pressure conditions

Size	Maximum pressure conditions (bar) (Cold working) Temperatures up to 100°C	Maximum pressure conditions (bar) (Hot working) Temperatures up to 150°C	Test pressures (bar) Shell	Test pressures (bar) Seat
¼" to 4"	25.0	16.5	37.5	27.5
Size	**Maximum pressure conditions (psi) Temp up to 212°F**	**Maximum pressure conditions (psi) Temp up to 302°F**	**Test pressures (psi) Shell**	**Test pressures (psi) Seat**
¼" to 4"	362.6	239.0	543.9	398.9

Temperature range - 10°C + 150°C (non shock)

specification

- all sizes PN25
- full bore
- quarter turn operation
- blow-out and vandal-proof assembly
- ¼" to 4" sizes
- P.T.F.E. (Teflon) ball seals
- Viton "O" ring stem seal
- taper thread BS EN 10226 (ISO7-1)
- ANSI (NPT) American taper thread (AT)
- BS2779 parallel thread (PT)



Tested to EN331:2015
Construction Products Regulations
CE Marked 1 ¼"- 4"
Notified Body BSI0086
Declaration of Performance on
Pegler Yorkshire website

Pressure equipment directive category

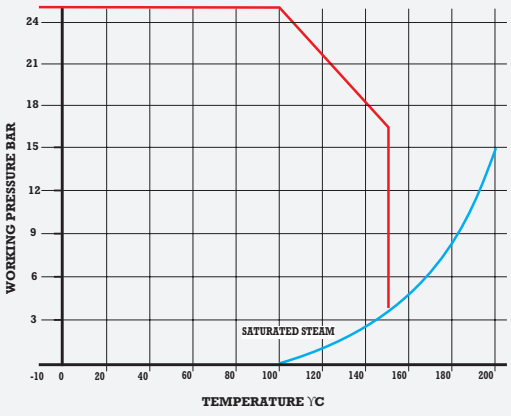
Size	¼"	⅜"	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
	SEP	SEP	SEP	SEP	SEP	CAT1	CAT1	CAT1	CAT1	CAT1	CAT1

CAT 1 - carries the CE mark.
Sizes ¼" - 2" suitable for group 1 liquids and gases.
Sizes 2¼" - 4" suitable for group 1 gases (10 bar max) and group 2 liquids

Material specification

Nr	Component	Material
1	Body	Forged brass, chrome plated (¼" to 2") Gravity die cast brass, chrome plated (2 ½" to 4")
2	End piece	Forged brass (¼" to 2") gravity die cast brass (2 ½" to 4")
3	Ball	Brass bar, chrome plated (¼" to ½") Forged brass, chrome plated (¾" to 2") Gravity die cast brass, chrome plated (2 ½" to 4")
4	Stem	Brass bar
5	Seats	P.T.F.E. (Teflon)
6	Thrust washer	P.T.F.E. (Teflon)
7	Stem 'O' ring	Viton
8	Red lever	High temperature PVC insulated zinc plated steel
9	Nut (self locking)	Zinc plated steel

Pressure & temperature ratings



Applications

water | oil | compressed air | gas inert | gas combustible | gas corrosive

[1] The valves are suitable for British gas application family groups 1, 2 and 3.
[2] Suitable in applications where moisture is completely absent.
Gas application conditions -20°C to +60°C 5 bar (British Gas MOPS)
LPG: Maximum 10 bar. Air; maximum 10 bar

PB700 Brass full bore quarter turn ball valve

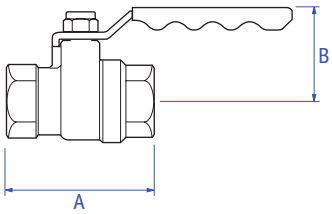
yellow lever, female ends, PN40

DN	Connection	ISO7-1 Rc (taper)	ANSI (NTP) (taper)	ISO 288 (PT)	Total (kg)	Cv	Kv	Kv gas
DN8	¼"	230001	230061		0.16	6.9	5.9	3.8
DN10	⅜"	230002	230062		0.16	11.0	9.4	4.2
DN15	½"	230003	230063	230043	0.24	19.9	17.0	11.3
DN20	¾"	230004	230064	230044	0.44	48.0	41.0	23.8
DN25	1"	230005	230065	230045	0.64	81.9	70.0	31.1
DN32	1 ¼"	230006	230066	230046	1.01	141.6	121.0	67.2
DN40	1 ½"	230007	230067	230047	1.42	234.0	200.0	101.5
DN50	2"	230008	230068	230048	2.38	341.6	292.0	148.0
DN65	2 ½"	230009	230069	230049	4.14	626.0	535.0	
DN80	3"	230010	230070	230050	6.71	994.5	850.0	
DN100	4"	242011	230071	230051	10.98	1591.2	1360.0	

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.
*Kv Gas - flow rate in m3 per hour at a pressure drop of 1 mbar.

specification

- all sizes rated PN40
- full bore
- quarter turn operation
- blow-out and vandal-proof assembly
- ¼" to 4"
- P.T.F.E. (Teflon) ball seals
- double "O" ring Viton stem seals
- taper thread BS EN10226 (ISO7-1)
- ANSI (NPT) American taper thread (AT)
- BS2779 parallel thread (PT)



Connection	Dimensions (mm) A	Dimensions (mm) B Centre line to lever
¼"	48.0	35.0
⅜"	49.0	35.0
½"	59.0	39.0
¾"	67.5	50.0
1"	79.5	55.0
1 ¼"	95.0	62.0
1 ½"	100.0	77.5
2"	124.5	88.0
2 ½"	150.0	97.0
3"	177.0	122.0
4"	214.0	136.0

Tested to EN331:2015
Construction Products Regulations
CE Marked 1 ¼"- 4"
Notified Body BSI0086
Declaration of Performance on Pegler Yorkshire website

Maximum pressure conditions

Size	Maximum pressure conditions (bar) Temp up to 110°C	Maximum pressure conditions (bar) Temp up to 186°C	Test pressures (bar) Shell	Test pressures (bar) Seat
¼" to 4"	40.0	10.0	60.0	44.0

Size	Maximum pressure conditions (psi) Temp up to 212°F	Maximum pressure conditions (psi) Temp up to 302°F	Test pressures (psi) Shell	Test pressures (psi) Seat
¼" to 4"	580.2	145.0	870.2	638.2

Temperature range - 10°C + 186°C (non shock)

Pressure equipment directive category

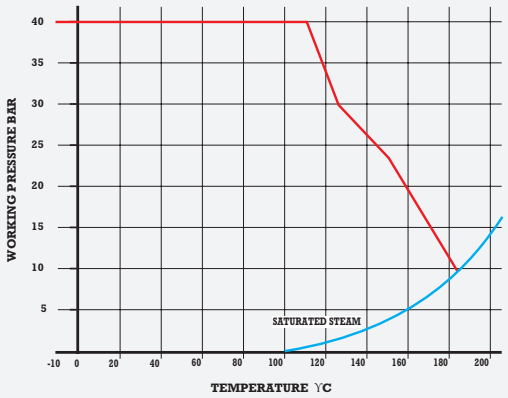
Size	¼"	⅜"	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
	SEP	SEP	SEP	SEP	SEP	CAT1	CAT1	CAT1	CAT1	CAT1	CAT1

CAT 1 - carries the CE mark.
Sizes ¼" - 2" suitable for group 1 liquids and gases.
Sizes 2¼" - 4" suitable for group 1 gases (10 bar max) and group 2 liquids

Material specification

Nr	Component	Material
1	Body	Forged brass, chrome plated (¼" to 2") Gravity die cast brass, chrome plated (2 ½" to 4")
2	Body cap	Forged brass (¼" to 2") gravity die cast brass (2 ½" to 4") Gravity die cast brass, chrome plated (2 ½" to 4")
3	Ball	Brass bar, chrome plated (¼" to ½") Forged brass, chrome plated (¾" to 2") Gravity die cast brass, chrome plated (2 ½" to 4")
4	Stem	Brass bar
5	Seats	P.T.F.E. (Teflon)
6	Thrust washer	P.T.F.E. (Teflon)
7	Stem 'O' ring	Viton
8	Red lever	High temperature PVC insulated zinc plated steel
9	Nut (self locking)	Zinc plated steel

Pressure & temperature ratings



Applications

water | oil | compressed air | gas inert | gas combustible | gas corrosive

' The valves are suitable for British gas application family groups 1, 2 and 3.
'' Suitable in applications where moisture is completely absent.
Gas application conditions -20°C to +60°C 5 bar (British Gas MOP5)
LPG: Maximum 10 bar. Air; maximum 10 bar

PB700T Brass full bore quarter turn ball valve

yellow T handle, female ends, PN40

DN	Connection	ISO7-1Rc (taper)	Total (kg)	Cv	Kv	Kv gas
DN8	¼"	231001	0.14	6.9	5.9	3.8
DN10	⅜"	231002	0.26	11.0	9.4	4.2
DN15	½"	231003	0.27	19.9	17.0	11.3
DN20	¾"	231004	0.49	48.0	41.0	23.8
DN25	1"	231005	0.72	81.9	70.0	31.1

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.
*Kv Gas - flow rate in m3 per hour at a pressure drop of 1 mbar.

Connection	Dimensions (mm) A	Dimensions (mm) B centre line to lever
¼"	48.0	36.5
⅜"	48.5	36.5
½"	59.0	40.0
¾"	67.5	50.5
1"	79.5	55.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 110°C	Temp up to 186°C	Shell	Seat
¼" to 1"	40.0	10.0	60.0	44.0
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 389°F	Shell	Seat
¼" to 1"	580.2	145.0	870.2	638.2

Temperature range - 10°C + 186°C (non shock)

Material specification

Nr	Component	Material
1	Body	Forged brass, chrome plated (¼" to 1")
2	Body cap	Forged brass, chrome plated (¼" to 1")
3	Ball	Brass, chrome plated
4	Stem	Brass bar
5	Seats	P.T.F.E. (Teflon)
6	Thrust washer	P.T.F.E. (Teflon)
7	Stem 'O' ring	Viton
8	Yellow tee handle	Alluminium, painted
9	Security screws	Nickel plated brass

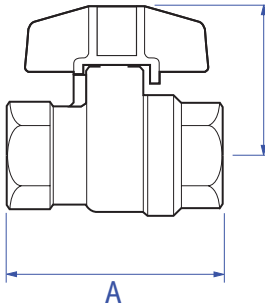
Applications

water | oil | compressed air | gas inert | gas combustible | gas corrosive

† The valves are suitable for British gas application family groups 1, 2 and 3.
†† Suitable in applications where moisture is completely absent.
Gas application conditions -20°C to +60°C 5 bar (British Gas MOPS)
LPG: Maximum 10 bar. Air; maximum 10 bar

specification

- all sizes rated PN40
- full bore
- quarter turn operation
- blow-out and vandal-proof assembly
- ¼" to 4"
- P.T.F.E. (Teflon) ball seals
- double "O" ring Viton stem seals
- taper thread BS EN10226 (ISO7-1)



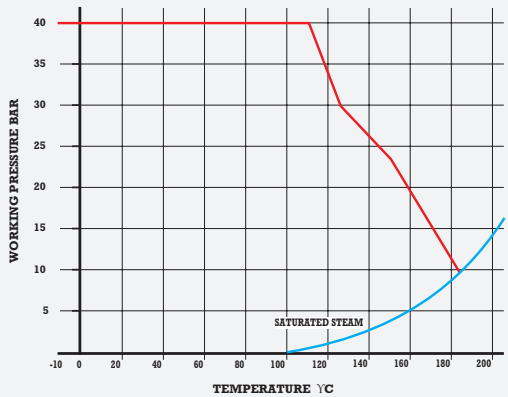
Tested to EN331:2015
Declaration of Performance on Pegler Yorkshire website

Pressure equipment directive category

Size	¼"	⅜"	½"	¾"	1"
	SEP	SEP	SEP	SEP	SEP

Sizes ¼" to 1" suitable for group 1 liquids and gases.

Pressure & temperature ratings



PB300 Brass full bore quarter turn ball valve

red lever hanlde, compression ends, PN16

Compression connections EN1254-2	Code	Total (kg)	Cv	Kv
15mm	254001	0.24	9.9	17.0
22mm	254002	0.41	48.0	41.0
28mm	254003	0.59	81.9	70.0
35mm	254004	0.87	141.6	121.0
42mm	254005	1.46	234.0	200.0
54mm	254006	2.35	341.6	292.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B centre line to lever
15mm	77.0	46.0
22mm	85.0	54.0
28mm	100.0	57.0
35mm	120.0	62.0
42mm	135.0	77.0
54mm	160.0	84.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar) (Cold working) Temperatures up to 30°C	Maximum pressure conditions (bar) (Hot working) Temperatures up to 120°C	Test pressures (bar) Shell	Test pressures (bar) Seat
15 to 54mm	16.0	5.0	24.0	17.5

Size	Maximum pressure conditions (psi) Temp up to 212°F	Maximum pressure conditions (psi) Temp up to 302°F	Test pressures (psi) Shell	Test pressures (psi) Seat
15 to 54mm	232.1	72.5	348.1	253.8

Temperature range - 10°C + 120°C (non shock)

Material specification

Nr	Component	Material
1	Body	Forged brass, chrome plated
2	Body cap	Forged brass, chrome plated
3	Ball	Brass bar, chrome plated (15mm) Forged brass, chrome plated (22 to 54mm)
4	Stem	Brass bar
5	Seats	P.T.F.E. (Teflon)
6	Thrust washer	P.T.F.E. (Teflon)
7	Stem 'O' ring	Viton
8	Lever (Red, Yellow or Blue)	High temperature PVC insulated zinc plated steel
9	Nut (self locking)	Zinc plated steel
10	Compression nut	Forged brass, chrome plated
11	Compression cone	Brass

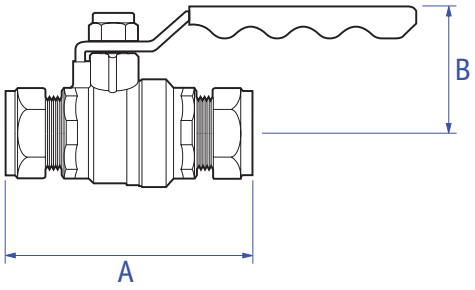
Applications

water | oil | compressed air | gas inert | gas combustible | gas corrosive

† The valves are suitable for British Gas Applications Family Gases 1, 2 and 3
†† Suitable in applications where moisture is completely absent.
Gas Application Conditions: -20°C to +60°C maximum 5 bar. BritishGas (MOP 5). LPG: maximum 10 bar. Air: maximum 10 bar.

specification

- all sizes rated PN16
- full bore
- quarter turn operation
- blow-out and vandal-proof assembly
- 15 to 54mm sizes
- P.T.F.E. (Teflon) ball seals
- Viton "O" ring stem seal
- Prestex compression ends to EN1254/2 (formerly BS864/2)



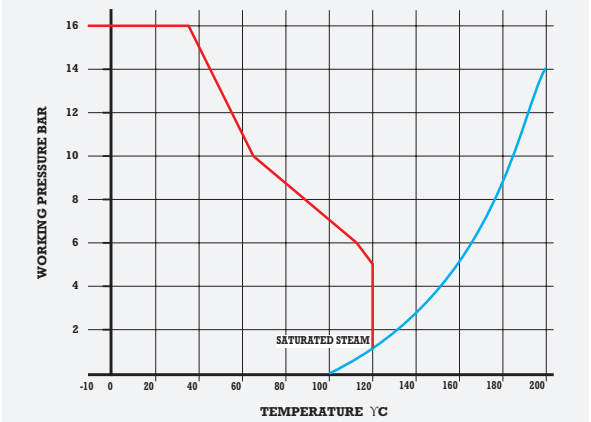
Tested to EN331:2015
Construction Products Regulations
CE Marked 35mm - 54mm
Notified Body BSI0086
Declaration of Performance on
Pegler Yorkshire website

Pressure equipment directive category

Size	15mm	22mm	28mm	35mm	42mm	54mm
	SEP	SEP	SEP	Cat 1	Cat 1	Cat 1

Cat 1 carries CE Mark suitable for group 1 liquids and gases and group 2 liquids

Pressure & temperature ratings



PB300T Brass full bore quarter turn ball valve

red T handle, compression ends, PN16

by Pegler

Compression connections EN1254-2	Code	Total (kg)	Cv	Kv
15mm	255001	0.22	19.9	17.0
22mm	255002	0.39	48.0	41.0
28mm	255003	0.56	81.9	70.0

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B centre line to lever	Dimensions (mm) C tee length
15mm	77.0	42.0	50.0
22mm	85.0	54.0	60.0
28mm	100.0	57.0	60.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar) (Cold working) Temperatures up to 30°C	Maximum pressure conditions (bar) (Hot working) Temperatures up to 120°C	Test pressures (bar) Shell	Test pressures (bar) Seat
15 to 28mm	16.0	5.0	24.0	17.6

Size	Maximum pressure conditions (psi) Temp up to 86°F	Maximum pressure conditions (psi) Temp up to 248°F	Test pressures (psi) Shell	Test pressures (psi) Seat
15 to 28mm	232.1	72.5	348.1	253.8

Temperature range - 10°C + 120°C (non shock)

Material specification

Nr	Component	Material
1	Body	Forged brass, chrome plated
2	Body cap	Forged brass, chrome plated
3	Ball	Brass bar, chrome plated (15mm) Forged brass, chrome plated (22 to 28mm)
4	Stem	Brass bar
5	Seats	P.T.F.E. (Teflon)
6	Thrust washer	P.T.F.E. (Teflon)
7	Stem'O' ring	Viton
8	Compression nut	Forged brass, chrome plated
9	Compression cone	Brass
10	Tee handle (Red, Blue or Yellow)	Aluminium, painted
11	Security screw	Nickel plated brass

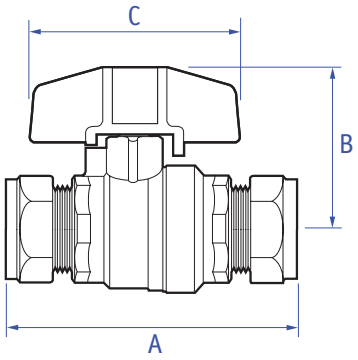
Applications

steam | water | oil | compressed air

† The valves are suitable for British Gas Applications Family Gases 1, 2 and 3
†† Suitable in applications where moisture is completely absent.
Gas Application Conditions: -20°C to +60°C maximum 5 bar. BritishGas (MOP 5). LPG: maximum 10 bar.
Air: maximum 10 bar.

specification

- all sizes rated PN16
- full bore
- quarter turn operation
- blow-out and vandal-proof assembly
- sizes 15 to 28mm
- P.T.F.E. (Teflon) ball seals
- Viton "O" ring stem seal
- Prestex compression ends to EN1254/2

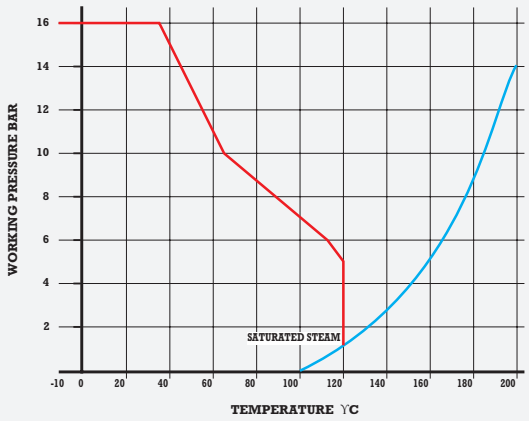


Tested to EN331:2015
Declaration of Performance on Pegler Yorkshire website

Pressure equipment directive category

Size	15mm	22mm	28mm
	SEP	SEP	SEP

Pressure & temperature ratings



V905 V905G Ductile iron butterfly valve PN16

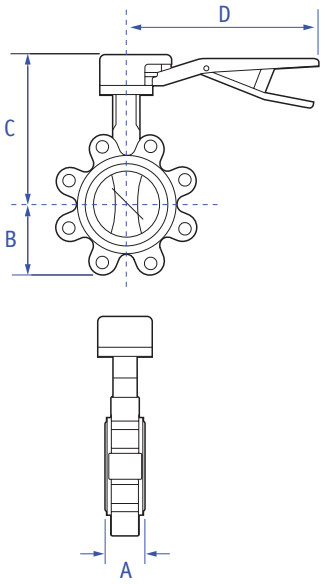
fully lugged to BS EN 593:2004, face to face dimensions to BS EN 558:2008

DN	Connection	Code	Total (kg)	Kv
DN65	2 ½"	15300	5.8	229.3
DN80	3"	15301	6.0	353.3
DN100	4"	15302	10.3	702.0
DN125	5"	15303	13.5	1195.7
DN150	6"	15304	14.6	1874.4
DN200	8"	15305	21.4	3669.1
DN250*	10"	15306	42.0	6247.8
DN300*	12"	15307	67.0	9652.5

*Geared wheel operation, V905G

specification

- fully lugged to BS EN 593:2004
- face to face dimensions to BS EN 558:2008
- quarter turn
- stainless steel disc and stem
- EPDM Liner
- all sizes rated DN16



DN	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C	Dimensions (mm) D
DN65	46.0	70.0	181.0	200.0
DN80	46.0	89.0	187.0	200.0
DN100	52.0	106.0	211.0	290.0
DN125	56.0	120.0	226.0	290.0
DN150	56.0	132.0	239.0	290.0
DN200	60.0	164.0	293.0	450.0
DN250*	68.0	200.0	469.0	341.0
DN300*	78.0	238.0	494.0	341.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar) Temp up to 120°C	Temp up to 120°C	Test pressures (bar) Shell	Seat
DN65 to DN300	16.0	16.0	24.0	17.5
Size	**Maximum pressure conditions (psi) Temp up to 248°F**	**Temp up to 248°F**	**Test pressures (psi) Shell**	**Seat**
DN65 to DN300	232.1	232.1	348.1	253.8

Temperature range - 10°C + 120°C WRAS approved temperature 100°C maximum

Material specification

Nr	Component	Material
1	Body	Ductile iron
2	Shaft	Stainless steel
3	Disk	Stainless steel
4	Bushes up to 100mm	P.T.F.E.
5	Bushes up to 125mm	Bronze (GM)
6	'O' ring	EPDM
7	Liner	EPDM

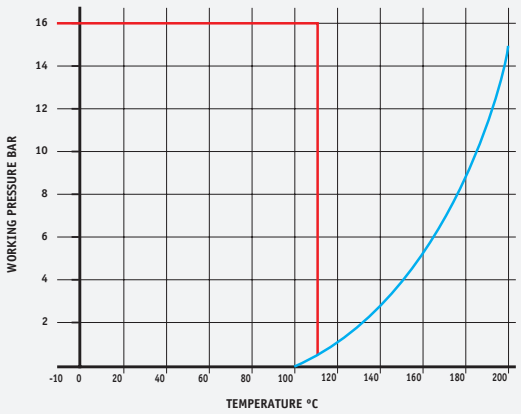
Applications

water

Pressure equipment directive category

Size	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



by Pegler

V906 V906G Cast iron butterfly valve PN16

semi-lugged to BS EN 593:2004, face to face dimensions to BS EN 558:2008

WRAS APPROVED PRODUCT

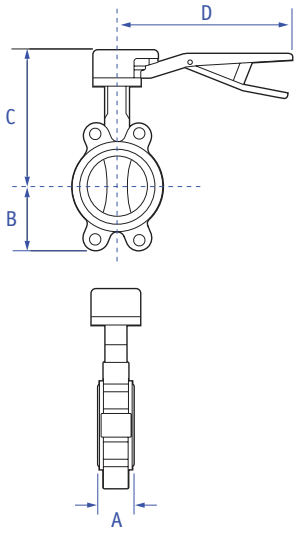
DN	Connection	Code	Total (kg)	Kv
DN65	2 ½"	15316	4.4	229.3
DN80	3"	15317	5.0	353.3
DN100	4"	15318	6.1	702.0
DN125	5"	15319	8.0	1195.7
DN150	6"	15320	9.6	1874.4
DN200	8"	15321	15.1	3669.1
DN250*	10"	15322	31.5	6247.8
DN300*	12"	15323	50.5	9652.5

*Geared wheel operation, V906G

specification

- semi lugged to BS EN 593:2004
- face to face dimensions to BS EN 558:2008
- quarter turn
- stainless steel disc and stem
- EPDM liner
- all sizes rated DN16

DN	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C	Dimensions (mm) D
DN65	46.0	70.0	181.0	200.0
DN80	46.0	89.0	187.0	200.0
DN100	52.0	106.0	211.0	290.0
DN125	56.0	120.0	226.0	290.0
DN150	56.0	132.0	239.0	290.0
DN200	60.0	164.0	293.0	450.0
DN250*	68.0	200.0	469.0	341.0
DN300*	78.0	238.0	494.0	341.0



Maximum pressure conditions

Size	Maximum pressure conditions (bar) Temp up to 120°C	Maximum pressure conditions (bar) Temp up to 120°C	Test pressures (bar) Shell	Test pressures (bar) Seat
DN65 to DN300	16.0	16.0	24.0	17.5
Size	**Maximum pressure conditions (psi) Temp up to 248°F**	**Maximum pressure conditions (psi) Temp up to 248°F**	**Test pressures (psi) Shell**	**Test pressures (psi) Seat**
DN65 to DN300	232.1	232.1	348.1	253.8

Temperature range - 10°C + 120°C WRAS approved temperature 100°C maximum

Material specification

Nr	Component	Material
1	Body	Cast iron
2	Shaft	Stainless steel
3	Disk	Stainless steel
4	Bushes up to 100mm	P.T.F.E.
5	Bushes up to 125mm	Bronze (GM)
6	'O' ring	EPDM
7	Liner	EPDM

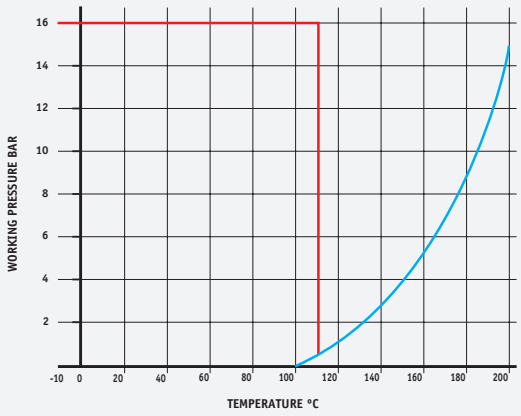
Applications

water

Pressure equipment directive category

Size	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



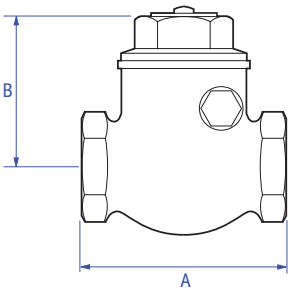
1060A Bronze (GM) threaded swing check valve

BS EN 5154, PN25 series B, metal disk

DN	Connection	ISO7-1 Rc (taper)	ISO 228 (PT)	ANSI NPT (AT) (taper)	Total (kg)
DN15	½"	122007	122047	122027	0.38
DN20	¾"	122008	122048	122028	0.58
DN25	1"	122009	122049	122029	0.86
DN32	1 ¼"	122010	122050	122030	1.26
DN40	1 ½"	122011	122051	122031	1.66
DN50	2"	122012	122052	122032	2.66
DN65	2 ½"	122013	122053	122033	3.52
DN80	3"	122014	122054	122034	4.48
DN100	4"	122015	122055		8.38

specification

- BS5154 PN25 series B
- horizontal or vertical fixing (upward flow only)
- metal seat and swing type metal disk
- body arrow indicates direction of flow
- taper threaded BS EN 10226 (ISO 7-1)
- ANSI (NPT) American taper thread (AT)
- BS2779 parallel thread (PT)



Flow rates m³/h

Size	Flow l/s	Kv m³/h	Cv - US GPM	Size	Flow l/s	Kv m³/h	Cv - US GPM
½"	0.04	1.80	2.10	1 ½"	0.40	30.30	34.80
	0.10	3.70	4.30		0.60	40.20	46.20
	0.20	5.10	5.90		0.80	48.50	55.70
	0.40	5.70	6.50		3.00	54.40	62.50
¾"	0.04	2.70	3.10	2"	0.60	42.00	48.30
	0.10	5.50	6.30		0.80	54.00	62.00
	0.40	13.60	15.60		1.50	86.20	99.00
	1.00	15.30	17.60		4.00	98.00	112.60
1"	0.01	7.70	8.80	2 ½"	1.50	97.60	
	0.20	13.90	16.00		3.00	135.30	
	0.30	18.40	21.10		4.00	156.00	
1 ¼"	0.20	15.00	17.20	3"	2.00	144.60	
	0.30	20.60	23.70		3.00	168.40	
	0.40	25.30	29.10		5.00	229.00	
	1.00	32.60	37.50				

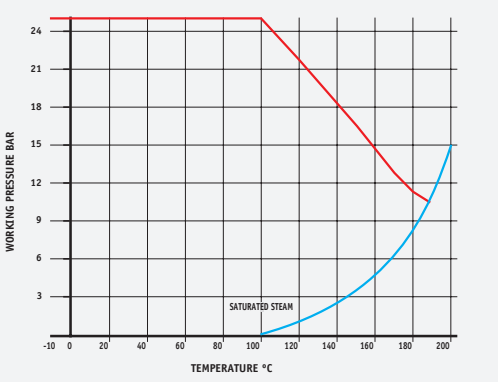
*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

Connection	Dimensions (mm) A	Dimensions (mm) B lever
½"	62.0	45.0
¾"	76.0	55.0
1"	83.0	60.0
1 ¼"	94.0	65.0
1 ½"	105.0	75.0
2"	125.0	90.0
2 ½"	148.0	110.0
3"	175.0	125.0
4"	222.0	130.0

Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 186°C	Shell	Seat
½" to 2"	25.0	10.5	37.5	27.5
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 367°F	Shell	Seat
½" to 2"	362.6	152.3	543.9	398.9
	Temp up to 110°F	Temp up to 140°F	Shell	Seat
2 ½" to 4"	16.0	10.0	24.0	17.5
	Temp up to 212°F	Temp up to 367°F	Shell	Seat
2 ½" to 4"	232.1	145.0	348.1	253.8

Temperature range - 10°C + 186°C

Material specification

Nr	Component	Material
1	Body	Bronze (GM)
2	Cap	Forged brass (½" to 2") Gunmetal (2 ¼" to 4")
3	Valve	Bronze (GM)
4	Swinger	Brass bar (½" to 1") Gunmetal (1 ¼" to 4")
5	Swinger pin	Brass bar
6	Swinger pin cap	Brass bar (2 ½" to 4")
7	Nut	Brass bar
8	Rating disk	Tinned iron sheet

Applications

steam | water | oil

1039 Bronze (GM) horizontal lift check valve

female ends, PN32

DN	Connection	ISO7-1 Rc (taper)	ISO 288 (PT)	Total (kg)
DN15	½"	119007	119047	0.28
DN20	¾"	119008	119048	0.44
DN25	1"	119009	119049	0.68
DN32	1 ¼"	119010	119050	1.14
DN40	1 ½"	119011	119051	1.46
DN50	2"	119012	119052	2.24

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	57.0	30.0
¾"	65.0	40.0
1"	78.0	48.0
1 ¼"	89.0	55.0
1 ½"	100.0	60.0
2"	121.0	65.0

Maximum pressure conditions

	Maximum pressure conditions (bar)		Test pressures (bar)	
Size	Temp up to 100°C	Temp up to 198°C	Shell	Seat
½" to 2"	32.0	14.0	48.0	35.2
	Maximum pressure conditions (psi)		**Test pressures (psi)**	
Size	Temp up to 86°F	Temp up to 248°F	Shell	Seat
½" to 2"	464.1	203.1	696.1	510.5

Temperature range - 10°C + 198°C (non shock)

Material specification

Nr	Component	Material
1	Body	Bronze (GM)
2	Cap	Brass
3	Disk	Brass

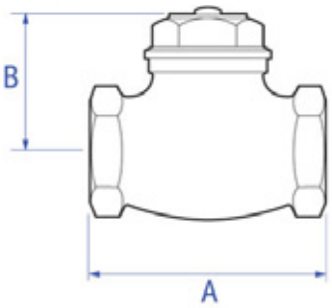
Applications

water

oil

specification

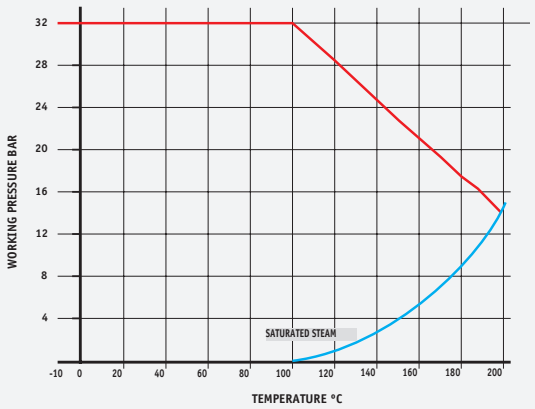
- BS5154 PN32 series B
- horizontal fixing
- metal seat and prong type metal disk
- body arrow indicates direction of flow
- taper threaded BS EN 10226 (ISO 7-1)
- BS2779 parallel thread (PT)



Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



10638 Bronze (GM) swing check valve

BS 5154 PN20 series B, female ends

DN	Connection	ISO7-1 Rc (taper)	ISO 288 (PT) parallel	Kv
DN15	½"	122360	122370	8.53
DN20	¾"	122361	122371	15.55
DN25	1"	122362	122372	26.27
DN32	1 ¼"	122363	122373	46.49
DN40	1 ½"	122364	122374	64.77
DN50	2"	122365	122375	112.24

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	52.0	90.0
¾"	56.0	104.0
1"	65.0	124.0
1 ¼"	73.0	139.0
1 ½"	76.0	156.0
2"	90.0	194.0

Maximum pressure conditions

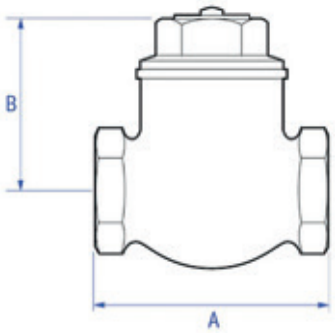
Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 180°C	Shell	Seat
½" to 2"	20.0	9.0	30.0	22.0
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 356°F	Shell	Seat
½" to 2"	290.1	130.5	435.1	318.1

Material specification

Nr	Component	Material
1	Body	Bronze (GM)
2	Cap	Bronze (GM)
3	Hinge	Bronze (GM)
4	Pin	Brass
5	Disk	Bronze (GM)
6	ID plate	Aluminium
7	Screw and nut	Brass

specification

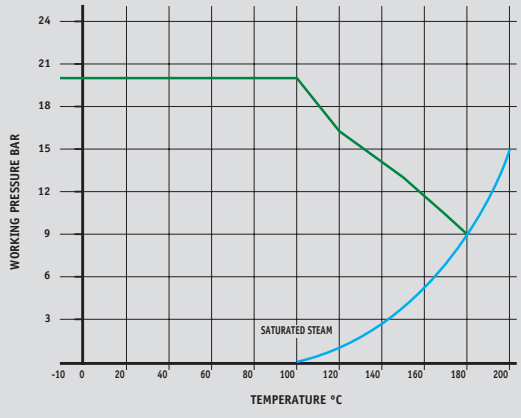
- BS5154 PN20 series B
- horizontal or vertical fixing (upward flow only)
- metal seat and swing type metal disk
- body arrow indicates direction of flow
- taper threaded BS EN 10226 (ISO 7-1)
- ANSI (NPT) American taper thread (AT)
- BS2779 parallel thread (PT)



Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



1062 Forged brass swing check valve

metal disk, female ends, PN25

DN	Connection	ISO7-1 Rc (taper)	ISO 288 (PT) parallel	Total (kg)
DN15	½"	124007	124013	0.27
DN20	¾"	124008	124014	0.48
DN25	1"	124009	124015	0.72

Flow rates m^3/h

Size	Flow l/s	Kv m^3/h
½"	0.04	1.80
	0.10	3.70
	0.20	5.10
	0.40	5.70
¾"	0.04	2.70
	0.10	5.50
	0.40	13.60
	1.00	15.30
1"	0.01	7.70
	0.20	13.90
	0.30	18.40
	1.00	25.30

*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.
MINIMUM OPERATING CONDITIONS
Sizes ½" to 1" require 0.5 bar (7.25 psi) minimum line pressure with a defferential pressure of 1 to 1.5 psi to allow the valve to function

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	58.0	34.0
¾"	72.0	40.0
1"	83.0	51.0

Maximum pressure conditions

	Maximum pressure conditions (bar)		Test pressures (bar)	
Size	Temp up to 100°C	Temp up to 186°C	Shell	Seat
½" to 1"	25.0	10.5	37.5	27.5
	Maximum pressure conditions (psi)		**Test pressures (psi)**	
Size	Temp up to 212°F	Temp up to 302°F	Shell	Seat
½" to 1"	362.6	152.3	543.9	398.9

Temperature range - 10°C + 186°C (non shock)

Material specification

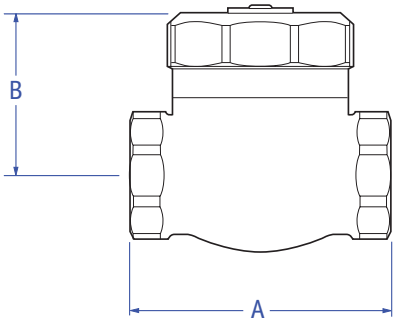
Nr	Component	Material
1	Body	Forged brass (½" to ¾") Gravity die cast brass (1")
2	Cap	Forged brass
3	Swinger	Brass bar
4	Swinger pin	Brass bar
5	Bush	Brass bar
6	Valve	Brass bar
7	Nut	Brass bar
8	Rating disk	Aluminium

Applications

steam | water | oil

specification

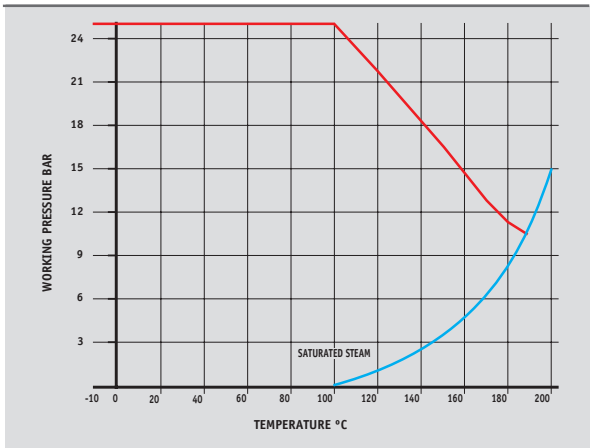
- BS5154 PN25 series B
- horizontal or vertical fixing (upward flow only)
- metal seat and swing type metal disk
- body arrow indicates direction of flow
- taper threaded BS EN 10226 (ISO 7-1)
- ANSI (NPT) American taper thread (AT)



Pressure equipment directive category

Size	½"	¾"	1"
	SEP	SEP	SEP

Pressure & temperature ratings



1063 Forged brass spring action check valve

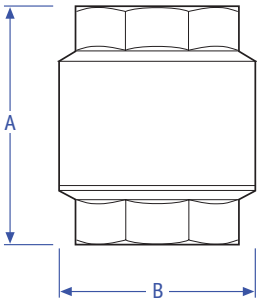
female ends

DN	Connection	ISO 288 (PT)	Total (kg)
DN15	½"	124121	0.12
DN20	¾"	124122	0.23
DN25	1"	124123	0.21
DN32	1 ¼"	124124	0.33
DN40	1 ½"	124125	0.49
DN50	2"	124126	0.63
DN65	2 ½"	124127	1.18
DN80	3"	124128	1.91
DN100	4"	124129	2.91

specification

- forged brass body
- PN12 - 8 bar
- stainless steel springs
- ABS pin and washer
- BS 2779 Parallel thread (PT)

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	50.0	34.0
¾"	58.0	42.0
1"	62.0	47.0
1 ¼"	66.0	59.0
1 ½"	76.0	69.0
2"	87.0	85.0
2 ½"	100.0	103.0
3"	110.0	112.0
4"	114.0	145.0



Maximum pressure conditions

Size	Maximum pressure conditions	
	bar	psi
½" to ¾"	12.0	174.0
1" to 2"	10.0	145.0
2 ½" to 4"	8.0	116.0

These are maximum permissible working pressures

Size	Maximum pressure conditions	
	Temp °C	Temp °F
½" to 4"	90.0	194.0

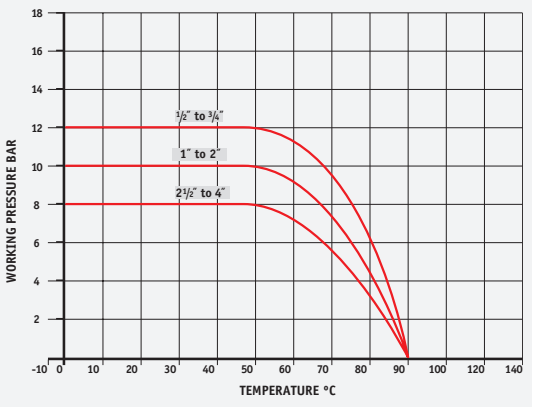
Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Material specification

Component	Material
Pin	ABS
Pin washer	ABS
Body	Brass
Sealing washer	EPDM Rubber
Spring	Stainless steel 18/8
Filter	Stainless steel 18/8
Filter / body connection	ABS

Pressure & temperature ratings



Applications

water

1064 Forged brass foot valve

female end with filter

DN	Connection	ISO 228 (PT)	ANSI (NTP) (taper) (AT)	Total (kg)
DN15	½"	124271	124291	0.13
DN20	¾"	124272	124292	0.20
DN25	1"	124273	124293	0.27
DN32	1 ¼"	124274	124294	0.41
DN40	1 ½"	124275	124295	0.62
DN50	2"	124276	124296	0.91
DN65	2 ½"	124277		1.46
DN80	3"	124278		2.07
DN100	4"	124279		3.02

Connection	Dimensions (mm) A	Dimensions (mm) B Centre line to lever
½"	83.0	34.0
¾"	96.0	41.5
1"	107.0	47.0
1 ¼"	120.0	58.5
1 ½"	136.0	69.0
2"	159.0	84.5
2 ½"	181.0	103.0
3"	201.0	112.0
4"	217.0	145.0

Maximum pressure conditions

Size	Maximum pressure conditions	
	bar	psi
½" to ¾"	12.0	174.0
1" to 2"	10.0	145.0
2 ½" to 4"	8.0	116.0

These are maximum permissible working pressures

Size	Maximum pressure conditions	
	Temp °C	Temp °F
½" to 4"	90.0	194.0

Material specification

Nr	Component	Material
1	Pin	ABS
2	Pin washer	ABS
3	Body	Brass
4	Sealing washer	EPDM Rubber
5	Spring	Stainless steel 18/8
6	Filter	Stainless steel 18/8
7	Filter / body connection	ABS

Applications

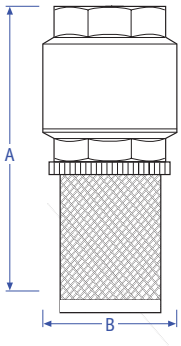
water

compressed air

Air maximum - 5 bar

specification

- female end
- filter end
- ANSI (NPT) American taper thread (AT)
- forged brass body
- PN12 - PN8
- stainless steel spring
- ABS pin and washer
- EPDM sealing washer
- stainless steel screw in filter



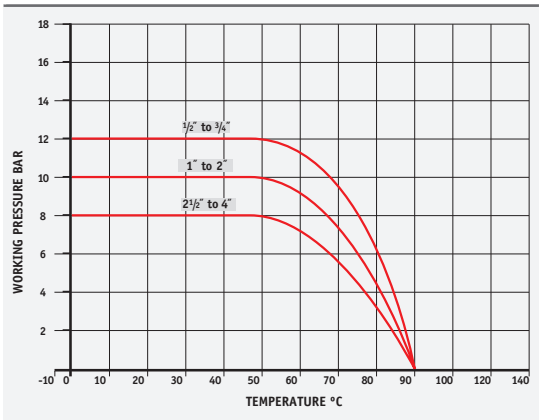
Stainless steel mesh

Size	Mesh	Hole Ø mm
½" to ¾"	16.0	1.2
1" to 2"	12.0	1.6
2 ½" to 4"	10.0	1.8

Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



K4424 DZR double check valve

to EN 13959:2004, type E D, compression ends

Compression connections EN1254-2	Code DZR	Code DZR CP	Total (kg)
15mm	42068	42090	0.18
22mm	42069		0.23
28mm	42070		0.49

Connection	Dimensions (mm) A	Dimensions (mm) B
15mm	70.0	25.0
22mm	97.0	32.0
28mm	109.0	49.0

Maximum pressure conditions

Size	Maximum pressure conditions	
	(Cold working) Temperatures up to -10°C	(Hot working) Temperatures up to 65°C
15 to 28mm	10.0	10.0

Size	Maximum pressure conditions	
	Temp up to -50°C	Temp up to 149°C
15 to 28mm	145.0	145.0

Temperature range - 10°C + 65°C (non shock)

Material specification

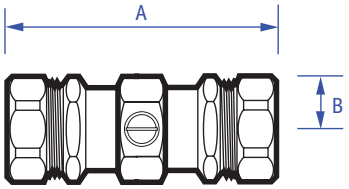
Nr	Component	Material
1	Body	DZR Brass
2	Test screw	DZR Brass
3	Non return valves	Nylon
4	Compression nut	Brass
5	Compression olive	Brass

Applications

water

specification

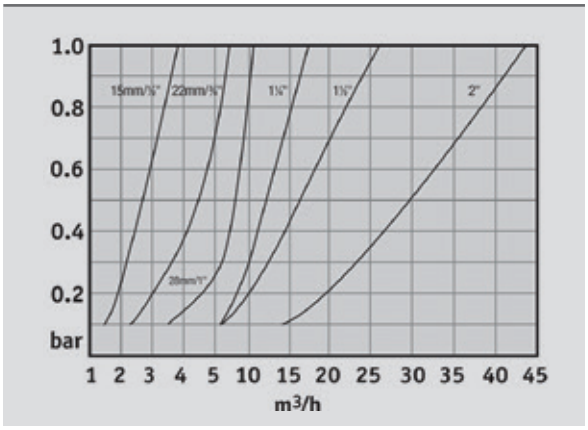
- EN13959:2004
- type E D
- compression ends
- spring assisted closure
- non return valve



Pressure equipment directive category

Size	15mm	22mm	28mm
	SEP	SEP	SEP

Pressure & temperature ratings



by Pegler

K4426 DZR double check valve

to EN 13959:2004, type E D, female ends

DN	Connection	ISO 288/1 (PT)	Total (kg)
DN15	½"	42071	0.15
DN20	¾"	42072	0.24
DN25	1"	42073	0.42
DN32	1 ¼"	42074	0.61
DN40	1 ½"	42075	0.85
DN50	2"	42076	1.66

specification

- EN13959: 2004
- type ED
- female ends
- spring assisted closure
- non return valves

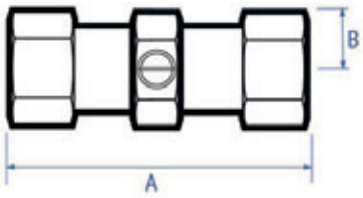
Connection	Dimensions (mm) A	Dimensions (mm) B
½"	70.5	25.0
¾"	82.0	31.0
1"	106.0	38.0
1 ¼"	122.0	46.0
1 ½"	135.0	52.0
2"	199.0	66.0

Maximum pressure conditions

Size	Maximum pressure conditions	
	(Cold working) Temperatures up to -10°C	(Hot working) Temperatures up to 65°C
½" to 2"	10.0	10.0

Size	Maximum pressure conditions	
	Temp up to -50°C	Temp up to 149°C
½" to 2"	145.0	145.0

Temperature range - 10°C + 65°C (non shock)



Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

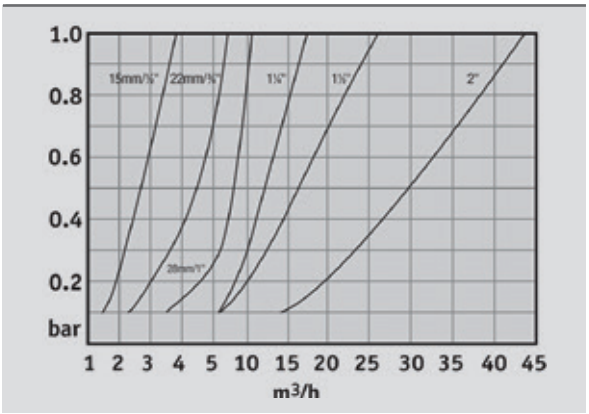
Material specification

Component	Material
Body	DZR Brass
Test screw	DZR Brass
Non return valves	Nylon

Applications

water

Pressure & temperature ratings



K424 DZR single check valve

to EN 13959 type E B

Compression connections EN1254-2	Code	Total (kg)
15mm	42062	1.09
22mm	42063	1.09
28mm	42064	1.86

Connection	Dimensions (mm) A
15mm	58.0
22mm	67.0
28mm	87.0

Maximum pressure conditions

Size	Maximum pressure conditions (Cold working) Temperatures up to -10°C	Maximum pressure conditions (Hot working) Temperatures up to 65°C
15 to 28mm	10.0	10.0

Size	Maximum pressure conditions Temp up to -50°C	Maximum pressure conditions Temp up to 149°C
15 to 28mm	145.0	145.0

Temperature range - 10°C + 65°C (non shock)

Material specification

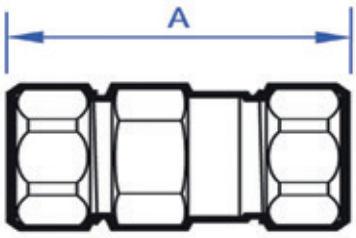
Nr	Component	Material
1	Body	DZR Brass
2	Non return valves	Nylon
3	Circlip	Stainless steel
4	Washer	DZR Brass
5	Compression nut	Brass
6	Compression ring	Brass

Applications

water

specification

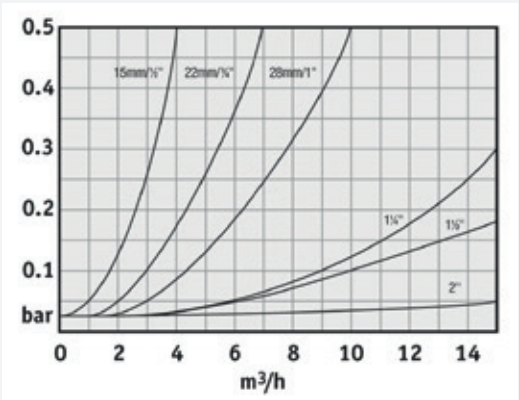
- details required



Pressure equipment directive category

Size	15mm	22mm	28mm
	SEP	SEP	SEP

Pressure & temperature ratings



by Pegler

K426 DZR single check valve

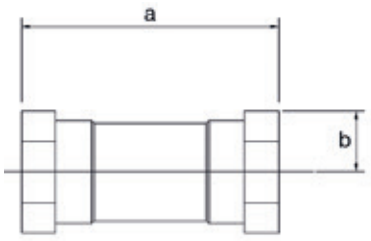
to EN 13959 type E B

DN	Connection	ISO 288 (PT)	Total (kg)
DN15	½"	42065	0.10
DN20	¾"	42066	0.18
DN25	1"	42067	0.36
DN32	1 ¼"	42077	0.48
DN40	1 ½"	42078	0.62
DN50	2"	42079	1.32

specification

- XPress ends for copper/carbon steel/ stainless steel tube
- EN13959:2004 Type EB
- compression ends
- spring assisted closure
- non return valves

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	58.0	13.0
¾"	70.0	18.0
1"	94.0	22.0
1 ¼"	101.0	27.0
1 ½"	115.0	30.0
2"	150.0	38.0



Maximum pressure conditions

Size	Maximum pressure conditions (Cold working) Temperatures up to -10°C	Maximum pressure conditions (Hot working) Temperatures up to 65°C
½" to 2"	10.0	10.0

Size	Maximum pressure conditions Temp up to -50°C	Maximum pressure conditions Temp up to 149°C
½" to 2"	145.0	145.0

Temperature range - 10°C + 65°C (non shock)

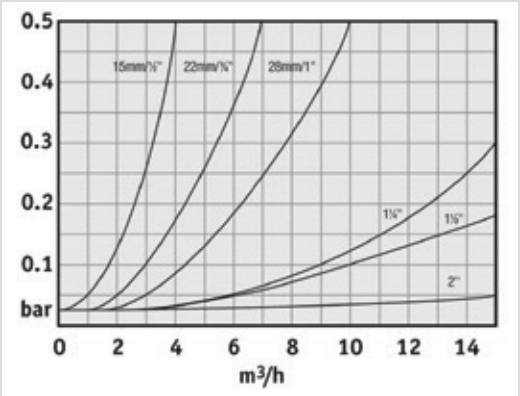
Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Material specification

Nr	Component	Material
1	Body	DZR Brass
2	Non return valve	Nylon
3	Circlip	Stainless steel
4	Washer	DZR Brass
5	Compression nut	Brass
6	Compression ring	Brass

Pressure & temperature ratings



Applications

water

V909 Cast iron wafer check valve PN16

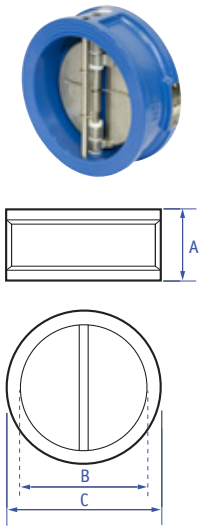
Wafer dual plate check valve, 16 bar from -10°C to 120°C

BS EN 12334:2001 and face to face dimensions comply to BS EN 558-1

DN	Connection	Code	Total (kg)
DN65	2 ½"	15398	2.4
DN80	3"	15399	3.2
DN100	4"	15400	4.8
DN125	5"	15401	7.6
DN150	6"	15402	10.0
DN200	8"	15403	14.0
DN250	10"	15404	23.6
DN300	12"	15405	36.0

specification

- PN16
- 16 bar from 10°C to 120°C
- BS EN 12334:2001
- face to face
- dimensions comply to BS EN 558-1
- stainless steel disc and spring
- cast iron body
- gasket EPDM
- stainless hinge pin
- seat NBR



Flow rates

Size	Flow l/s	Kv m³/h
DN65	1.50	57.00
	2.50	81.00
	6.00	126.00
	10.00	139.00
DN80	1.50	55.00
	2.50	85.00
	6.00	140.00
	10.00	167.00
DN100	2.50	101.00
	8.00	200.00
	15.00	243.00
	25.00	259.00
DN125	4.00	135.00
	6.00	190.00
	15.00	336.00
	30.00	413.00
DN150	6.00	216.00
	10.00	338.00
	20.00	556.00
	40.00	747.00
DN200	10.00	423.00
	20.00	797.00
	40.00	1340.00
	80.00	1770.00
DN250	160.00	2600.00
DN300	220.00	4300.00

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
DN65	46.0	80.0	127.0
DN80	64.0	94.0	142.0
DN100	64.0	117.0	162.0
DN125	70.0	145.0	192.0
DN150	76.0	170.0	218.0
DN200	89.0	224.0	273.0
DN250	114.0	265.0	328.0
DN300	114.0	310.0	380.0

Pressure and temperature ratings

Size	Maximum working pressure (bar)		Test pressures (bar)	
	Temp up to 120°C	Temp up to 120°C	Shell	Seat
DN65 to DN300	16.0	16.0	24.0	17.5
Size	**Maximum working pressure (psi)**		**Test pressures (psi)**	
	Temp up to 248°F	Temp up to 248°F	Shell	Seat
DN65 to DN300	232.1	232.1	348.1	253.8

Temperature range - 10°C + 120°C (non shock)

Applications

water

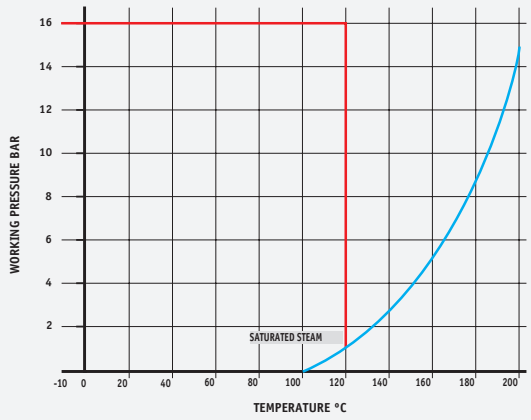
Material specification

Nr	Component	Material
1	Body	Cast iron
2	Hinge pin	Stainless steel
3	Disk	Stainless steel
4	Seat	NBR
5	Stop pin	Stainless steel
6	Pin retainers	Stainless steel
7	Plate	Stainless steel
8	Spring	Stainless steel
9	Washer	P.T.F.E.
10	Gasket	EPDM

Pressure equipment directive category

Size	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



V914 Cast iron swing check valve

BS EN 12334:2001 PN16

DN	Connection	Code	Total (kg)
DN65	2 ½"	15378	17.3
DN80	3"	15379	141.5
DN100	4"	15380	37.5
DN125	5"	15381	40.9
DN150	6"	15382	51.7
DN200	8"	15383	120.0
DN250	10"	15384	218.0
DN300	12"	15385	218.0

Flow rates m^3/h

Size	Flow l/s	Kv m^3/h	Size	Flow l/s	Kv m^3/h
65mm	1.50	63.00	125mm	5.00	173.00
	5.00	150.00		10.00	361.00
	8.00	161.00		20.00	602.00
80mm	2.00	75.00		30.00	689.00
	6.00	202.00	150mm	7.00	298.00
	12.00	328.00		20.00	735.00
	20.00	428.00		40.00	1231.00
100mm	4.00	168.00	200mm	15.00	520.00
	10.00	353.00		40.00	1210.00
	15.00	447.00		90.00	1835.0
	20.00	516.00	250mm	Fully open	2725.00
			300mm	Fully open	3850.00

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C	Dimensions (mm) D
DN65	215.9	185.0	122.0	132.5
DN80	241.3	200.0	138.0	141.5
DN100	292.1	220.0	158.0	163.0
DN125	330.2	250.0	188.0	197.0
DN150	355.6	285.0	212.0	212.0
DN200	495.3	340.0	268.0	257.0
DN250	662.3	405.0	320.0	298.5
DN300	698.5	460.0	378.0	330.5

Maximum pressure temperature ratings

Size	Maximum working pressure (bar)		Test pressures (bar)	
	Temp up to 120°C	Temp up to 230°C	Shell	Seat
DN65 to DN300	16.0	11.8	24.0	17.5
Size	**Maximum working pressure (psi)**		**Test pressures (psi)**	
	Temp up to 248°F	Temp up to 246°F	Shell	Seat
DN65 to DN300	232.1	171.1	348.1	253.8

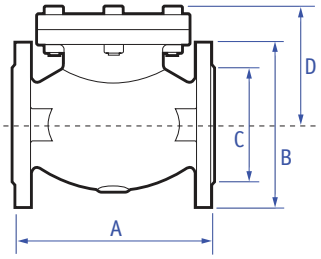
Temperature range - 10°C + 120°C (non shock)

Material specification

Nr	Component	Material
1	Body	Cast iron
2	Body seating	Bronze (GM)
3	Disk	Cast iron
4	Disk assembly	Cast iron
5	Disk facing ring	Bronze (GM)
6	Disk nut	Brass
7	Cover	Cast iron
8	Cover gasket	Graphite non-asbestos
9	Hinge pin	Stainless steel
10	Hinge pin plug	Brass
11	Hinge	Ductile iron
12	Stop pin	Stainless steel
13	Seat	EPDM
14	Seat ring	Bronze (GM)
15	Gasket	Asbestos free
16	Springs	Stainless steel

specification

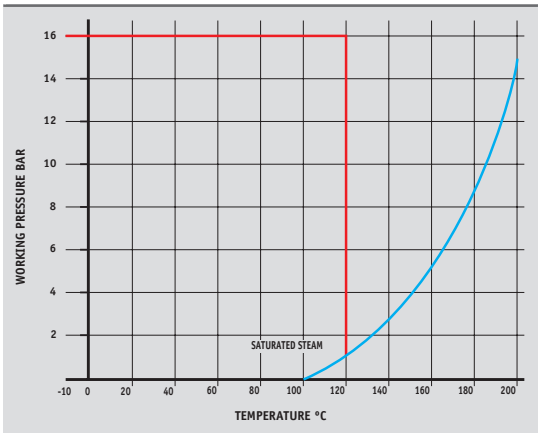
- PN16
- BS EN 12334:2001
- cast iron body and disc
- bronze seat and disc facing
- cast iron cover
- gasket - graphite non asbestos



Stainless steel mesh

DN65 - DN150	0.0597mm hole
DN200 - DN300	0.0984mm hole

Pressure & temperature ratings



Applications

water

1059PT Brass Y pattern strainer

female ends, ½" - 2" PN20, 2½" - 4" PN16

DN	Connection	ISO 288 (PT)	Total (kg)
DN15	½"	120011	0.14
DN20	¾"	120012	0.20
DN25	1"	120013	0.38
DN32	1 ¼"	120014	0.56
DN40	1 ½"	120015	0.80
DN50	2"	120016	1.10
DN65	2 ½"	120017	1.95
DN80	3"	120018	3.05
DN100	4"	120019	5.65

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	58.0	40.0
¾"	70.0	48.0
1"	87.0	56.0
1 ¼"	96.0	64.0
1 ½"	106.0	73.0
2"	126.0	89.0
2 ½"	150.0	107.0
3"	169.0	120.0
4"	219.0	161.0

Maximum pressure conditions

Size	Maximum working pressure (bar)	Test pressures (bar)	
	Temperature up to 110°C	Shell	Seat
½" to 2"	20.0	30.0	22.0
2 ½" to 4"	16.0	24.0	17.5
Size	**Maximum working pressure (psi)**	**Test pressures (psi)**	
	Temperature up to 230°F	**Shell**	**Seat**
½" to 2"	290.1	435.1	319.1
2 ½" to 4"	232.1	348.0	253.8

Temperature range - 10°C + 110°C (non shock)

Material specification

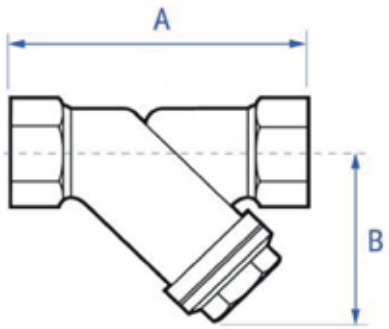
Component	Component	1059PT - ½" to 2"
1	Body	Brass - CW617N
2	Head	Brass - CW617N
3	Mesh	Stainless steel
4	Gasket	P.T.F.E.
Component	**Component**	**1059PT - 2 ½" to 4"**
1	Body	Brass
2	Head	Brass
3	Mesh	Stainless steel
4	Gasket	P.T.F.E.

Applications

water

specification

- female ends
- 1/2" to 2" PN20
- 2 1/2" to 4" PN16
- ISO 228 (BS2779)

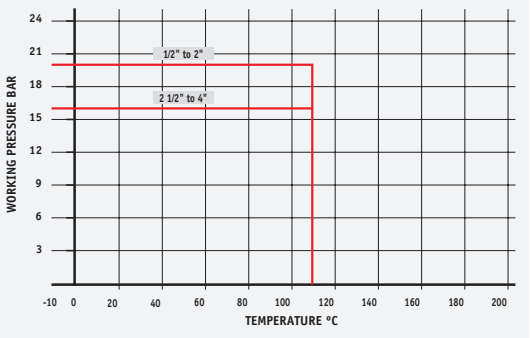


Stainless steel mesh	
½" to 2"	0.75mm hole
2 ½" to 4"	0.80mm hole

Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



V913 Bronze (GM) threaded strainer, Y pattern

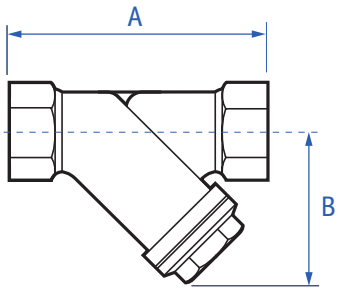
female ends, PN16

DN	Connection	ISO7-Rc (taper)	ISO 228 (PT)	Total (kg)
DN15	½"	15348	119061	0.23
DN20	¾"	15349	119062	0.32
DN25	1"	15350	119063	0.45
DN32	1 ¼"	15351	119064	0.74
DN40	1 ½"	15352	119065	0.92
DN50	2"	15353	119066	1.06

specification

- female ends
- PN16
- BS21 taper thread (EN10226)
- ISO228 (BS2779)

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	63.0	40.0
¾"	67.0	48.0
1"	80.0	60.0
1 ¼"	114.0	70.0
1 ½"	123.0	82.0
2"	137.0	73.0



Maximum pressure temperature ratings

Size	Maximum working pressure (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 186°C	Shell	Seat
½" to 2"	16.0	10.5	37.5	27.5
Size	**Maximum working pressure (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 389°F	Shell	Seat
½" to 2"	362.6	152.3	543.9	398.9

Temperature range - 10°C + 186°C (non shock) WRAS approval temperature 100°C

Material specification

Nr	Component	Material
1	Body	Bronze (GM)
2	Cap	Bronze (GM)
3	Mesh	Stainless steel
4	Gasket	Asbestos free (non-stick)

Stainless steel mesh

DN65 - DN150	0.0597mm hole
DN200 - DN300	0.0984mm hole

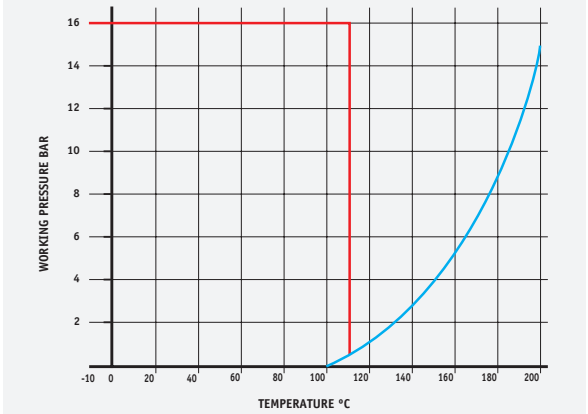
Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Applications

water

Pressure & temperature ratings



V912 Cast iron Y pattern strainer

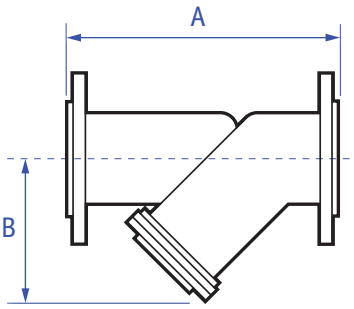
flanged to EN 1092-2,PN16

DN	Connection	Code	Total (kg)	Kv
DN65	2 ½"	15361	14.50	93.0
DN80	3"	15362	17.50	136.0
DN100	4"	15363	31.25	229.0
DN125	5"	15364	43.00	363.0
DN150	6"	15365	62.50	499.0
DN200	8"	15366	107.00	817.0
DN250	10"	15367	196.67	1361.0
DN300	12"	15368	253.00	1928.0

specification

- raised flanged to EN 1092-2
- PN16 -10ºC to 120ºC
- ductile iron
- PN13 at 220ºC

DN	Dimensions (mm) A	Dimensions (mm) B
DN65	273.0	174.0
DN80	295.0	198.0
DN100	352.0	232.0
DN125	416.0	285.0
DN150	470.0	305.0
DN200	543.0	401.0
DN250	665.0	473.0
DN300	770.0	740.0



Maximum pressure temperature ratings

Size	Maximum working pressure (bar)		Test pressures (bar)	
	Temp up to 120°C	Temp up to 220°C	Shell	Seat
DN65 to DN300	16.0	13.0	24.0	17.5
Size	**Maximum working pressure (psi)**		**Test pressures (psi)**	
	Temp up to 248°F	Temp up to 248°F	Shell	Seat
DN65 to DN300	232.1	188.5	348.1	253.8

Temperature range - 10°C + 120°C (non shock)

Stainless steel mesh

DN65 - DN80	1.5mm hole
DN100 - DN300	3mm hole

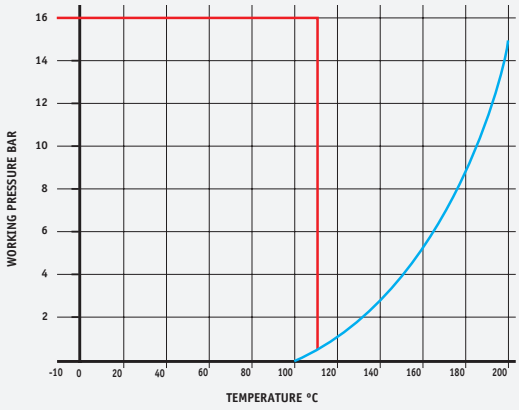
Pressure equipment directive category

Size	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Material specification

Nr	Component	Material
1	Body	Cast iron
2	Cap	Cast iron
3	Cover	Cast iron
4	Strainer	Stainless steel
5	Seal	Fibre TesnitBA-U
6	Screen	Stainless steel
7	Gasket	Teflon / graphite
8	Plug	Brass

Pressure & temperature ratings



Applications

water

by Pegler

PRV4PT Brass pressure reducing valve

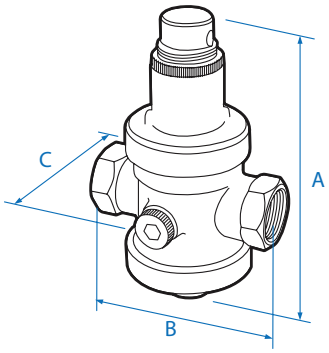
maximum inlet pressure 25 bar, adjustable outlet 0.5 bar to 6 bar

DN	Connection	ISO 288 (PT)	Total (kg)
DN15	½"	5A2031	0.71
DN20	¾"	5A2032	1.12
DN25	1"	5A2033	1.33
DN32	1 ¼"	5A2034	2.29
DN40	1 ½"	5A2035	2.42
DN50	2"	5A2036	3.62
DN65	2 ½"	5A2037	4.00
DN80	3"	5A2038	5.53
DN100	4"	5A2039	6.80

specification

- maximum inlet pressure 25 bar
- adjustable outlet 0.5 bar to 6 bar
- nickel plated brass finish
- two outlet gauge points
- maximum inlet temp 80ºC

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½"	118.0	77.0	66.0
¾"	141.0	91.0	73.0
1"	152.0	91.0	75.0
1 ¼"	217.0	116.0	94.0
1 ½"	218.0	125.0	95.0
2"	244.0	142.0	114.0
2 ½"	264.0	147.0	114.0
3"	287.0	148.0	114.0
4"	325.0	188.0	125.0

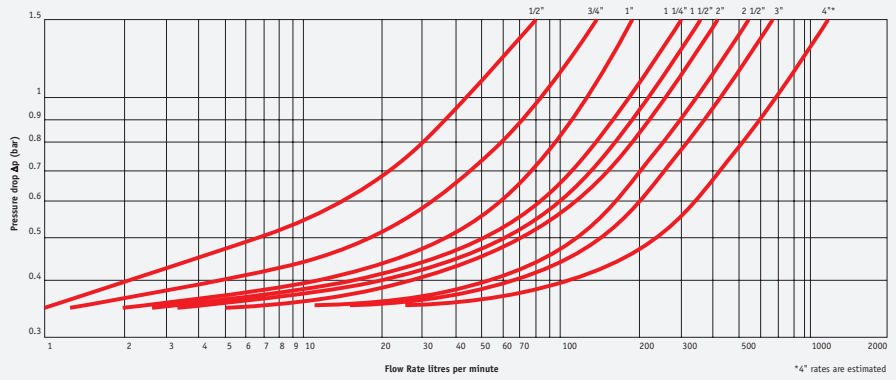


Material specification

Nr	Component	Material
1	Body	Brass - CW617N, EN12165
2	Internal parts	Brass - CW617N, EN12164
3	Seat	Stainless steel
4	Bar	Brass - CW617N, EN12164
5	'O' ring	NBR 70 SH
6	Plastic parts	Ultramild® A3K (BASF)
7	Flat gaskets	Fasit

Temperature range - 0ºC + 80ºC (non shock)

Pressure & temperature ratings



WRAS approval temperature 100ºC maximum

Applications

water

Pressure gauge, 0 - 10bar

Sizes	
Code	5A2003
Operating pressure (bar)	
	Working pressure (bar)
Size	**Temp up to 120°C**
PG Pressure guage	0 - 10

PEG62 Water hammer arrestor, nickel plated male iron thread

Parallel (PT) tread	ISO 288.1 (PT)	Total (kg)
½"	5A2080	0.50

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) SW
½"	90.0	52.0	12.0

Maximum pressure temperature ratings

Size	Maximum peak pressure (bar)	Maximum operating Temperatures	Maximum pipe length for a single valve
½"	40 bar	up to 90°C	10m/30 feet

NB. PDI Classification PDI - WH201 Class C

Material specification

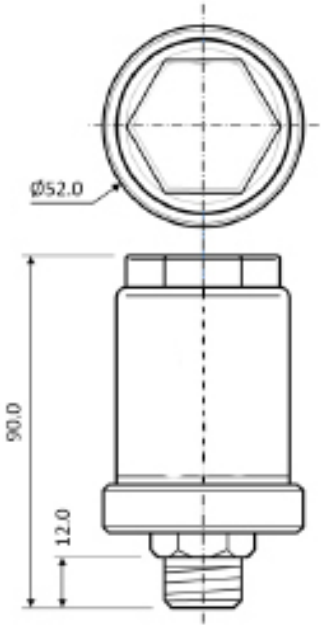
Nr	Component	Material
1	Body	Brass (NP)
2	Head	Brass (NP)
3	Diaphragm	Acetal resin
4	Seals	NBR
5	Gasket	Non asbestos fibre

Applications

water

specification

- absorbs water shock caused by rapid valve closure
- nickel plated
- used in sequence for large pipe diameters



by Pegler

1260 DZR threaded fixed orifice commissioning valve (FODRV)

female ends, PN20, regulation, isolation and flow measurement functions

DN	Connection	ISO 288 (PT) parallel	Total (kg)	Kv	Kvs
DN15	½" ULF	126039	0.57	0.195	0.18
DN15	½" LF	126022	0.58	0.400	0.41
DN15	½" MF	126043	0.58	0.998	1.00
DN15	½"	126023	0.57	1.860	2.15
DN20	¾"	126024	0.64	2.270	4.78
DN25	1"	126025	0.90	6.110	8.11
DN32	1 ¼"	126026	1.31	12.650	15.41
DN40	1 ½"	126027	1.61	19.000	22.23
DN50	2"	126028	2.66	28.420	48.21

specification

- ISO 228 parallel thread
- PN20
- regulation, isolation and flow measurement

functions

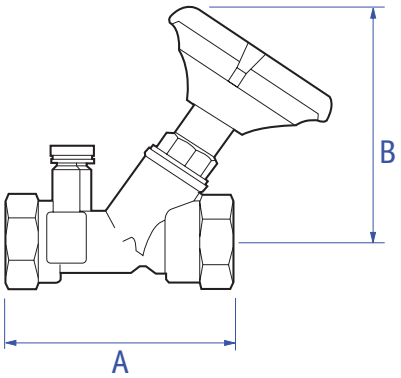
- Y pattern body
- handle position indicator
- meets BS7350
- includes memory stop
- includes test points

Connection	Dimensions (mm) A	Dimensions (mm) B
½" ULF	79.0	106.0
½" LF	79.0	106.0
½" MF	79.0	106.0
½"	79.0	106.0
¾"	86.0	106.0
1"	103.0	113.0
1 ¼"	121.0	120.0
1 ½"	127.0	123.0
2"	157.0	138.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar) Temp up to 100°C	Maximum pressure conditions (bar) Temp up to 120°C	Test pressures (bar) Shell	Test pressures (bar) Seat
½" to 2"	20.0	16.0	30.0	22.0
Size	**Maximum pressure conditions (psi) Temp up to 212°F**	**Maximum pressure conditions (psi) Temp up to 275°F**	**Test pressures (psi) Shell**	**Test pressures (psi) Seat**
½" to 2"	290.1	232.1	435.1	319.1

Temperature range - 10°C + 120°C (non shock)



Material specification

Nr	Component	Material
1	Body	GDCBr. BSEN 1982, CC 752S
2	Bonnet	EBB. BSEN 12164, CW 617N
3	Spindle	EBB. BSEN 12164, CW 617N
4	Disk	EBB. BSEN 12164, CW 617N
5	Gland	Packing piece EBB. BSEN 12164, CW 617N
6	'O' rings	EPTO
7	Orifice plate	EBB. BSEN 12164, CW 617N
8	Circlip	Carbon spring steel
9	Adjustment screw	EBB. BSEN 12164, CW 617N
10	Test points	DZR Brass
11	Seals	EPTO
12	Handle	30% glass filled Nylon 66
13	Set screw	Brass

Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Applications

water

1200 DZR threaded double regulating valve (DRV)

with regulation and isolation functions, female ends, PN20

DN	Connection	ISO 288 (PT) parallel	Total (kg)	Kv
DN15	½"	126002	0.23	2.30
DN20	¾"	126003	0.55	2.84
DN25	1"	126004	0.86	7.15
DN32	1 ¼"	126005	1.24	15.08
DN40	1 ½"	126006	1.62	20.84
DN50	2"	126007	2.90	28.89

specification

- ISO 228 parallel thread, with regulation and isolation functions
- PN20
- four pattern body
- handle position indicator
- meets BS7350
- includes memory stop

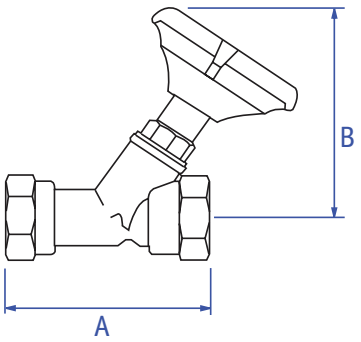
Connection	Dimensions (mm) A	Dimensions (mm) B
½"	79.0	106.0
¾"	86.0	106.0
1"	103.0	113.0
1 ¼"	121.0	120.0
1 ½"	127.0	123.0
2"	157.0	138.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar) Temp up to 100°C	Maximum pressure conditions (bar) Temp up to 120°C	Test pressures (bar) Shell	Test pressures (bar) Seat
½" to 2"	20.0	16.0	30.0	22.0

Size	Maximum pressure conditions (psi) Temp up to 212°F	Maximum pressure conditions (psi) Temp up to 275°F	Test pressures (psi) Shell	Test pressures (psi) Seat
½" to 2"	290.1	232.1	435.1	319.1

Temperature range - 10°C + 120°C (non shock)



Material specification

Nr	Component	Material
1	Body	GDCBr. BSEN 1982, CC 752S
2	Bonnet	EBB. BSEN 12164, CW 617N
3	Spindle	EBB. BSEN 12164, CW 617N
4	Disk	EBB. BSEN 12164, CW 617N
5	Gland	Packing piece EBB. BSEN 12164, CW 617N
6	'O' rings	EPTO
7	Circlip	Carbon spring steel
8	Adjustment screw	EBB. BSEN 12164, CW 617N
9	Seals	EPTO
10	Handle	30% glass filled Nylon 66
11	Set screw	Brass

Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Applications

water

1250 DZR fixed orifice commissioning station

with flow measurement function, female ends, PN20

DN	Connection	ISO 288 (PT) parallel	Total (kg)	Kvs
DN15	½" ULF	126040	0.22	0.18
DN15	½" LF	126090	0.22	0.41
DN15	½" MF	126049	0.22	1.00
DN15	½"	126091	0.22	2.15
DN20	¾"	126092	0.25	4.78
DN25	1"	126093	0.39	8.11
DN32	1 ¼"	126094	0.54	15.41
DN40	1 ½"	126095	0.59	22.23
DN50	2"	126096	0.92	48.21

Connection	Dimensions (mm) A	Dimensions (mm) B
½" ULF	48.0	40.0
½" LF	48.0	40.0
½" MF	48.0	40.0
½"	48.0	40.0
¾"	51.0	42.0
1"	63.0	46.0
1 ¼"	67.0	52.0
1 ½"	71.0	52.0
2"	75.0	57.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 120°C	Shell	Seat
½" to 2"	20.0	16.0	30.0	22.0
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 275°F	Shell	Seat
½" to 2"	290.1	232.1	435.1	319.1

Temperature range - 10°C + 120°C (non shock)

Material specification

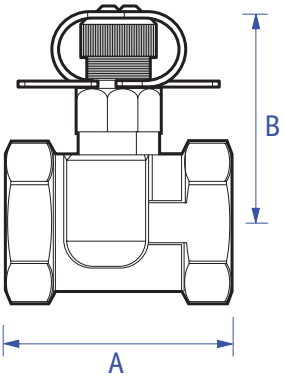
Nr	Component	Material
1	Body	GDCBr. BSEN 1982, CC 752S
2	Test point	DZR Brass
3	Seals	EPTO

Applications

water

specification

- female ends
- PN20
- flow measurement function
- includes test point



Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

V952 Ductile iron double regulating valve PN16

with regulating and isolating functions, flanged to EN 1092-2, PN16 (includes 2 710 TP test points)

DN	Connection	Code	Total (kg)
DN65	2 ½"	15531	18.0
DN80	3"	15532	24.0
DN100	4"	15533	30.0
DN125	5"	15534	45.0
DN150	6"	15535	52.0
DN200	8"	15536	105.0
DN250	10"	15537	185.0
DN300	12"	15538	248.0

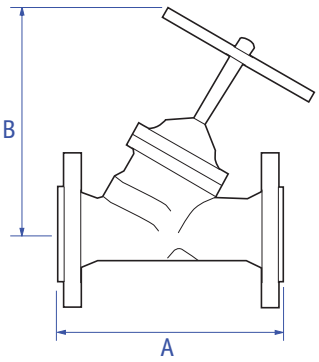
specification

- PN16
- ductile iron double regulating valve with regulating and isolating functions (DRV and VODRV)
- flanged to EN1092-2

Flow rates m³/h

Range*	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
1	18.6	13.3	23.6	32.2	48.0	41.0	97.0	63.0
2	26.8	20.0	36.6	55.6	75.0	61.0	146.0	113.0
3	35.4	24.1	48.5	68.8	110.0	81.0	177.0	174.0
4	38.7	34.9	55.2	98.0	162.0	99.0	232.0	245.0
5	49.4	45.9	75.2	145.7	233.0	161.0	368.0	397.0
6	65.5	71.6	97.9	199.1	294.0	215.0	543.0	628.0
7	74.6	98.8	123.9	231.7	346.0	271.0	695.0	792.0
8	80.2	113.7	149.4	260.5	371.0	339.0	832.0	873.0
9						412.0	960.0	1002.0
10						482.0	1045.0	1112.0
11						546.0	1151.0	1223.0
12							1248.0	1331.0
13							1292.0	1383.0
14								1444.0
15								1505.0
16								1639.0
17								1707.0
18								1730.0
Fully open	83.8	119.5	178.7	272.7	380.0	608.0	1360.0	1791.0

*Number of rotations for closed to fully open



Connection	Dimensions (mm) A	Dimensions (mm) B
DN65	290.0	265.0
DN80	310.0	270.0
DN100	350.0	310.0
DN125	400.0	340.0
DN150	480.0	340.0
DN200	600.0	537.0
DN250	730.0	850.0
DN300	570.0	690.0

Maximum pressure temperature ratings

Size	Maximum working pressure (bar)		Test pressures (bar)	
	Temp up to 150°C	Temp up to 150°C	Shell	Seat
DN50 to DN300	16.0	16.0	24.0	17.5
Size	**Maximum working pressure (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 212°F	Shell	Seat
DN50 to DN300	232.1	232.1	348.0	253.5

Temperature range -10°C - +120°C (non shock)
NB. With test points can be used as a VODRV, variable orifice double regulating valve

Material specification

Nr	Component	Material
1	Body	Ductile iron
2	Bonnet	Ductile iron
3	Disk	Ductile iron, EPDM coated
4	Disk nail	Brass
5	'O' ring	EPDM
6	Stem	Stainless steel
7	Gasket	Graphite
8	Handwheel	Carbon steel (DN50 - DN100)
9	Handwheel	Ductile iron (DN125 - DN30)
10	Test point	DZR Brass

Applications

water

V953 Stainless steel metering station PN16

304 Stainless steel, complete with test points and extensions with flow measurement function

DN	Connection for fitting between BS end 1092-2 flanges	Code	Total (kg)	Kv
DN50	2"	15540	1.4	47.5
DN65	2 ½"	15541	1.9	100.7
DN80	3"	15542	2.2	133.8
DN100	4"	15543	2.4	237.7
DN125	5"	15544	3.4	339.0
DN150	6"	15545	3.4	511.0
DN200	8"	15546	4.7	858.0
DN250	10"	15547	6.1	1235.0
DN300	12"	15548	7.6	1793.0

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
DN50	109.0	148.0	20.0
DN65	129.0	158.0	20.0
DN80	144.0	166.0	20.0
DN100	164.0	176.0	20.0
DN125	194.0	191.0	20.0
DN150	220.0	204.0	20.0
DN200	275.0	232.0	20.0
DN250	358.0	273.0	20.0
DN300	386.0	287.0	20.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 120°C	Temp up to 120°C	Shell	Seat
DN50 to DN300	16.0	16.0	24.0	17.5
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 212°F	Shell	Seat
DN50 to DN300	232.0	232.0	348.1	253.8

Temperature range - 10°C + 120°C (non shock)

Material specification

Nr	Component	Material
1	Body	Stainless steel
2	Test point	DZR Brass
3	Extension	Stainless steel

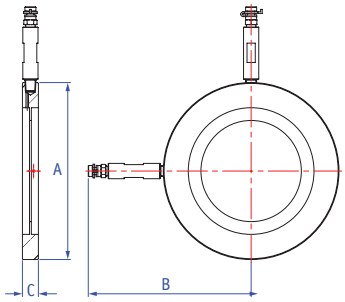
NB. May be used in conjunction with V952 as a commissioning set.

Applications

water

specification

- PN16
- 304 stainless steel
- complete with test points and extensions
- flow measurement function
- meets BS7350
- used with V952 commissioning valve



710 TP DZR red and blue self seal test points

male taper connection

Connection	Code	Total (kg)
¼" x 36mm	126041	0.03
¼" x 75mm	126042	0.06

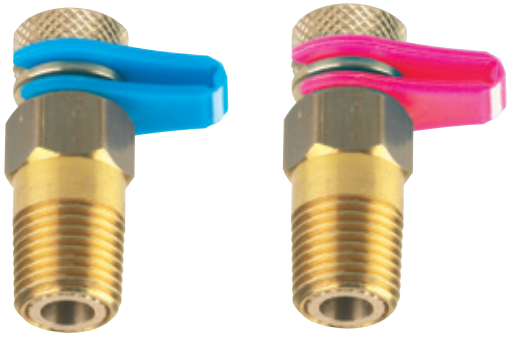
Connection	Dimensions (mm) A	Dimensions (mm) B
¼" x 36mm	14.0	36.0
¼" x 75mm	14.0	75.0

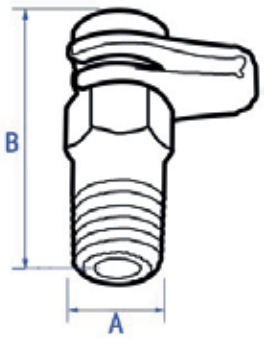
Material specification

Nr	Component	Material
1	Body	DZR Brass

specification

- details required





1029 Bronze (GM) threaded globe valve

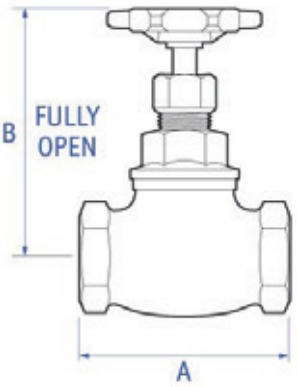
with renewable non-metallic seat disk, female ends, PN32

DN	Connection	ISO7-1 Rc (taper)	ISO-Rp (TP)	ANSI NPT (taper)	Total (kg)	Cv	Kv
DN15	¼"	110005			0.20		0.70
DN20	⅜"	110006			0.22		1.10
DN25	½"	110007	110047	110027	0.38	2.30	2.00
DN32	¾"	110008	110048	110028	0.54	5.90	5.00
DN40	1"	110009	110049	110029	0.84	11.70	10.00
DN50	1 ¼"	110010	110050	110030	1.36	18.70	16.00
DN65	1 ½"	110011	110051	110031	1.76	26.90	23.00
DN80	2"	110012	110052	110032	2.62	49.10	42.00

specification

- renewable P.T.F.E. seat disk
- female ends
- PN32
- BS 5154 series B
- rising stem
- gland packed
- taper threaded BS EN 10226 (1507 - 1)
- ANSI American taper thread
- ISO 228

Connection	Dimensions (mm) A	Dimensions (mm) B
¼"	48.0	76.0
⅜"	46.0	76.0
½"	57.0	95.0
¾"	65.0	100.0
1"	78.0	114.0
1 ¼"	89.0	138.0
1 ½"	100.0	159.0
2"	121.0	170.0



Maximum pressure conditions

Size	Maximum pressure conditions (bar) Temp up to 100°C	Maximum pressure conditions (bar) Temp up to 170°C	Test pressures (bar) Shell	Test pressures (bar) Seat
½" to 2"	32.0	14.0	48.0	35.2

Size	Maximum pressure conditions (psi) Temp up to 86°F	Maximum pressure conditions (psi) Temp up to 338°F	Test pressures (psi) Shell	Test pressures (psi) Seat
½" to 2"	464.1	203.1	696.1	510.5

Temperature range - 10°C + 198°C (non shock)

Material specification

Nr	Component	Material
1	Body	Bronze (GM)
2	Bonnet	Forged brass
3	Stem	Brass bar
4	Disk holder	Brass bar
5	Disk ring	Brass bar
6	Disk	Glass filled P.T.F.E.
7	Disk nut	Brass bar
8	Gland	Brass bar
9	Gland nut	Brass bar
10	Packing	P.T.F.E.
11	Handwheel	Aluminium
12	Handwheel nut	Brass bar
13	Rating disk	Aluminium

Pressure equipment directive category

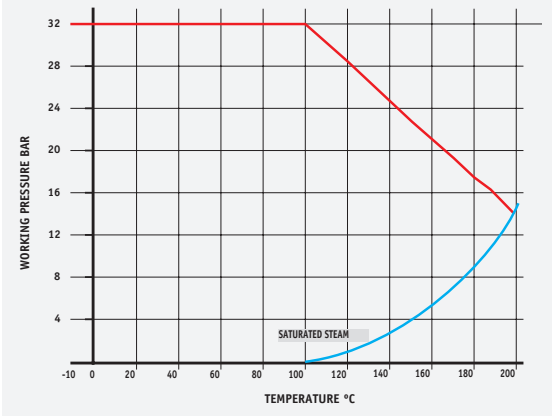
Size	¼"	⅜"	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	CAT1	CAT1	CAT1

Applications

steam | water | oil | compressed air

Special test required for air or gases

Pressure & temperature ratings



10215 Bronze (GM) threaded globe valve

with renewable non-metallic seat disk, female ends, PN20

DN	Connection	ISO7-1Rc (taper)	ISO 228 (PT)	Total (kg)	Kv
DN15	½"	112070	112080	0.36	6.22
DN20	¾"	112071	112081	0.44	14.25
DN25	1"	112072	112082	0.70	27.81
DN32	1 ¼"	112073	112083	1.06	54.37
DN40	1 ½"	112074	112084	1.43	77.11
DN50	2"	112075	112085	2.38	133.60

specification

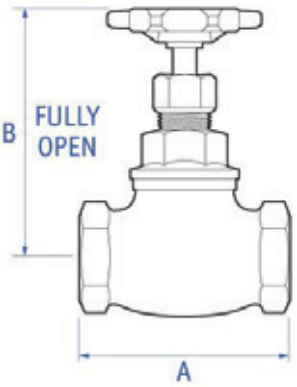
- BS 5154 PN20
- renewable non-metalic seat disk
- female ends
- P.T.F.E. gland packed
- bronze body and bonnet
- BS21 taper thread
- ISO 228 parallel thread

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	52.0	77.0
¾"	63.0	97.0
1"	76.0	118.0
1 ¼"	84.0	129.0
1 ½"	98.0	142.0
2"	116.0	164.0

Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 170°C	Shell	Seat
½" to 2"	20.0	6.0	30.0	24.0
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 86°F	Temp up to 338°F	Shell	Seat
½" to 2"	290.0	87.0	435.2	348.1

Temperature range - 10°C + 170°C (non shock)



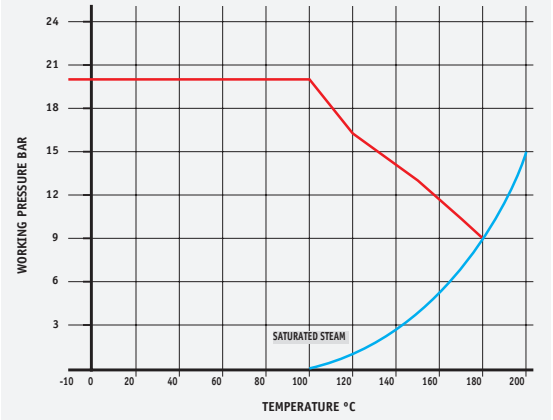
Material specification

Nr	Component	Material
1	Body	Bronze (GM)
2	Bonnet	Bronze (GM)
3	Stem	DZR Brass bar
4	Disk holder	DZR Brass bar
5	Disk ring	Brass bar
6	Disk	Glass filled P.T.F.E.
7	Disk nut	Brass bar
8	Gland	Brass bar
9	Gland nut	Brass bar
10	Packing	P.T.F.E.
11	Handwheel	Aluminium
12	Handwheel nut	Brass bar
13	Rating disk	Aluminium

Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Pressure & temperature ratings



Applications

steam | water | oil | compressed air

Special test required for air or gases

1031 Bronze (GM) threaded globe valve

with metal seat disk, female ends, PN32

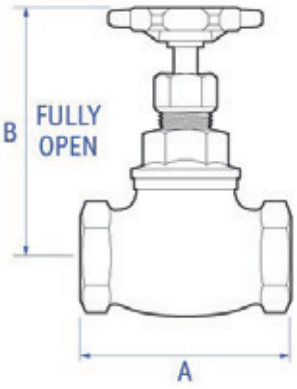
DN	Connection	ISO7-1Rc (taper)	ISO 228 (PT)	Total (kg)	Cv	Kv
DN15	½"	112007	112047	0.39	2.30	2.00
DN20	¾"	112008	112048	0.55	5.90	5.00
DN25	1"	112009	112049	0.87	11.70	10.00
DN32	1 ¼"	112010	112050	1.45	18.70	16.00
DN40	1 ½"	112011	112051	1.83	26.90	23.00
DN50	2"	112012	112052	2.61	49.10	42.00

*Cv - flow rate in US GPM at a pressure drop of 1 psi.
*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

specification

- metal seat disk
- female ends
- gland packed
- BS 5154 PN32 series B

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	57.0	95.0
¾"	65.0	100.0
1"	78.0	114.0
1 ¼"	89.0	138.0
1 ½"	100.0	159.0
2"	121.0	170.0



Maximum pressure conditions

Size	Maximum pressure conditions (bar)		Test pressures (bar)	
	Temp up to 100°C	Temp up to 198°C	Shell	Seat
½" to 2"	32.0	14.0	48.0	35.2
Size	**Maximum pressure conditions (psi)**		**Test pressures (psi)**	
	Temp up to 212°F	Temp up to 388.4°F	Shell	Seat
½" to 2"	464.1	203.1	696.1	510.5

Temperature range - 10°C + 198°C (non shock)

Material specification

Nr	Component	Material
1	Body	Bronze (GM)
2	Bonnet	Forged brass
3	Stem	Brass bar
4	Disk ring	Brass bar
5	Disk	Brass
6	Gland	Brass bar
7	Gland nut	Brass bar
8	Packing	P.T.F.E.
9	Handwheel	Aluminium
10	Handwheel nut	Brass bar
11	Rating disk	Aluminium

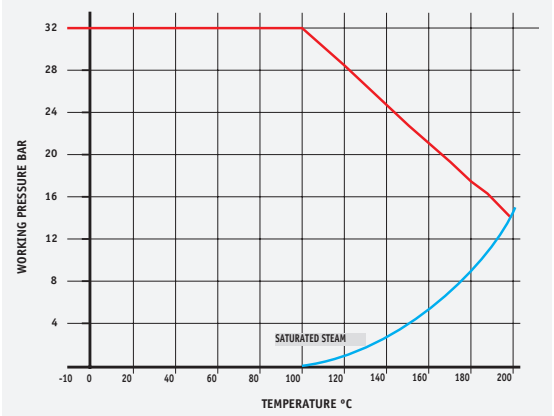
Pressure equipment directive category

Size	½"	¾"	1"	1 ¼"	1 ½"	2"
	SEP	SEP	SEP	SEP	SEP	SEP

Applications

steam water oil

Pressure & temperature ratings



P775 Brass automatic air vent

10 bar at 110°C

Connection	Code	Total (kg)
½"	538009	0.12

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) SW
½"	47.0	106.0	26.0

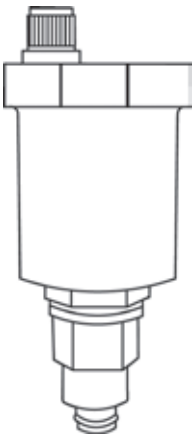
specification

- 10 bar at 120°C

Maximum pressure conditions

Size	Maximum pressure conditions (bar) Temp up to 120°C	Maximum pressure conditions (bar) Temp up to 120°C	Test pressures (bar) Shell	Test pressures (bar) Seat
½"	10.0	10.0	24.0	17.5

Size	Maximum pressure conditions (psi) Temp up to 200°F	Maximum pressure conditions (psi) Temp up to 200°F	Test pressures (psi) Shell	Test pressures (psi) Seat
½"	145.0	145.0	348.1	253.8



Material specification

Nr	Component	Material
1	Body	Brass
2	Float	Polypropylene
3	Big cap	Brass
4	'O' ring 1	NBR
5	Plastic bonnet	Polyacetalic
6	End cap	Brass
7	Rubber seal	NBR
8	Spring link	Stainless steel, SS302
9	Plastic disk	Polyacetalic
10	'O' ring 2	NBR 70 shore
11	Check valve body	Brass
12	Spring	Stainless steel. SS302
13	Plastic bore	Polypropylene
14	'O' ring 3	NBR 70 shore

Applications

water

PB50 HU Chrome plated brass hose union ball type bibtap

red lever

DN	Connection	Inlets parallel, ISO 228-1 extended thread	ANSI-ASME B1.20.1 1983 Code - HU AT (14mm spigot)	Total (kg)*	Total (kg)**
DN15	½"	262001	262004	0.26	0.27
DN20	¾"	262002		0.32	

* Code HU ** Code HU AT

specification

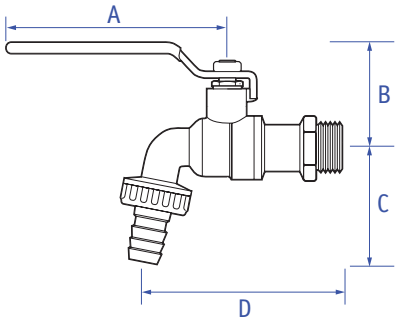
- hose union connection
- water and oil service
- fixed to stand wall plate elbows
- ISO 228-1
- ½" and ¾" size
- ANSI American taper thread
- chrome finish

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C	Dimensions (mm) D
½"	98.0	45.0	45.0	89.0
¾"	93.0	45.0	50.0	94.0

Maximum pressure temperature ratings

Size	Maximum pressure conditions	
	(Cold working) Temperatures up to 60°C	(Hot working) Temperatures up to 100°C
½" to ¾"	16.0	8.0

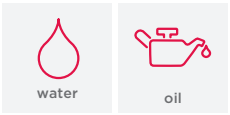
Temperature range 0°C + 100°C (non shock)



Material specification

Nr	Component	Material
1	Body	Brass, chromium plated
2	Cap	Brass, chromium plated
3	Ball	Brass, chromium plated
4	Ball steel	P.T.F.E.
5	Spindle	Brass, chromium plated
6	Spindle seal	NBR
7	Hose pipe	Brass, chromium plated
8	Hose nut	Brass, chromium plated
9	Hose union 'O' ring	NBR
10	Lever nut	Brass
11	Lever	A3 steel
12	Lever grip	PVC
13	Gland nut	Brass
14	Flow straightener	Polythene

Applications



PB50 AT Chrome plated brass ball type bibtap

red lever, screwed ¾" American thread on nose

Connection	ANSI-ASME B1.20.1 1983	Total (kg)
½"	262003	0.22

specification

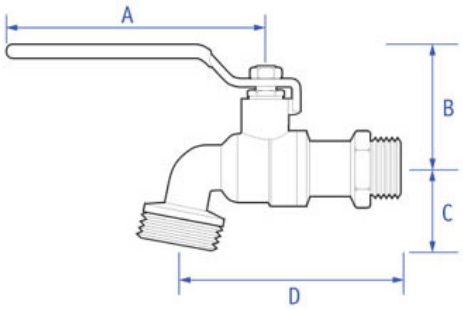
- water and oil services
- fixes to standard wall plate
- ½" size
- ANSI American taper thread
- chrome finish

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C	Dimensions (mm) D
½"	98.0	45.0	45.0	86.0

Maximum pressure temperature ratings

Size	Maximum pressure conditions	
	(Cold working) Temperatures up to 60°C	(Hot working) Temperatures up to 100°C
½"	16.0	8.0

Temperature range 0^0C + 100^0C (non shock)



Material specification

Nr	Component	Material
1	Body	Brass, chromium plated
2	Cap	Brass, chromium plated
3	Ball	Brass, chromium plated
4	Ball seal	P.T.F.E.
5	Spindle	Brass, chromium plated
6	Spindle seal	NBR
7	Lever nut	Brass
8	Lever	A3 steel
9	Lever grip	PVC
10	Gland nut	Brass
11	Flow straightener	Polythene

Applications

water

oil

PB52 HU Chrome plated brass hose union type bibtap

black cast lever

DN	Connection	Inlet parallel ISO 228-1	Total (kg)
DN15	½"	262021	0.28
DN20	¾"	262022	0.36

specification

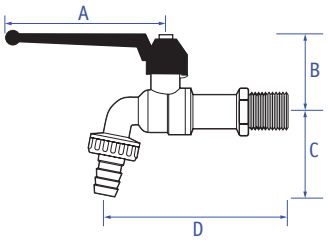
- extended tail length 20mm
- ideal for drum or tank fixing
- black cast lever
- ½" and ¾" size
- hose union connector
- chrome finish
- lockable in closed position

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C	Dimensions (mm) D
½"	88.0	45.0	45.0	105.0
¾"	88.0	45.0	50.0	105.0

Maximum pressure temperature ratings

Size	Maximum pressure conditions	
	(Cold working) Temperatures up to 60°C	(Hot working) Temperatures up to 100°C
½" to ¾"	16.0	8.0

Temperature range 0^0C + 100^0C (non shock)



Material specification

Nr	Component	Material
1	Body	Brass, chromium plated
2	Cap	Brass, chromium plated
3	Ball	Brass, chromium plated
4	Ball steel	P.T.F.E.
5	Spindle	Brass
6	Spindle seal	NBR
7	Hose pipe	Brass
8	Hose nut	Brass
9	Hose union 'O' ring	NBR
10	Lever securing screw	Brass, chromium plated
11	Lever	Cast aluminium, painted black
12	Gland nut	Brass
13	Flow straightener	Polythene

Applications

water

oil

855 MOH Floatvalve Portsmouth pattern high pressure

DN	Connection	Code	Total (kg)
DN15	½"	518007	0.26
DN20	¾"	518008	0.45
DN25	1"	518009	0.83
DN32	1 ¼"	518010	0.94
DN40	1 ½"	518013	2.68
DN50	2"	518014	2.68
DN15 **855-Z**	½"	518017	0.29

specification

- details required

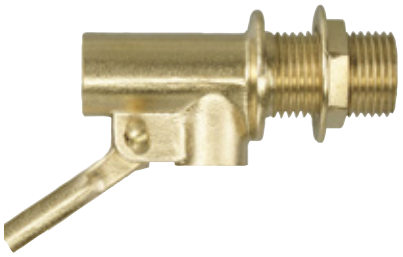
Flow rates and size selection (gpm)

	Static pressure		855 Floatvalve					
Size	psi	feet	½"	¾"	1"	1 ¼"	1 ½"	2"
	0.50	1.15	0.25	0.82	1.85	2.50	5.90	11.70
	1.00	2.30	0.35	1.16	2.60	3.50	8.30	16.50
	2.00	4.60	0.50	1.65	3.70	4.90	11.80	23.50
	4.00	9.20	0.70	2.33	5.20	6.90	16.60	33.70
	7.00	16.10	0.93	3.10	6.90	9.20	21.90	43.10
LOW	10.00	23.10	1.10	3.70	8.20	11.00	26.30	52.50
PRESSURE	15.00	34.60	1.40	4.50	10.10	13.50	32.30	64.40
	20.00	46.20	1.60	5.20	11.70	15.60	37.30	74.40
	25.00	57.70	1.76	5.80	13.00	17.40	41.60	83.10
	30.00	69.30	1.93	6.40	14.30	19.10	45.60	91.00
	35.00	80.80	2.10	6.90	15.40	20.60	49.20	98.30
	40.00	92.40	2.20	7.40	16.50	22.00	52.60	105.00
	50.00	115.00	2.50	8.20	18.40	24.60	58.70	117.00
	60.00	138.00	2.70	9.00	20.20	27.00	64.40	128.00
	70.00	161.00	2.90	9.60	21.50	28.80	68.60	136.00
	80.00	184.00	3.10	10.30	23.30	31.00	74.00	147.00
	90.00	207.00	3.30	11.00	24.70	33.00	79.00	157.00
HIGH	100.00	231.00	3.50	11.60	26.00	34.70	84.00	165.00
PRESSURE	110.00	254.00	3.70	12.20	27.30	36.50	87.00	173.00
	125.00	289.00	3.90	13.00	29.20	39.00	93.00	186.00
	150.00	346.00	4.30	14.20	31.80	42.50	101.00	202.00
	175.00	404.00	4.60	15.30	34.40	46.00	109.00	218.00
	200.00	462.00	5.00	16.50	37.00	49.40	118.00	235.00

Range

	Size	Piston material	Backnut material	Seat bore	Tail length	Lever length	Recommended float size Copper	Plastic
	½"*	Nylon	Brass	⅛"	1 ¼"	10"	4 ½"x 5/16" W	4 ½"x 5/16" W
	½"	Brass	Brass	⅛"	1 ¼"	10"	4 ½"x 5/16" W	4 ½"x 5/16" W
HIGH	¾"	Brass	Brass	¼"	1 ½"	13"	5 ½"x 5/16" W	5"x 5/16" W
PRESSURE	1"	Brass	Brass	⅜"	1 ½"	14"	6"x ⅜" W	6"x ⅜" W
	1 ¼"	Brass	Brass	7/16"	2"	16"	8"x ⅜" W	8"x ⅜" W
	1 ½"	Brass	Brass	⅝"	2"	21 21/32"	10"x ½" W	10"x ½" W
	2"	Brass	Brass	⅝"	2"	21 21/32"	12"x ½" W	12"x ½" W

Connection	Dimensions (mm) A = BORE	Dimensions (mm) B	Dimensions (mm) C
½"	1/8"	1 ¼"	10"
¾"	¼"	1 ½"	13"
1"	3/8"	1 ½"	14"
1 ¼"	7/16"	2"	16"
1 ½"	21/32"	2 3/16"	26"
2"	15/16"	2 3/16"	26"
½" **855-Z**	1/8"	1 ¼"	10"



Flow Rate and Size Selection Chart General Notes:

The diskharge through a floatvalve is governed by the running pressure maintained at its inlet. In practice this is difficult to measure and so the tables shown indicate the 'estimated' flow rate in G.P.M that will occur at various static heads for each size of float-valve or for each size of seat in floatvalves that accept a variety of seat sizes. The flow rates quoted will only occur when the floatvalve is fully open and will reduce as the water level in the tank rises. Excessive pipe runs to the floatvalve will result in lower running pressures and thus reduced flow rates.

Note: Where the same flow rate is quoted for 2 sizes of floatvalve, select the smaller size if the indicated flow rate is more than 5% in excess of the flow rate required.

Material specification

Nr	Component	Material
1	Body	Brass
2	Piston	Brass / Nylon
3	Piston washer	NBR
4	Cotter pin	Brass
5	Lever	Brass
6	Backnut	Brass

Maximum cold working pressure (bar)
14.0 bar at temperature up to 85ºC

Maximum hot working pressure (bar)
Not suitable for maximum hot working pressure

856 MOH Floatvalve Portsmouth pattern low pressure

DN	Connection	Code	Total (kg)
DN10	⅜"	519006	0.25
DN20	½"*	519007	0.26
DN25	¾"	519008	0.45
DN32 **856-Z**	½"	519017	0.29

specification

- details required

Flow rates and size selection (gpm)

	Static pressure		856 Floatvalve		
	psi	feet	⅜"	½"	¾"
	0.50	1.15	0.61	0.61	1.85
	1.00	2.30	0.86	0.86	2.60
	2.00	4.60	1.20	1.20	3.70
	4.00	9.20	1.70	1.70	5.20
	7.00	16.10	2.30	2.30	6.90
LOW	10.00	23.10	2.70	2.70	8.20
PRESSURE	15.00	34.60	3.30	3.30	10.10
	20.00	46.20	3.90	3.90	11.70
	25.00	57.70	4.30	4.30	13.00
	30.00	69.30	4.70	4.70	14.30
	35.00	80.80	5.10	5.10	15.40
	40.00	92.40	5.50	5.50	16.50

Range

	Size	Piston material	Backnut material	Seat bore	Tail length	Lever length	Recommended float size Copper	Recommended float size Plastic
	⅜"	Brass	Brass	7/32"	1 ¼"	7 ¼"		3"x 5/16" W
LOW	½"*	Nylon	Brass	7/32"	1 ¼"	10"	4 ½"x 5/16" W	4 ½"x 5/16" W
PRESSURE	¾"	Brass	Brass	⅜"	1 ½"	13"	5 ½"x 5/16" W	5"x 5/16" W
	½"	Brass	Brass	7/32"	1 ¼"	10"	4 ½"x 5/16" W	4 ½"x 5/16" W

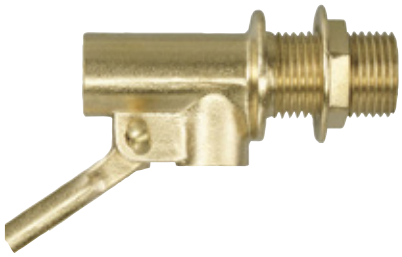
Connection	Dimensions (mm) A = BORE	Dimensions (mm) B	Dimensions (mm) C
⅜"	7/32"	1 ¼"	10"
½"*	7/32"	1 ¼"	10"
¾"	3/8"	1 ¼"	13"
½" **856-Z**	7/32"	1 ¼"	10"

Material specification

Nr	Component	Material
1	Body	Brass
2	Piston	Brass / Nylon*
3	Piston washer	NBR
4	Cotter pin	Brass
5	Lever	Brass
6	Backnut	Brass

Maximum cold working pressure (bar)
14.0 bar at temperature up to 85ºC

Maximum hot working pressure (bar)
Not suitable for maximum hot working pressure



Flow Rate and Size Selection Chart General Notes:

The diskharge through a floatvalve is governed by the running pressure maintained at its inlet. In practice this is difficult to measure and so the tables shown indicate the 'estimated' flow rate in G.P.M that will occur at various static heads for each size of float-valve or for each size of seat in floatvalves that accept a variety of seat sizes. The flow rates quoted will only occur when the floatvalve is fully open and will reduce as the water level in the tank rises. Excessive pipe runs to the floatvalve will result in lower running pressures and thus reduced flow rates.

Note: Where the same flow rate is quoted for 2 sizes of floatvalve, select the smaller size if the indicated flow rate is more than 5% in excess of the flow rate required.

857N/859N Floatvalve nylon seat BS 1212 part one high pressure

specification

- BS 1212 part 1

Float valves to BS 1212

BS 1212 Part One. High pressure. Nylon seat

Pattern number	Size	Piston material	Backnut material	Seat bore	Tail length	Lever length	Order code	Recommended float size Copper	Recommended float size Plastic	Weight approx kg
857 N	½"*	N	B	No3 (⅛")	1 ¼"	8 ¾"	514007	4 ½"x 5⁄16" W	4 ½"x 5⁄16" W	0.39
857 N-Z	½"	N	N	No3 (⅛")	1 ¼"	8 ¾"	514017	4 ½"x 5⁄16" W	4 ½"x 5⁄16" W	0.33
857 N-S	½"	N	B	No5 (3⁄16")	1 ¼"	8 ¾"	514018	4 ½"x 5⁄16" W	4 ½"x 5⁄16" W	0.39
857 N-Y	½"	B	B	No3 (⅛")	1 ¼"	8 ¾"	514027	4 ½"x 5⁄16" W	4 ½"x 5⁄16" W	0.42
857 N-X	½"	N	B	No3 (⅛")	1 ¼"	10 ½"	514037	4 ½"x 5⁄16" W	4 ½"x 5⁄16" W	0.40
857 N-W	½"	N	B	No3 (⅛")	1 ⅞"	10 ½"	514047	4 ½"x 5⁄16" W	4 ½"x 5⁄16" W	0.43
857 N-V	½"	B	B	No3 (⅛")	1 ⅞"	10 ½"	514057	4 ½"x 5⁄16" W	4 ½"x 5⁄16" W	0.46
857 N-U	½"	N	B	No3 (⅛")	2 ½"	10 ½"	514067	4 ½"x 5⁄16" W	4 ½"x 5⁄16" W	0.44
857 N	¾"	B	B	No6 (¼")	1 ¼"	13"	514008	5 ½"x 5⁄16" W	5"x 5⁄16" W	0.89
857 N	1"	Bz	B	No9 (⅜")	1 ½"	16"	514009	6"x 7⁄16" W	6"x 7⁄16" W	1.62
BS 1212 Part One. Low pressure. Nylon seat										
859 N	½"	B	B	No9 (⅜")	1 ¼"	8 ¾"	515007	4 ½"x 5⁄16" W	4 ½"x 5⁄16" W	0.49
859 N-V	½"	B	B	No9 (⅜")	1 ⅞"	10 ½"	515027	4 ½"x 5⁄16" W	4 ½"x 5⁄16" W	0.50
859 N	¾"	B	B	No13 (½")	1 ¼"	13"	515008	5 ½"x 5⁄16" W	5"x 5⁄16" W	0.90

Note: Shading denotes variation to standard ½"

Specification key: B = Brass, N = Nylon, Bz = Bronze

Flow rates and size selection (gpm)

	Static pressure		BS 1212 Part One. Seat bore size			
	psi	feet	⅛"	¼"	⅜"	½"
	0.50	1.15	0.20	0.82	1.84	3.38
	1.00	2.30	0.29	1.16	2.61	4.65
	2.00	4.60	0.41	1.65	3.69	6.57
	4.00	9.20	0.53	2.33	5.22	9.29
	7.00	16.10	0.77	3.08	6.90	12.30
LOW	10.00	23.10	0.92	3.69	8.27	14.70
PRESSURE	15.00	34.60	1.13	4.52	10.10	18.00
	20.00	46.20	1.31	5.22	11.70	20.80
	25.00	57.70	1.46	5.82	13.00	23.20
	30.00	69.30	1.60	6.40	14.30	25.50
	35.00	80.80	1.73	6.90	15.50	27.50
	40.00	92.40	1.85	7.38	16.50	29.50
	50.00	115.00	2.06	8.24	18.50	32.80
	60.00	138.00	2.26	9.02	20.20	36.00
MEDIUM	70.00	161.00	2.44	9.74	21.80	38.80
PRESSURE	80.00	184.00	2.60	10.40	23.30	41.50
	90.00	207.00	2.76	11.00	24.70	44.00
	100.00	231.00	2.92	11.60	26.10	46.50
	110.00	254.00	3.06	12.20	27.40	48.80
	125.00	289.00	3.26	13.10	29.20	52.10
HIGH	150.00	346.00	3.58	14.30	32.00	57.10
PRESSURE	175.00	404.00	3.86	15.40	34.60	61.60
	200.00	462.00	4.13	16.50	37.00	65.90

Maximum pressure temperature ratings

Size	Minimum operating pressure (bar)	Maximum cold working pressure (bar)	Maximum hot working pressure (bar)
	No minimum operating pressure	Temperatures up to 85°C	Not suitable for maximum hot working pressure
½" to 1"		14.0	

Flow Rate and Size Selection Chart General Notes:

The diskharge through a floatvalve is governed by the running pressure maintained at its inlet. In practice this is difficult to measure and so the tables shown indicate the 'estimated' flow rate in G.P.M that will occur at various static heads for each size of float-valve or for each size of seat in floatvalves that accept a variety of seat sizes. The flow rates quoted will only occur when the floatvalve is fully open and will reduce as the water level in the tank rises. Excessive pipe runs to the floatvalve will result in lower running pressures and thus reduced flow rates.

Material specification

Nr	Component	Material
1	Body	Brass
2	Body cap	Brass
3	Lever	Brass
4	Cotter pin	Brass
5	Lever nut	Brass
6	Body union nut	Brass
7	Tail pipe	Brass
8	Union nut washer	Fibre
9	Back nut washer/ spigot nut	Brass / Nylon
10	Seats	Nylon
11	Piston	Brass / Nylon
12	Piston washer	NBR
13	Cap seal	NBR

857B/859B Floatvalve bronze seat BS 1212 part one high pressure

specification

- BS 1212 part 1

Float valves to BS 1212

BS 1212 Part One. High pressure. Bronze seat

Pattern number	Size	Piston material	Backnut material	Seat bore	Tail length	Lever length	Order code	Recommended float size Copper	Recommended float size Plastic	Weight approx kg
857 B-Y	½"	B	B	No3 (⅛")	1 ¼"	8 ¾"	514097	4 ½"x 5/16" W	4 ½"x 5/16" W	0.43
857 B-V	½"	B	B	No3 (⅛")	1 ⅞"	10 ½"	514127	4 ½"x 5/16" W	4 ½"x 5/16" W	0.48
857 B	¾"	B	B	No6 (¼")	1 ¼"	13"	514078	5 ½"x 5/16" W	5"x 5/16" W	0.93
857 B	1"	Bz	B	No9 (⅜")	1 ½"	16"	514079	6"x 7/16" W	6"x 7/16" W	1.66
BS 1212 Part One. Low pressure. Bronze seat										
859 B	½"	B	B	No9 (⅜")	1 ¼"	8 ¾"	515037	4 ½"x 5/16" W	4 ½"x 5/16" W	0.48

Note: Shading denotes variation to standard ½"

Specification key: B = Brass, N = Nylon, Bz = Bronze

Flow rates and size selection (gpm)

	Static pressure		857 / 859 float valve		
	psi	feet	⅛"	¼"	⅜"
	0.50	1.15	0.20	0.82	1.84
	1.00	2.30	0.29	1.16	2.61
	2.00	4.60	0.41	1.65	3.69
	4.00	9.20	0.58	2.33	5.22
	7.00	16.10	0.77	3.08	6.90
LOW	10.00	23.10	0.92	3.69	8.27
PRESSURE	15.00	34.60	1.13	4.52	10.10
	20.00	46.20	1.31	5.22	11.70
	25.00	57.70	1.46	5.82	13.00
	30.00	69.30	1.60	6.40	14.30
	35.00	80.80	1.73	6.90	15.50
	40.00	92.40	1.85	7.38	16.50
	50.00	115.00	2.06	8.24	18.50
	60.00	138.00	2.26	9.02	20.20
MEDIUM	70.00	161.00	2.44	9.74	21.80
PRESSURE	80.00	184.00	2.60	10.40	23.30
	90.00	207.00	2.76	11.00	24.70
	100.00	231.00	2.92	11.60	26.10
	110.00	254.00	3.06	12.20	27.40
	125.00	289.00	3.26	13.10	29.20
HIGH	150.00	346.00	3.58	14.30	32.00
PRESSURE	175.00	404.00	3.86	15.40	34.60
	200.00	462.00	4.13	16.50	37.00

Flow Rate and Size Selection Chart General Notes:

The diskharge through a floatvalve is governed by the running pressure maintained at its inlet. In practice this is difficult to measure and so the tables shown indicate the 'estimated' flow rate in G.P.M that will occur at various static heads for each size of float-valve or for each size of seat in floatvalves that accept a variety of seat sizes. The floe rates quoted will only occur when the floatvalve is fully open and will reduce as the water level in the tank rises. Excessive pipe runs to the floatvalve will result in lower running pressures and thus reduced flow rates.

Note: Where the same flow rate is quoted for 2 sizes of floatvalve, select the smaller size if the indicated flow rate is more than 5% in excess of the flow rate required.

Material specification

Nr	Component	Material
1	Body	Brass
2	Body cap	Brass
3	Lever	Brass
4	Cotter pin	Brass
5	Lever nut	Brass
6	Body union nut	Brass
7	Tail pipe	Brass
8	Union nut washer	Fibre
9	Back nut washer/spigot nut	Brass / Nylon
10	Seals	Bronze
11	Piston	Brass
12	Piston washer	NBR
13	Cap seal	NBR

901 Floatvalve equilibrium pattern reduced bore

specification

- BS 1212 part 1

Range

Pattern number	Size	Piston material	Backnut material	Seat bore	Tail length	Lever length	Recommended float size Copper	Recommended float size Plastic	Weight approx kg
520007-901	½"	Brass	Brass	5/16"	1 ¼"	11"	4 ½"x 5/16" W	4 ½"x 5/16" W	0.47
520008-901	¾"	Brass	Brass	½"	1 ¼"	12 7/8"	5 ½"x 5/16" W	5"x 5/16" W	0.91
520009-901	1"	Brass	Brass	¾"	1 ½"	10 1/16"	6"x 7/16" W	6"x 7/16" W	1.56
520010-901	1 ¼"	Bronze	Bronze	1 1/64"	1 7/8"	10 5/16"	8"x 9/16" W		3.40
520011-901	1 ½"	Bronze	Bronze	1 3/16"	1 7/8"	10 5/16"	10"x 9/16" W	10"x 9/16" W	3.42
520012-901	2"	Bronze	Bronze	1 ½"	2 1/8"	11 1/8"	12"x 5/8" W	12"x 5/8" W	5.84
520300-901	2 ½"	Bronze	Bronze	2 ¼"	3"	19"	12"x 9/16" W (Claw)		5.11
520305-901	3"	Bronze	Bronze	2 ½"	3 ½"	20"	14"x ¾" W (Claw)	Not Recommended	8.25
520310-901	4"	Bronze	Bronze	3"	4"	21"	15"x ¾" W (Claw)		12.78
520315-901	6"	Bronze	Bronze	4"	5"	23"	16"x 7/8" W (Claw)		24.55

Note: Where two sizes or two patterns of floatvalve are capable of providing the required flow rate, select the smaller size if the indicated flow rate is more than 10% in excess of the flow rate required.

Flow rates and size selection (gpm)

Static pressure		901 - Float valve size									
Bar	psi	½"	¾"	1"	1 ¼"	1 ½"	2"	2 ½"	3"	4"	6"
0.50	7.20	6.60	11.70	24.20	46.20	55.00	63.80	105.60	143.00	316.80	472.90
1.00	14.50	10.60	16.10	33.00	63.80	77.00	92.40	147.40	193.60	417.90	681.90
1.50	21.70	12.80	19.10	39.20	78.10	95.70	112.20	176.00	231.00	492.70	835.90
2.00	29.00	14.70	22.00	44.00	89.10	107.80	128.70	202.40	264.00	549.90	967.90
2.50	36.20	16.10	24.00	48.00	99.00	121.00	143.00	224.40	288.20	602.70	1077.80
3.00	43.50	17.40	26.20	51.50	107.80	132.00	158.40	242.00	312.40	644.50	1176.80
4.00	58.00	19.40	29.50	57.90	123.20	149.60	182.60	275.00	352.00	725.90	1341.80
5.00	72.00	21.30	32.30	63.40	136.40	169.40	204.60	303.60	384.90	791.90	1484.80
6.00	87.00	22.70	35.00	68.20	148.50	183.70	222.20	330.00	417.90	857.90	1605.80
7.00	101.00	24.20	37.20	72.80	158.40	200.20	237.60	349.80	483.90	921.70	1715.80
8.00	116.00	25.50	39.40	77.00	169.40	214.50	255.20	368.40	470.70	967.90	1825.70
9.00	130.00	26.80	41.10	81.40	178.20	227.70	269.50	384.90	494.90	1022.90	1913.70
10.00	145.00	27.90	42.90	85.80	187.00	261.80	281.60	400.30	516.90	1073.40	1979.70
11.00	159.00	29.00	44.90	89.70							
12.00	174.00	29.90	46.40	93.50							
13.00	188.00	30.80	48.00	97.40							
14.00	203.00	31.90	49.50	101.20							

NOT SUITABLE FOR PRESSURES ABOVE 10 BAR

½" - 1" Size

1¼" - 6" Size

Flow Rate and Size Section Chart general notes:

The diskharge through a floatvalve is governed by the running pressure maintained at its inlet. In practice this is difficult to measure and so the tables shown indicate the 'estimated' flow rate in G.P.M. that will occur at various static heads for each size of floatvalve or for each size of seat in floatvalves that accept a variety of seat sizes. The flow rates quoted will only occur when the floatvalve is fully open and will reduce as the water level in the tank rises. Excessive pipe runs to the floatvalve will result in lower running pressures and thus reduced flow rates.

Maximum pressure temperature ratings

Size	Minimum operating pressure (bar)	Maximum cold working pressure (bar)	Maximum hot working pressure (bar)
	No minimum operating pressure	Temperatures up to 85°C	Not suitable for maximum hot working pressure
½" to 1"		14.0	
1 ¼" to 6"		10.0	

Material specification

Nr	Component	Material	
1	Size	½" to 1"	1 ¼" to 6"
2	Body	Brass	Bronze (GM)
3	Inlet shank	Brass	Bronze (GM)
4	Coupling nut	Brass	Bronze (GM)
5	Joint washers	Fibre (non-asbestos)	Fibre (non-asbestos)
6	Seat	Bronze	Bronze (GM)
7	Piston	Brass	Bronze (GM)
8	Piston guide	Brass	Bronze (GM)
9	Piston 'O' ring	EPDM	Nitrile
10	Retaining cap/ end cap	Brass	Bronze (GM)
11	Piston washer	Rubber	EPDM
12	Fixed flange backnut	Brass	Bronze (GM)
13	Lever heel	Brass	Bronze (GM)
14	Spigot backnut/ loose	Brass	Bronze (GM)
15	Sealing washer		Fibre (non-asbestos)
16	Split pin	Brass	Brass
17	Retaining washer		Stainless steel
18	Retaining bolt		Stainless steel
19	Lever nuts	Brass	
20	Lever arm	Brass	HT Brass

Floats for Pegler float operated valves

Range	Code	Connection to lever arm*	Total (kg)
3"x 5/16" W	596022	5/16" W	0.03
4 1/2"x 5/16" W	596032	5/16" W	0.092
5"x 5/16" W	596033	5/16" W	0.114
6"x 3/8" W	596025	3/8" W	0.168
6"x 7/16" W	596026	7/16" W	0.170
8"x 3/8" W	596028	3/8" W	0.408
10" x 1/2" W	596029	1/2" W	0.803
10"x 9/16" W	596036	9/16" W	0.690
12" x 1/2" W	596038	1/2" W	0.788
12"x 5/8" W	596031	5/8" W	0.914

specification

- details required

Copper float sizes

Range	Code	Total (kg)
4 1/2"	596001	0.121
5 1/2"	596003	0.183
6"	596004	0.219
8"	596006	0.442
10"	596008	0.686
12"	596009	1.005
14"	596010	2.420
15"	596011	2.390
16"	596012	2.766

Brass studs for copper floats. Required for copper float 4 1/2" to 12"

Connection to lever arm*	Code	Total (kg)
5/16" W	596039	0.020
3/8" W	596040	0.020
7/16" W	596041	0.055
1/2" W	596042	0.104
9/16" W	596043	0.098
5/8" W	596044	0.187

Claws for copper floats. Required for copper float 12" to 16"

Connection to lever arm*	Code	Total (kg)
9/16" W	596047	0.332
3/4" W	596048	0.313
7/8" W	596049	0.532

* W - Whitworth thread

Note: Studs generally required for float valves up to 2", Claws for 2½" - 6" valves.
Note: Ball floats are only supplied in export shipments.

79 Chromium plated brass angle valve

hot or cold male iron x male iron

Connection	Code	Total (kg)
½"	510052	0.22

specification

- hot or cold
- male iron x male iron

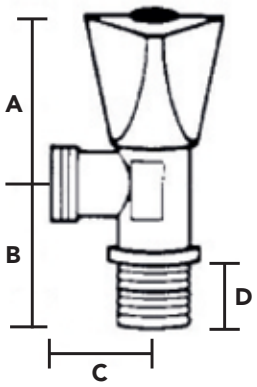
Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C	Dimensions (mm) D
½"	45.0	40.0	26.5	15.0

Maximum operating pressure ratings

Size	Minimum operating pressure No minimum operating pressure	Maximum cold working pressure Temperatures up to 95°C	Maximum hot working pressure Not suitable for maximum hot working pressure
½"		10.0	

Size	No minimum operating pressure	Temperatures up to 203°F	Not suitable for maximum hot working pressure
½"		145.0	

*Includes rosette



Material specification

Nr	Component	Material
1	Body	Brass (CP)
2	Headwork	Brass
3	Stem	Brass
4	Seat	Brass
5	Indice	Plastic
6	Circlip	Steel
7	Handle	Zinc alloy (CP)

by Pegler

78 Soft seat chromium plated brass angle valve

hot or cold, male iron x male iron

Connection	Code	Total (kg)
½"	510060	0.21

specification

- hot or cold
- male iron x male iron

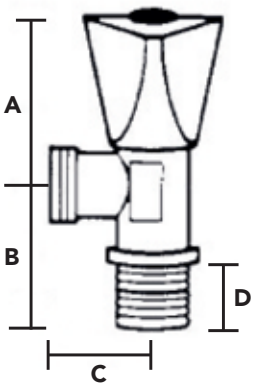
Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C	Dimensions (mm) D
½"	45.0	40.0	26.5	15.0

Maximum operating pressure ratings

Size	Minimum operating pressure No minimum operating pressure	Maximum cold working pressure Temperatures up to 95°C	Maximum hot working pressure Not suitable for maximum hot working pressure
½"		10.0	

Size	No minimum operating pressure	Temperatures up to 203°F	Not suitable for maximum hot working pressure
½"		145.0	

*Includes rosette



Material specification

Nr	Component	Material
1	Body	Brass (CP)
2	Headwork	Brass
3	Stem	Brass
4	Seat	NBR
5	Indice	Plastic
6	Circlip	Steel
7	Handle	Zinc alloy (CP)

77 Chromium plated brass angle valve

three point handle

Connection	Code	Total (kg)
½" x ½" (½" x 10mm)	510045	0.24

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½" x ½" (½" x 10mm)	50.0	49.0	40.0

specification

- TW three point handle

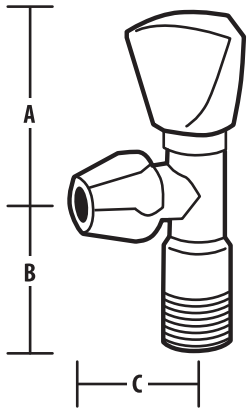
Maximum operating pressure ratings

Size	Minimum operating pressure No minimum operating pressure	Maximum cold working pressure Temperatures up to 95°C	Maximum hot working pressure Temperatures up to 95°C
½" x ½"		10.0	10.0
Size	**No minimum operating pressure**	**Temperatures up to 203°F**	**Temperatures up to 203°F**
½" x ½"		145.0	145.0

*Includes rosette

Material specification

Nr	Component	Material
1	Body	Brass
2	Headwork	Brass
3	Stem	Brass
4	Compression nut	CP Brass
5	Compression olive	Brass
6	Handle	CP Zinc alloy
7	Decor plate	Stainless steel 304
8	'O' ring	NBR
9	Circlip	Steel 65MN
10	Handle 'core'	Nylon
11	Washers	NBR



76 Chromium plated brass angle valve

by Pegler

Connection	Code	Total (kg)
½" x ⅜" (10mm)	510040	0.158
½" x ½"	510041	0.155

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½" x ⅜" (10mm)	46.0	47.0	41.0
½" x ½"	46.0	47.0	25.0

specification

- details required

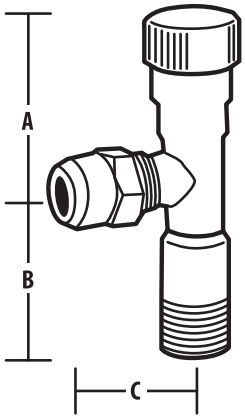
Maximum operating pressure ratings

Size	Minimum operating pressure No minimum operating pressure	Maximum cold working pressure Temperatures up to 95°C	Maximum hot working pressure Not suitable for maximum hot working pressure
½" x ½"		10.0	
Size	**No minimum operating pressure**	**Temperatures up to 203°F**	**Not suitable for maximum hot working pressure**
½" x ½"		145.0	

*Includes rosette

Material specification

Nr	Component	Material
1	Body	Brass (CP)
2	Headwork	Brass
3	Stem	Brass
4	Washer	NBR
5	Compression nut	CP Brass
6	Compression olive	Brass
7	Handle	ABS CP
8	'O' ring	NBR
9	Decor plate	Stainless steel 304



89 Concealed chromium plated brass stopvalve

hot or cold, female iron x female iron

Connection	Code	Total (kg)
½"	510100	0.35
¾"	510101	0.40

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	54.0	104.0
¾"	58.7	104.0

Maximum operating pressure ratings

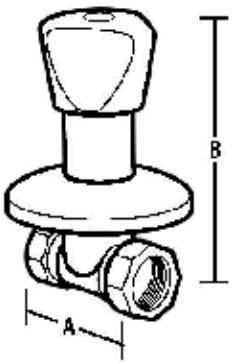
Size	Minimum working pressure (bar Temperatures up to 85°C
½" x ¾"	16.0
Size	**Temperatures up to 110.6°F**
½" x ¾"	231.1

Material specification

Nr	Component	Material
1	Body	Brass
2	Headwork	Brass
3	Sleeve	Brass (CP)
4	Jumper washer	Nitrile rubber
5	Handle	Zinc alloy CP
6	Indice	Plastic

specification

- hot or cold
- female iron x female iron



709 Light pattern brass stopvalve

crutch top, female iron x female iron

Connection	Code	Total (kg)
½"	510007	0.22
¾"	510008	0.42

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	54.0	66.5
¾"	63.5	71.5

Maximum operating pressure ratings

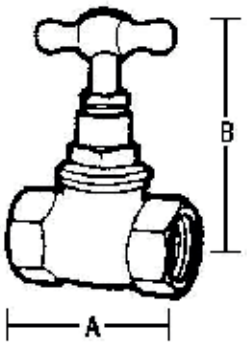
Size	Minimum working pressure (bar Temperatures up to 85°C
½" - ¾"	16.0
Size	**Temperatures up to 110.6°F**
½" - ¾"	231.1

Material specification

Nr	Component	Material
1	Body	Forged brass
2	Head	Brass bar
3	Spindle	Brass bar
4	Handle	Forged brass
5	Valve	Brass bar
6	Gland	Brass bar
7	Packing	Plastic
8	Seals	Rubber

specification

- crutch top
- female iron x female iron



744F Brass stopvalve (BS 1010)

crutch top, female iron x female iron

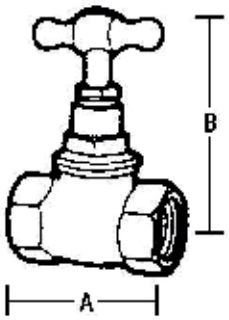
DN	Connection	ISO7-Rc taper	Total (kg)
DN15	½"	513007	0.35
DN20	¾"	513008	0.51
DN25	1"	513009	1.09
DN32	1 ¼"	513010	1.65
DN40	1 ½"	513011	2.19
DN50	2"	513012	4.03
DN80	3"*	513014	7.90

*3" Supplied with cast alloy hand wheel

specification

- BS1010
- crutch top
- female iron x female iron

Connection	Dimensions (mm) A	Dimensions (mm) B
½"	56.5	90.0
¾"	67.0	100.0
1"	86.0	122.0
1 ¼"	95.0	135.0
1 ½"	103.0	155.0
2"	130	180.0
3"*	184.0	230.0



Maximum operating pressure ratings

Size	Minimum working pressure (bar Temperatures up to 85°C
½" - 3"	16.0
Size	**Temperatures up to 185°F**
½" - 3"	232.6

NB. BS1010 is an obsolete standard

Material specification

Nr	Component	Material
1	Body	Forged brass
2	Head	Brass
3	Spindle	Brass
4	Handle	Brass
5	Valve	Brass
6	Gland	Brass
7	Packing	P.T.F.E.
8	Seals	EPDM

701 Light pattern brass bibtap

crutch top

DN	Connection	Code	Total (kg)
DN15	½"	509011	0.30
DN20	¾"	509013	0.53

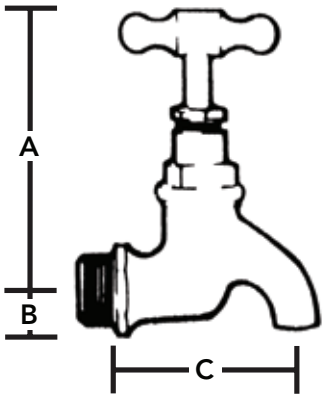
specification

- crutch top

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½"	70.0	38.0	75.0
¾"	80.0	46.0	87.0

Maximum operating pressure ratings

Size	Minimum operating pressure	Maximum cold working pressure	Maximum hot working pressure
	No minimum operating pressure	Temperatures up to 90°C	Not suitable for maximum hot working pressure
½" - ¾"		10.0	
Size	**No minimum operating pressure**	**Temperatures up to 194°F**	**Not suitable for maximum hot working pressure**
½" - ¾"		145.0	



Material specification

Nr	Component	Material
1	Body	Forged brass
2	Head	Brass bar
3	Spindle	Brass bar
4	Handle	Forged brass
5	Valve	Brass bar
6	Gland	Brass bar
7	Packing	P.T.F.E.
8	Seals	Rubber

723 Light pattern brass hose union bibtap

crutch top

Connection	Code	Total (kg)
½"	511007	0.30
¾"	511008	0.53

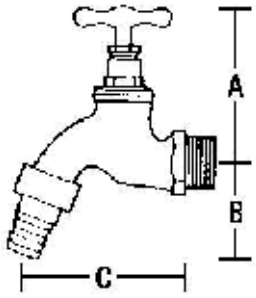
Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½"	70.0	38.0	75.0
¾"	80.0	46.0	87.0

specification

- crutch top

Maximum operating pressure ratings

Size	Minimum operating pressure	Maximum cold working pressure	Maximum hot working pressure
	No minimum operating pressure	Temperatures up to 90°C	Not suitable for maximum hot working pressure
½" - ¾"		10.0	
Size	**No minimum operating pressure**	**Temperatures up to 194°F**	**Not suitable for maximum hot working pressure**
½" - ¾"		145.0	



Material specification

Nr	Component	Material
1	Body	Forged brass
2	Head	Brass bar
3	Spindle	Brass bar
4	Handle	Forged brass
5	Valve	Brass bar
6	Gland	Brass bar
7	Packing	P.T.F.E.
8	Seals	Rubber

723AT Light pattern brass bibtap

crutch top, screwed ¾" American thread

Connection	Code	Total (kg)
½"	511037	0.30

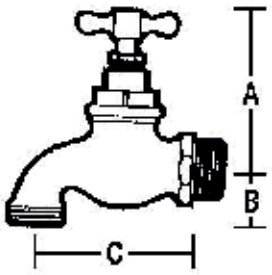
Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½"	70.0	38.0	75.0

specification

- crutch top
- screwed 3/4" American thread

Maximum operating pressure ratings

Size	Minimum operating pressure	Maximum cold working pressure	Maximum hot working pressure
	No minimum operating pressure	Temperatures up to 90°C	Not suitable for maximum hot working pressure
½"		10.0	
Size	**No minimum operating pressure**	**Temperatures up to 194°F**	**Not suitable for maximum hot working pressure**
½"		145.0	



Material specification

Nr	Component	Material
1	Body	Forged brass
2	Head	Brass bar
3	Spindle	Brass bar
4	Handle	Forged brass
5	Valve	Brass bar
6	Gland	Brass bar
7	Packing	P.T.F.E.
8	Seals	Rubber

141 Brass bibtap (BS 1010)

crutch top

Connection	Code	Total (kg)
½"	508017	0.38
¾"	508018	0.61

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½"	96.0	16.0	65.0
¾"	101.0	22.0	88.0

Maximum operating pressure ratings

Size	Minimum operating pressure No minimum operating pressure	Maximum cold working pressure Temperatures up to 90°C	Maximum hot working pressure Not suitable for maximum hot working pressure
½" - ¾"		10.0	
Size	**No minimum operating pressure**	**Temperatures up to 194°F**	**Not suitable for maximum hot working pressure**
½" - ¾"		145.0	

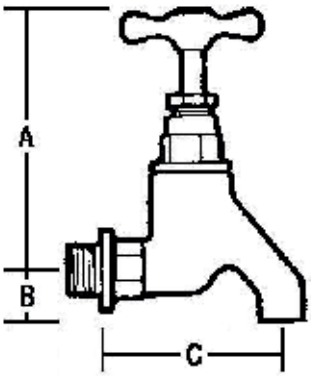
NB. BS1010 is as obsolete standard

Material specification

Nr	Component	Material
1	Body	Forged brass
2	Head	Brass bar
3	Spindle	Brass bar
4	Handle	Forged brass
5	Valve	Brass bar
6	Gland	Brass bar
7	Packing	EPDM
8	Seals	Rubber

specification

- BS1010
- crutch top



141HU Hose union bibtap (BS 1010)

crutch top

Connection	Code	Total (kg)
½"	508037	0.48

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½"	96.0	61.0	65.0

specification

- BS1010
- crutch top

Maximum operating pressure ratings

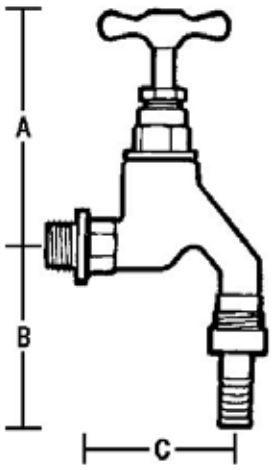
Size	Minimum operating pressure No minimum operating pressure	Maximum cold working pressure Temperatures up to 90°C	Maximum hot working pressure Not suitable for maximum hot working pressure
½"		10.0	

Size	No minimum operating pressure	Temperatures up to 194°F	Not suitable for maximum hot working pressure
½"		145.0	

NB. BS1010 is as obsolete standard

Material specification

Nr	Component	Material
1	Body	Forged brass
2	Head	Brass bar
3	Spindle	Brass bar
4	Handle	Forged brass
5	Valve	Brass bar
6	Gland	Brass bar
7	Packing	P.T.F.E.
8	Seals	Rubber



141HU FGK Brass hose union bibtap with ferrule guard and key, (BS 1010)

Connection	Code	Total (kg)
½"	508047	0.42
¾"	508048	0.81

specification

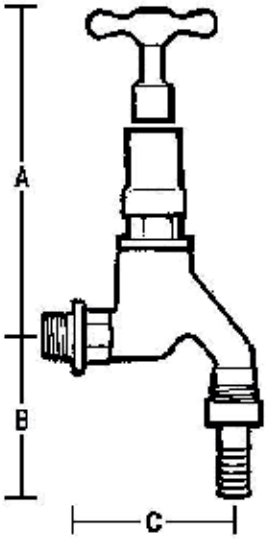
- BS1010

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½"	96.0	61.0	65.0
¾"	101.0	77.0	88.0

Maximum operating pressure ratings

Size	Minimum operating pressure	Maximum cold working pressure	Maximum hot working pressure
	No minimum operating pressure	Temperatures up to 90°C	Not suitable for maximum hot working pressure
½" - ¾"		10.0	
Size	**No minimum operating pressure**	**Temperatures up to 194°F**	**Not suitable for maximum hot working pressure**
½" - ¾"		145.0	

NB. BS1010 is as obsolete standard



Material specification

Nr	Component	Material
1	Body	Forged brass
2	Head	Brass bar
3	Spindle	Brass bar
4	Handle	Forged brass
5	Valve	Brass bar
6	Gland	Brass bar
7	Packing	P.T.F.E.
8	Seals	Rubber
9	Ferrule guard	Brass
10	Key	Brass

142HU Combined hose union bibtap with integral double check valve

DZR metal, crutch top

Connection	Code	Total (kg)
½"	508107	0.38

Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½"	96.0	76.0	65.0

specification

- DZR metal
- crutch top

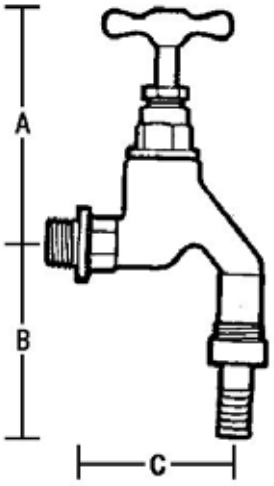
Maximum operating pressure ratings

Size	Minimum operating pressure No minimum operating pressure	Maximum cold working pressure Temperatures up to 90°C	Maximum hot working pressure Not suitable for maximum hot working pressure
½"		10.0	

Size	No minimum operating pressure	Temperatures up to 194°F	Not suitable for maximum hot working pressure
½"		145.0	

Material specification

Nr	Component	Material
1	Body	DZR Forged brass
2	Head	Brass bar
3	Spindle	Brass bar
4	Handle	Forged brass
5	Valve	Brass bar
6	Gland	Brass bar
7	Packing	P.T.F.E.
8	Seals	Rubber



142HU FGK Combined hose union bibtap with integral double check valve and ferrule guard and key, DZR metal

Connection	Code	Total (kg)
½"	508117	0.49

specification

- DZR metal

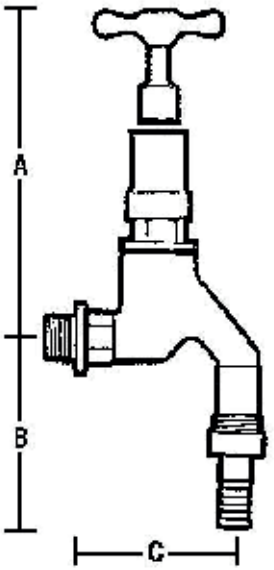
Connection	Dimensions (mm) A	Dimensions (mm) B	Dimensions (mm) C
½"	96.0	76.0	65.0

Maximum operating pressure ratings

Size	Minimum operating pressure	Maximum cold working pressure	Maximum hot working pressure
	No minimum operating pressure	Temperatures up to 90°C	Not suitable for maximum hot working pressure
½"		10.0	
Size	**No minimum operating pressure**	**Temperatures up to 194°F**	**Not suitable for maximum hot working pressure**
½"		145.0	

Material specification

Nr	Component	Material
1	Body	DZR Forged brass
2	Head	Brass bar
3	Spindle	Brass bar
4	Handle	Forged brass
5	Valve	Brass bar
6	Gland	Brass bar
7	Packing	P.T.F.E.
8	Seals	EPDM



833/834 Brass draincock

type A to BS 2879/2, type B to BS 2879/1, male taper thread to BS 21

Connection 833	Code	Total (kg)
½"	542007	
¾"	542008	

Connection	Dimensions (mm) A
½"	55.0
¾"	63.0

Maximum operating pressure ratings

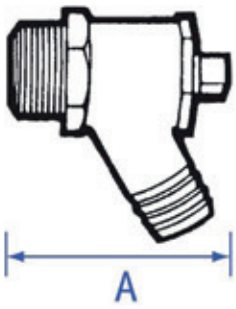
Size	Minimum operating pressure No minimum operating pressure	Maximum cold working pressure Temperatures up to 120°C	Maximum hot working pressure Not suitable for maximum hot working pressure
½" - ¾"		20.0	
Size	**No minimum operating pressure**	**Temperatures up to 248°F**	**Not suitable for maximum hot working pressure**
½" - ¾"		290.1	

Material specification

Nr	Component	Material
1	Body	Forged brass
2	Headwork	Brass
3	Spindle	Brass
4	Washer	EPDM
5	Spindle 'O' ring	EPDM
6	Cap'O' ring	EPDM

specification

- type A to BS 2879/2
- type B to BS 2879/1
- male taper thread to BS 21



Connection 834	Code	Total (kg)
½"	543007	

Connection	Dimensions (mm) A
½"	39.0

Maximum operating pressure ratings

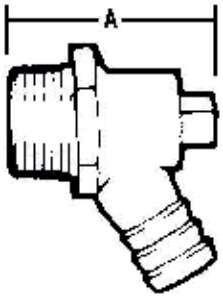
Size	Minimum operating pressure No minimum operating pressure	Maximum cold working pressure Temperatures up to 120°C	Maximum hot working pressure Not suitable for maximum hot working pressure
½"		20.0	
Size	**No minimum operating pressure**	**Temperatures up to 248°F**	**Not suitable for maximum hot working pressure**
½"		290.1	

Material specification

Nr	Component	Material
1	Body	Brass
2	Stem	Brass
3	Jumper washer	Rubber

specification

- type A to BS 2879/2
- type B to BS 2879/1
- male taper thread to BS 21



GM833 Bronze (GM) draincock

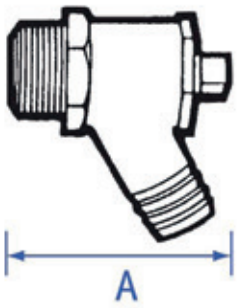
type A to BS 2879/2, male taper thread to BS 21

Connection	Code	Total (kg)
½"	542027	0.13
¾"	542028	0.26
1"	542029	0.60

specification

- type A to BS 2879/2
- male taper thread to BS 21

Connection	Dimensions (mm) A
½"	55.0
¾"	73.0
1"	79.0



Maximum pressure and temperature ratings

Size	Maximum working pressure (bar) Temperature up to 120°C	Test pressures (bar) Shell	Seat
½" - 1"	20.0	30.0	22.0
Size	**Maximum working pressure (psi)**	**Test pressures (psi)**	
	Temperature maximum 248°F	**Shell**	**Seat**
½" - 1"	290.1	435.1	319.1

Temperature range -10°C - +120°C (non shock)

Material specification

Nr	Component	Material
1	Body	Bronze (GM)
2	Headwork	Brass
3	Spindle	Brass
4	Washer	EPDM
5	Spindle 'O' ring	EPDM
6	Cap 'O' ring	EPDM

Applications

water

oil

GM833LS Bronze (GM) draincock

type A to BS 2879/2, male taper thread to BS 21

Connection	Code	Total (kg)
½"	542037	0.13
¾"	542038	0.26
1"	542039	0.60

specification

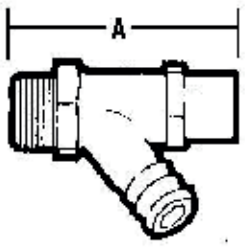
- type A to BS 2879/2
- male taper thread to BS 21

Connection	Dimensions (mm) A
½"	59.0
¾"	75.0
1"	83.0

Maximum pressure and temperature ratings

Size	Maximum working pressure (bar)	Test pressures (bar)	
	Temperature up to 120°C	Shell	Seat
½" - 1"	20.0	30.0	22.0
Size	**Maximum working pressure (psi)**	**Test pressures (psi)**	
	Temperature maximum 248°F	**Shell**	**Seat**
½" - 1"	290.1	435.1	319.1

Temperature range -10°C - +120°C (non shock)



Material specification

Nr	Component	Material
1	Body	Bronze (GM)
2	Headwork	Brass
3	Spindle	Brass
4	Washer	EPDM
5	Spindle 'O' ring	EPDM
6	Cap 'O' ring	EPDM
7	LS cover	Brass

Applications

water

oil

808 Chromium plated straight pattern brass service valve

copper x copper

Connection	Code	Total (kg)
15mm	523007	0.14
22mm	523008	0.22

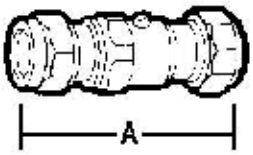
specification

- copper x copper

Connection	Dimensions (mm) A
15mm	59.0
22mm	70.0

Maximum operating pressure ratings

Size	Minimum operating pressure No minimum operating pressure	Maximum cold working pressure Temperatures up to 30°C	Maximum hot working pressure Temperatures up to 120°C
15mm to 22mm		16.0	5.0
Size	**No minimum operating pressure**	**Temperatures up to 86°F**	**Temperatures up to 248°F**
15mm to 22mm		232.1	72.5



Material specification

Nr	Component	Material
1	Body	CP brass
2	Ball	CP brass
3	Ball circlip	Stainless steel
4	Stem 'O' ring	EPDM
5	Ball seals	P.T.F.E.
6	Compression nuts	CP Brass
7	Compression olives	Brass

by Pegler

806 Chromium plated straight pattern brass service valve

copper x swivel union

Connection	Code	Total (kg)
15mm x ½"	521007	0.11

Connection	Dimensions (mm) A
15mm x ½"	57.0

Maximum operating pressure ratings

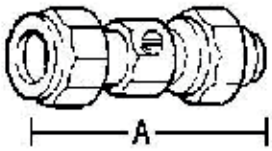
Size	Minimum operating pressure	Maximum cold working pressure	Maximum hot working pressure
	No minimum operating pressure	Temperatures up to 30°C	Temperatures up to 120°C
15mm to 22mm		16.0	5.0
Size	**No minimum operating pressure**	**Temperatures up to 86°F**	**Temperatures up to 248°F**
15mm to 22mm		232.1	72.5

Material specification

Nr	Component	Material
1	Body	CP brass
2	Ball	CP brass
3	Ball circlip	Stainless steel
4	Stem	CP brass
5	Stem 'O' ring	EPDM
6	Ball seals	P.T.F.E.
7	Compression nuts	CP brass
8	Spigot	CP brass
9	Swivel nut	CP brass
10	Washer	Red fibre (non-asbestos)

specification

- copper x swivel union



816 Brass spring safety valve, male thread

(export version*)

Connection	Code	Total (kg)
½"	538011	0.13
¾"	538012	0.17

Connection	Dimensions (mm) A
½"	47.0
¾"	51.0

Minimum operating pressure ratings

Size	Pressure setting range
½" - ¾"	28 - 38 lb/in²

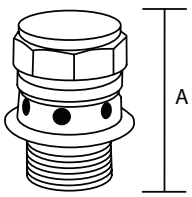
* Only for sale outside of the EU.

Material specification

Nr	Component	Material
1	Body	Brass
2	Cap	Brass
3	Setting lock nut	Brass
4	Spring	Stainless steel
5	Inlet seat	Brass

specification

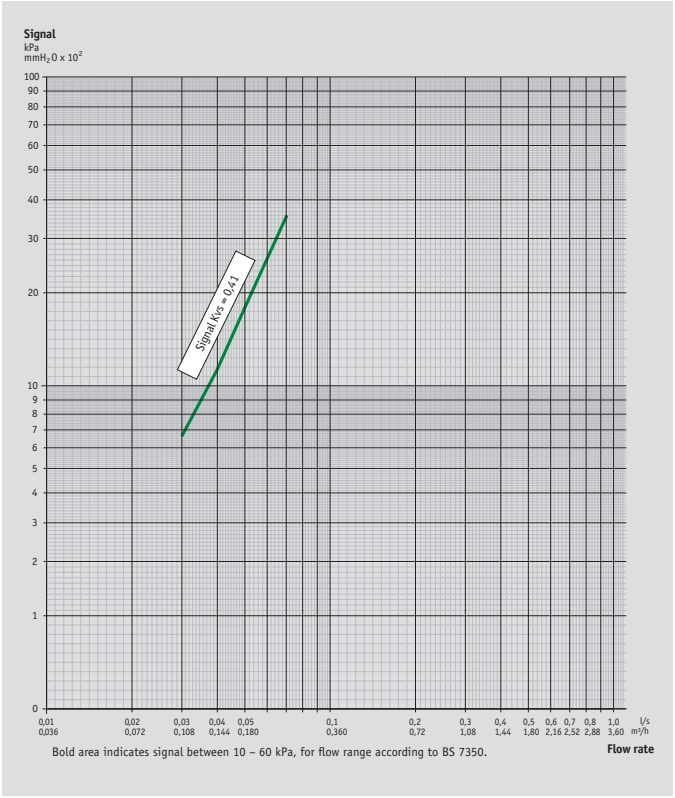
- male thread



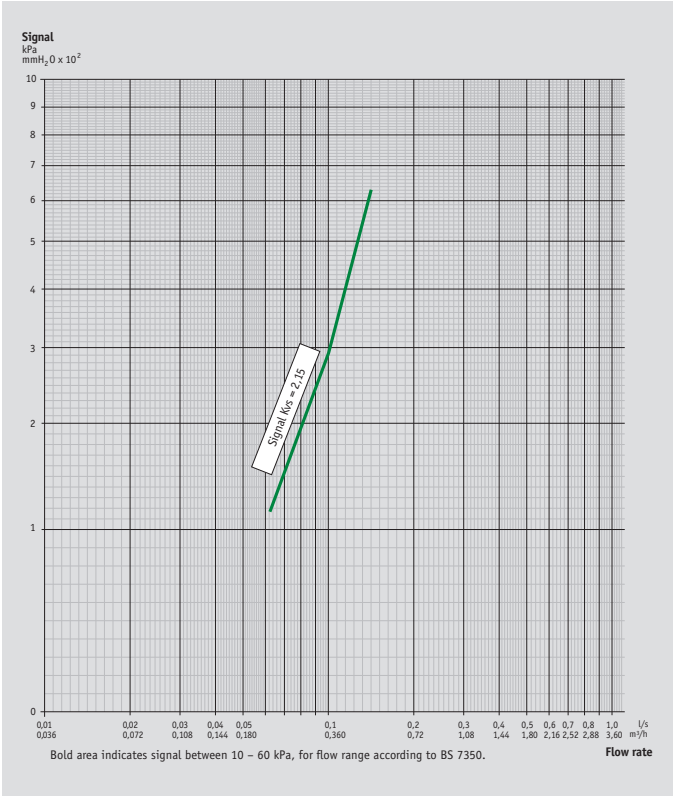
PEGLER Valve® technical support information

Commissioning products - Flow charts

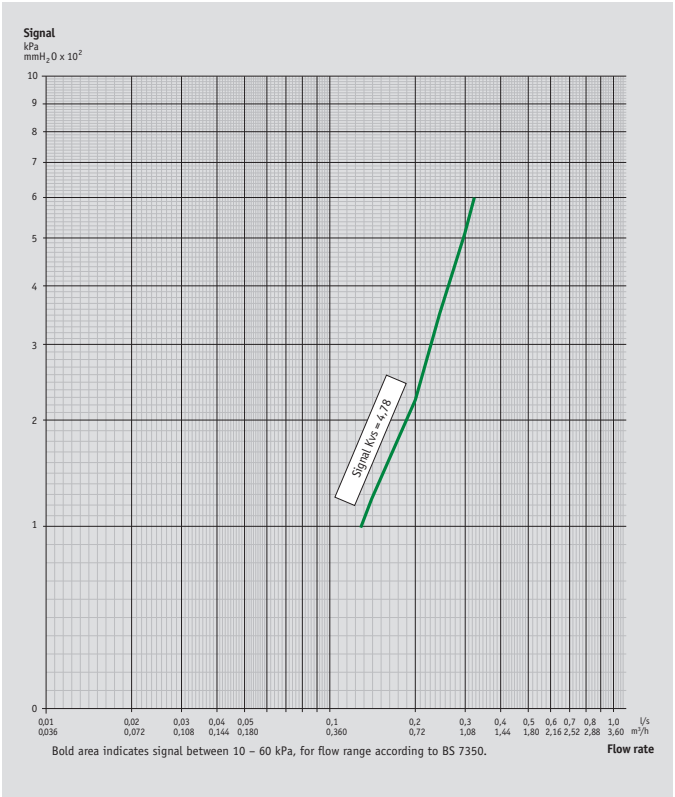
FODRV ½" 1260LF / 1250LF - Low flow



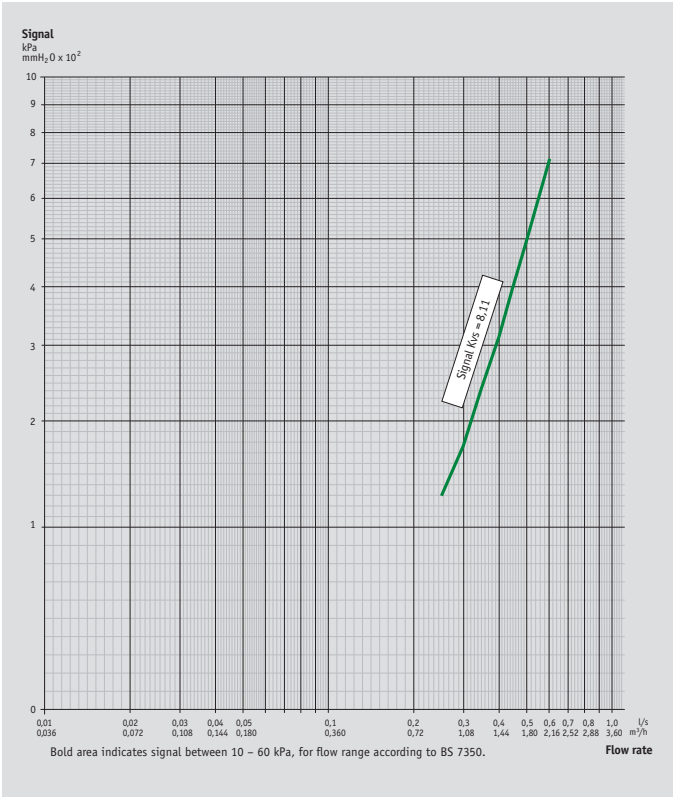
FODRV ½" 1260SF / 1250SF - Standard flow



FODRV ¾" 1260SF / 1250SF - Standard flow



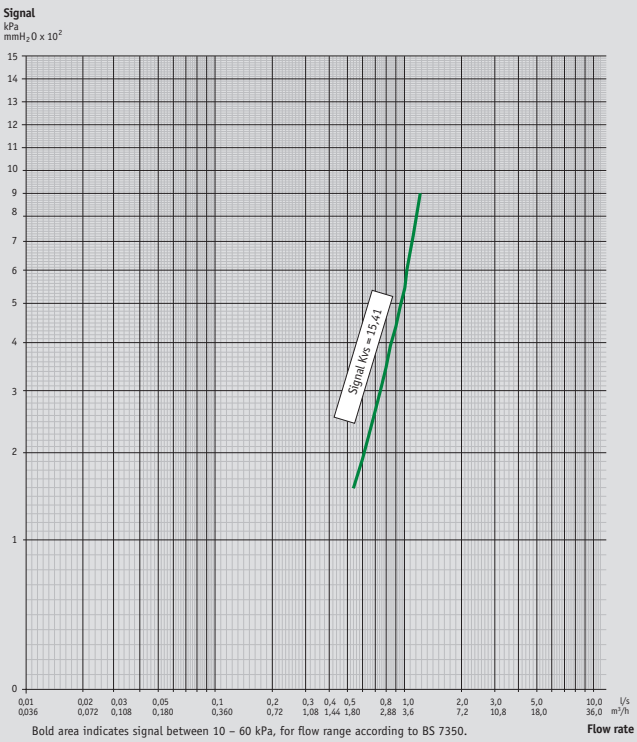
FODRV 1" 1260SF / 1250SF - Standard flow



1260/1250ULF and 1260/1250M flowcharts available on request

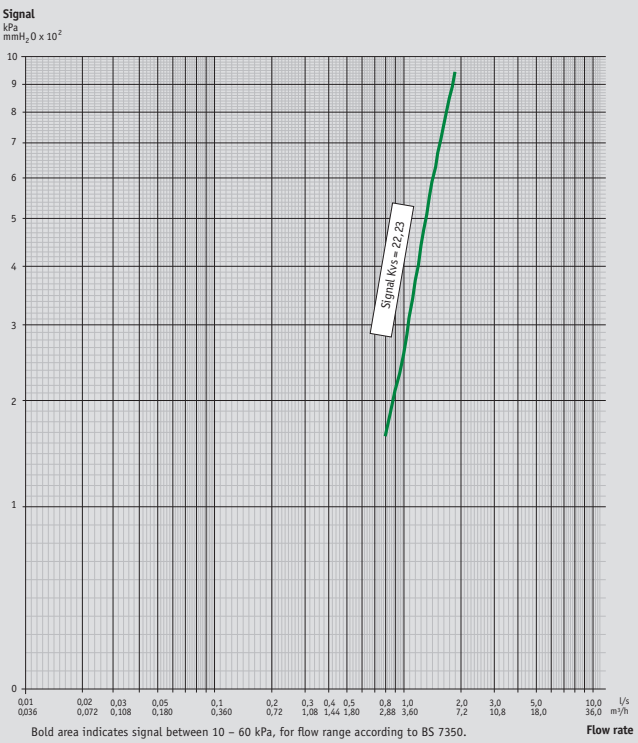
Commissioning products - Flow charts

FODRV 1¼” 1260SF / 1250SF - Standard flow



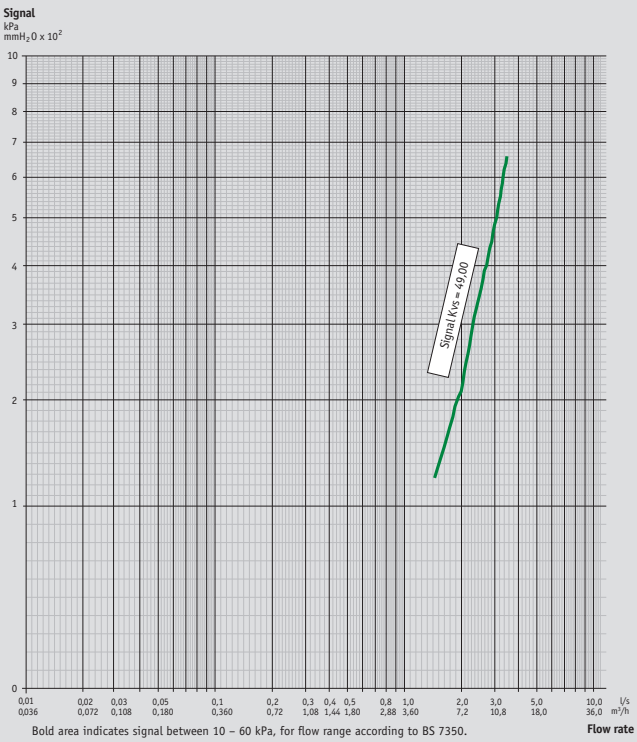
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

FODRV 1½” 1260SF / 1250SF - Standard flow



Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

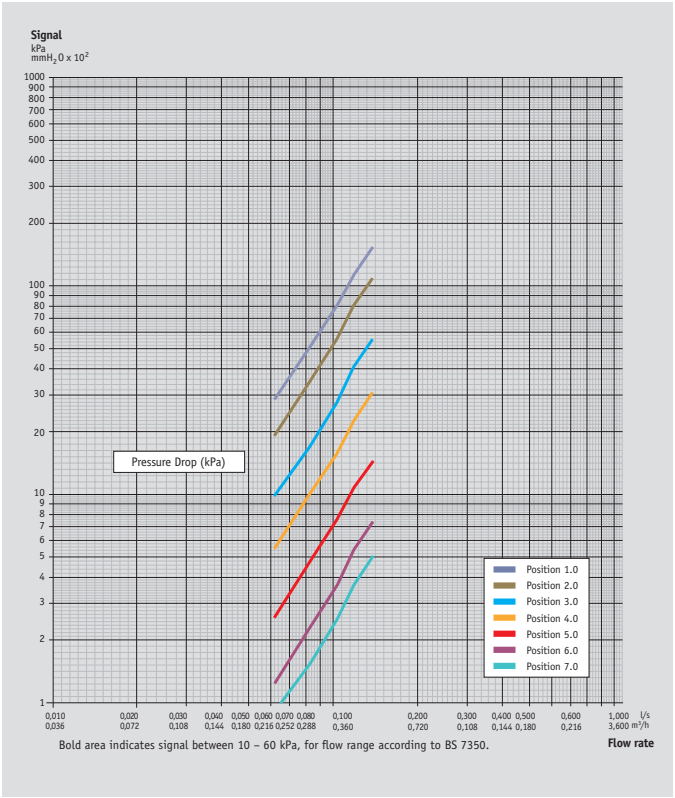
FODRV 2” 1260SF / 1250SF - Standard flow



Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

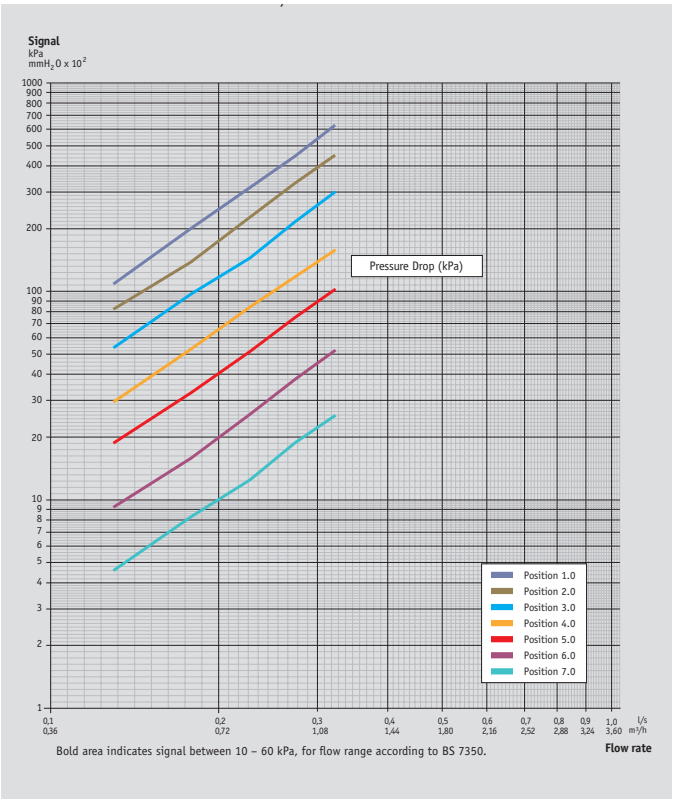
Commissioning products - Flow charts

DRV ½" 1200 - Standard flow



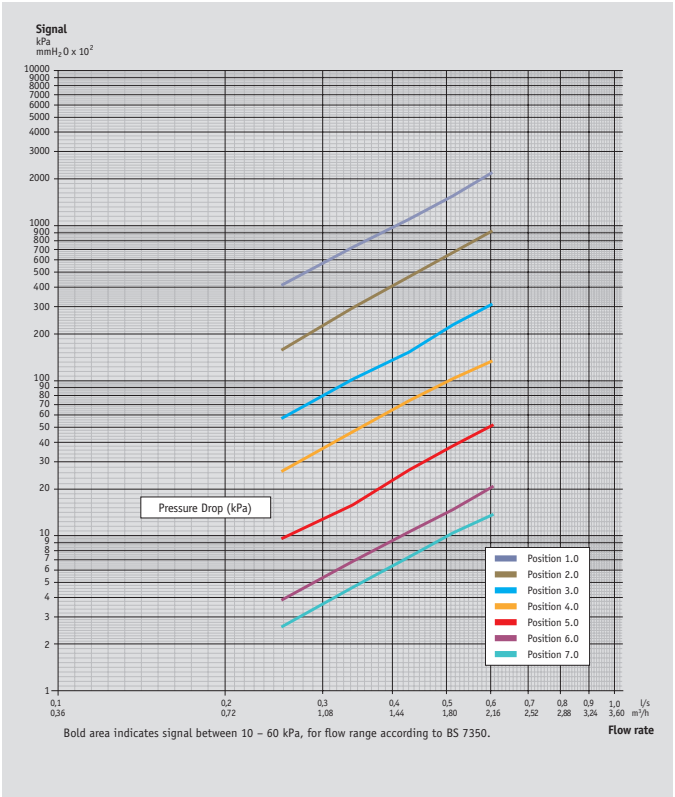
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

DRV ¾" 1200 - Standard flow



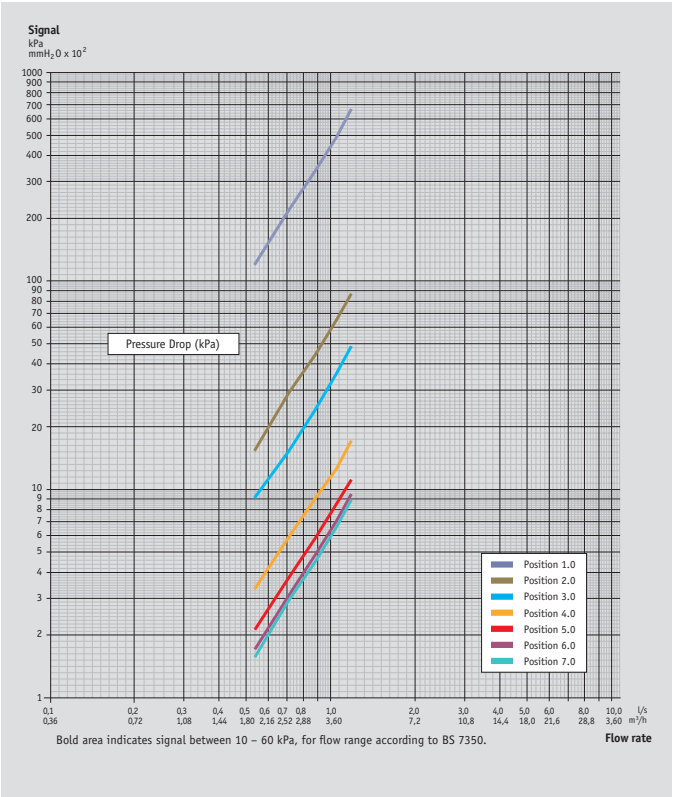
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

DRV 2" 1200 - Standard flow



Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

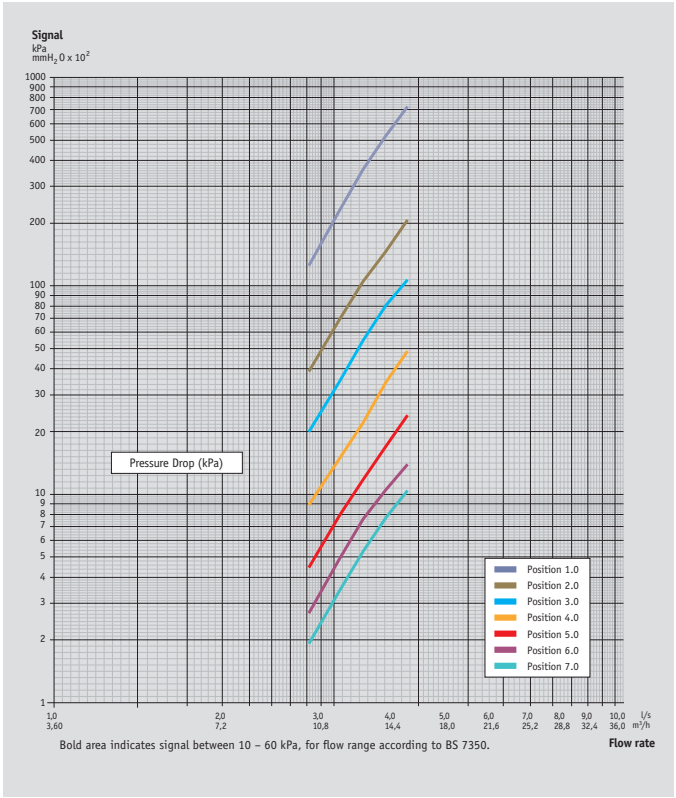
DRV 1¼" 1200 - Standard flow



Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

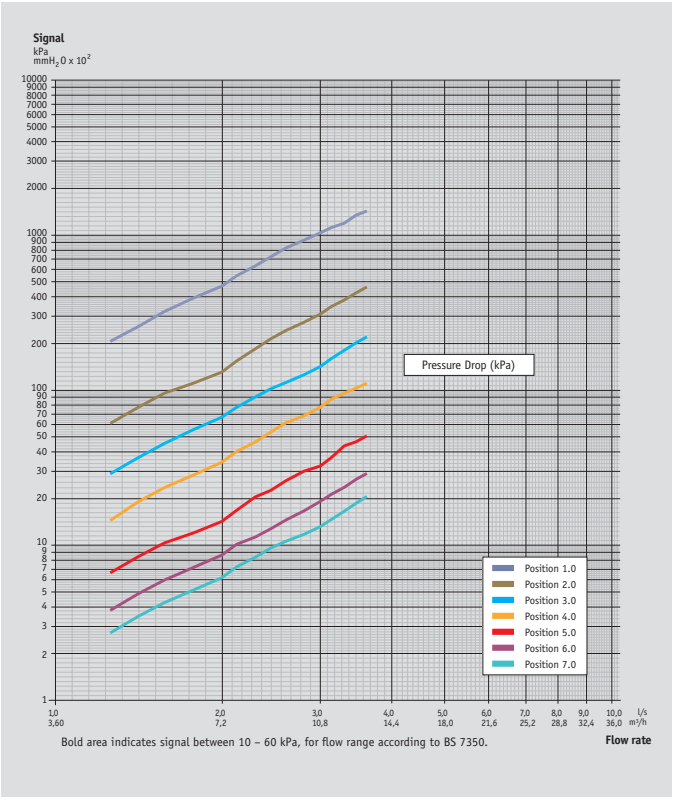
Commissioning products - Flow charts

DRV 1½" 1200 - Standard flow



Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

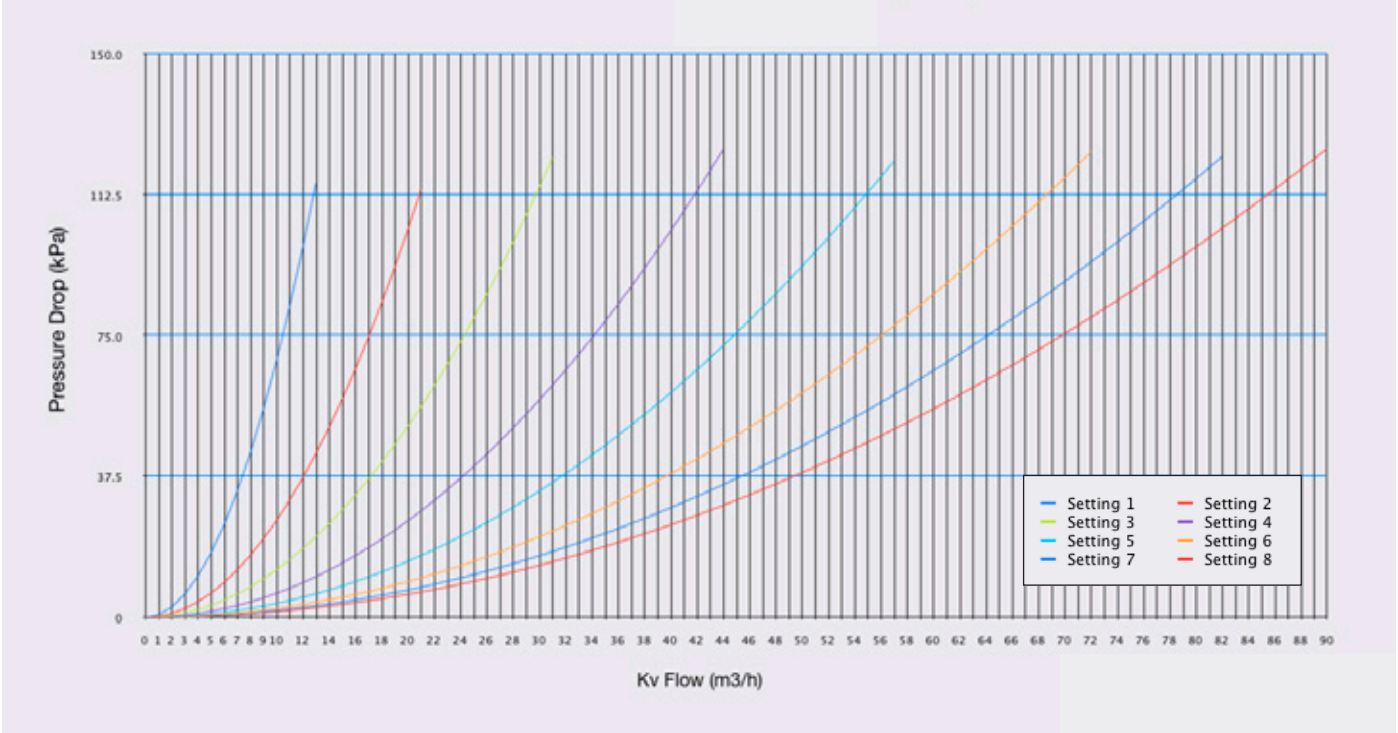
DRV 2" 1200 - Standard flow



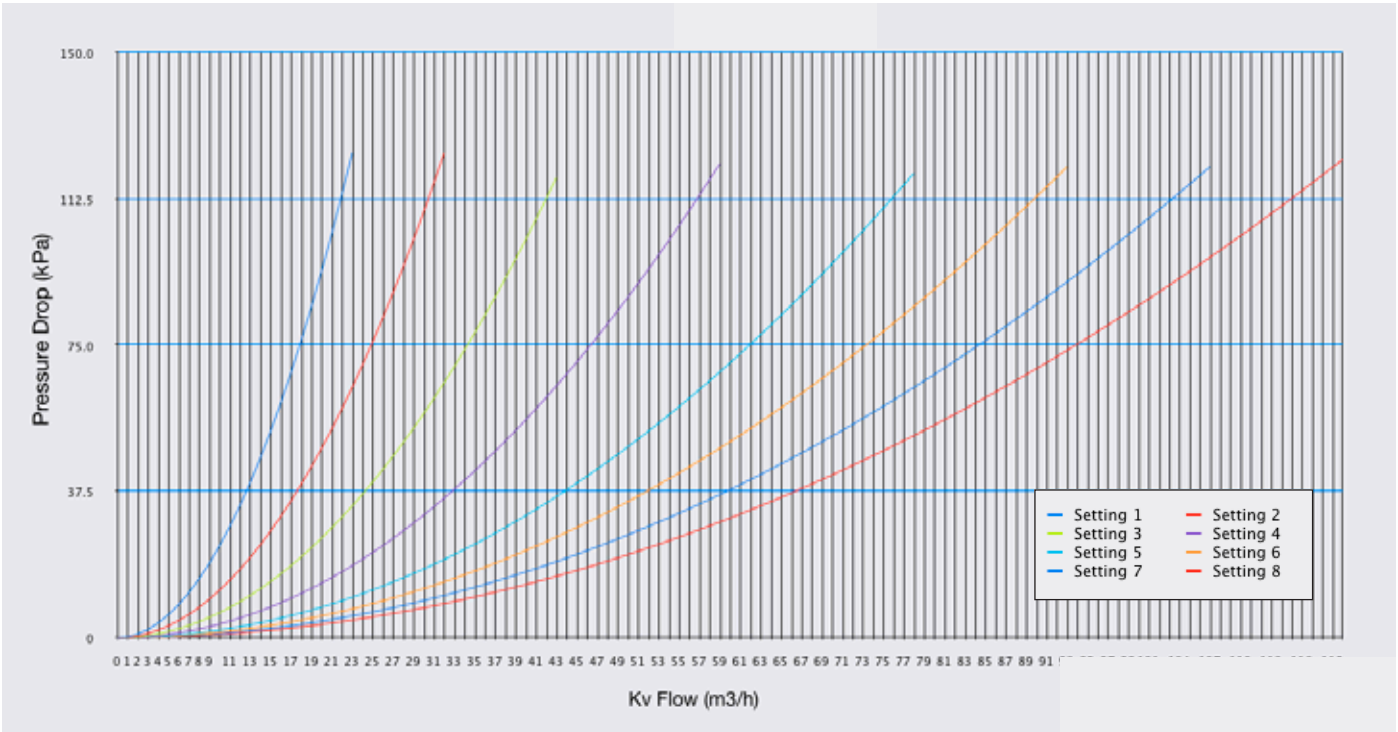
Bold area indicates signal between 10 – 60 kPa, for flow range according to BS 7350.

Commissioning products - Flow charts

DN65 V952 - Variable Orifice Double Regulating Valve

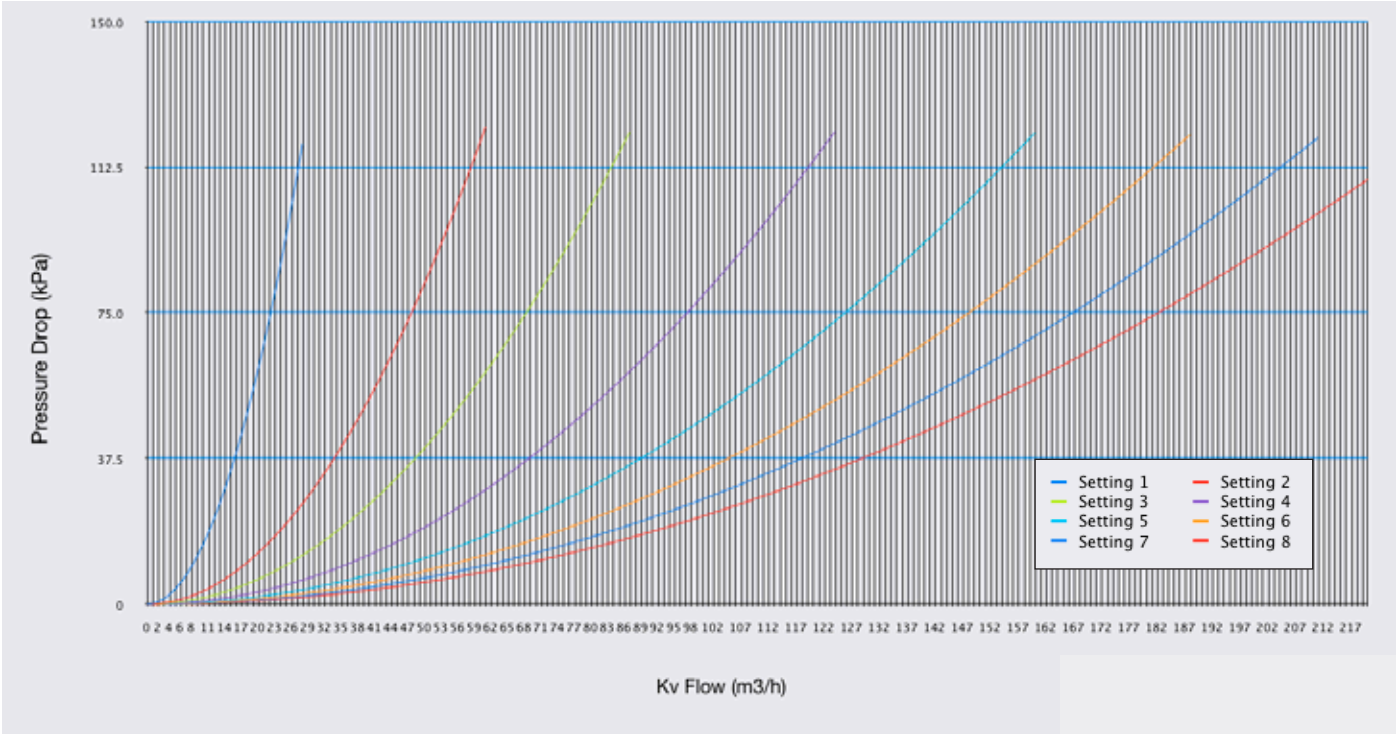


DN80 V952 - Variable Orifice Double Regulating Valve

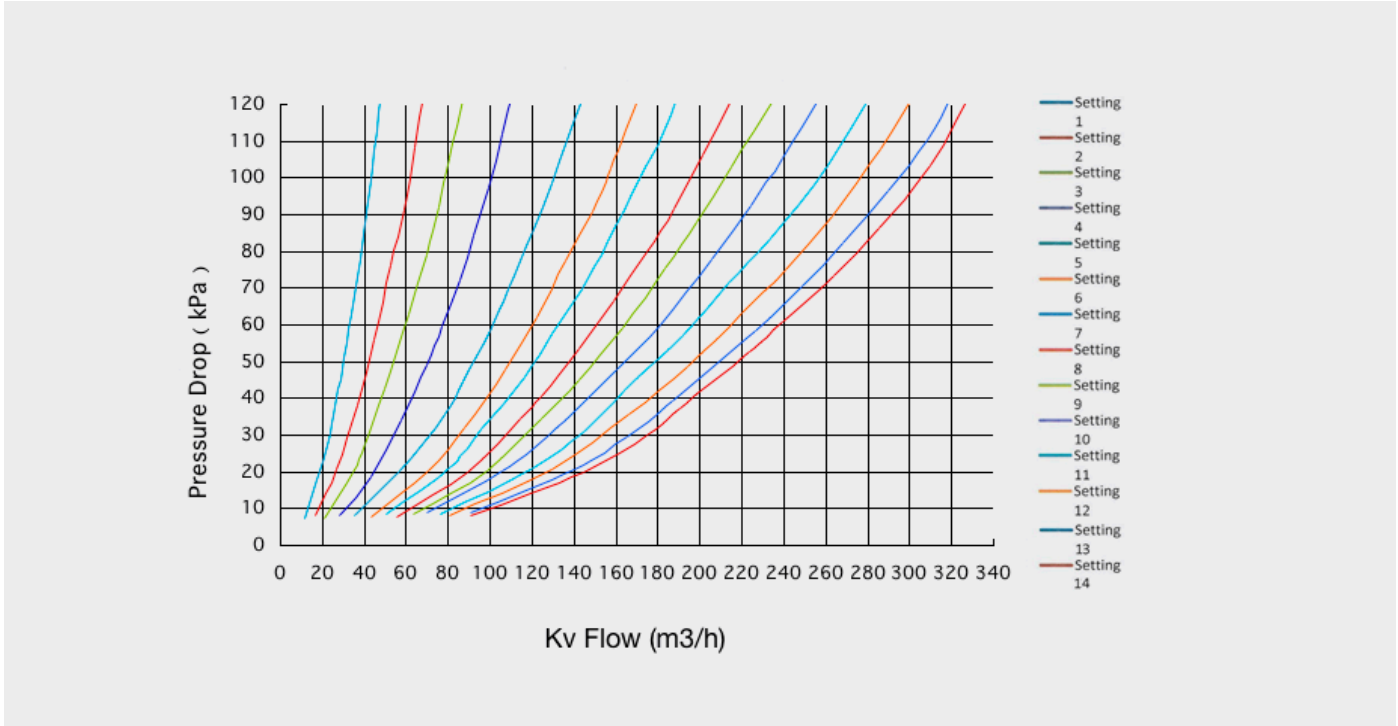


Commissioning products - Flow charts

DN100 V952 - Variable Orifice Double Regulating Valve

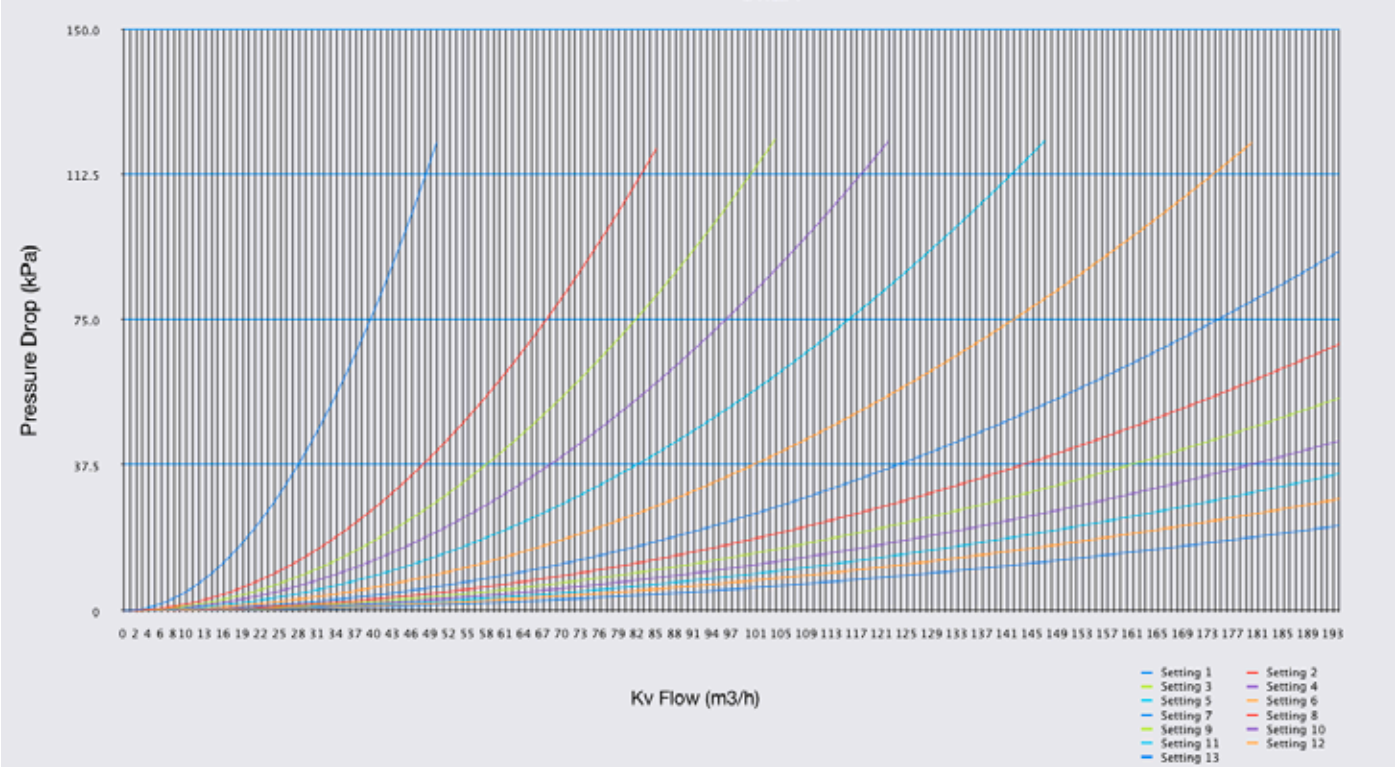


DN125 V952 - Variable Orifice Double Regulating Valve

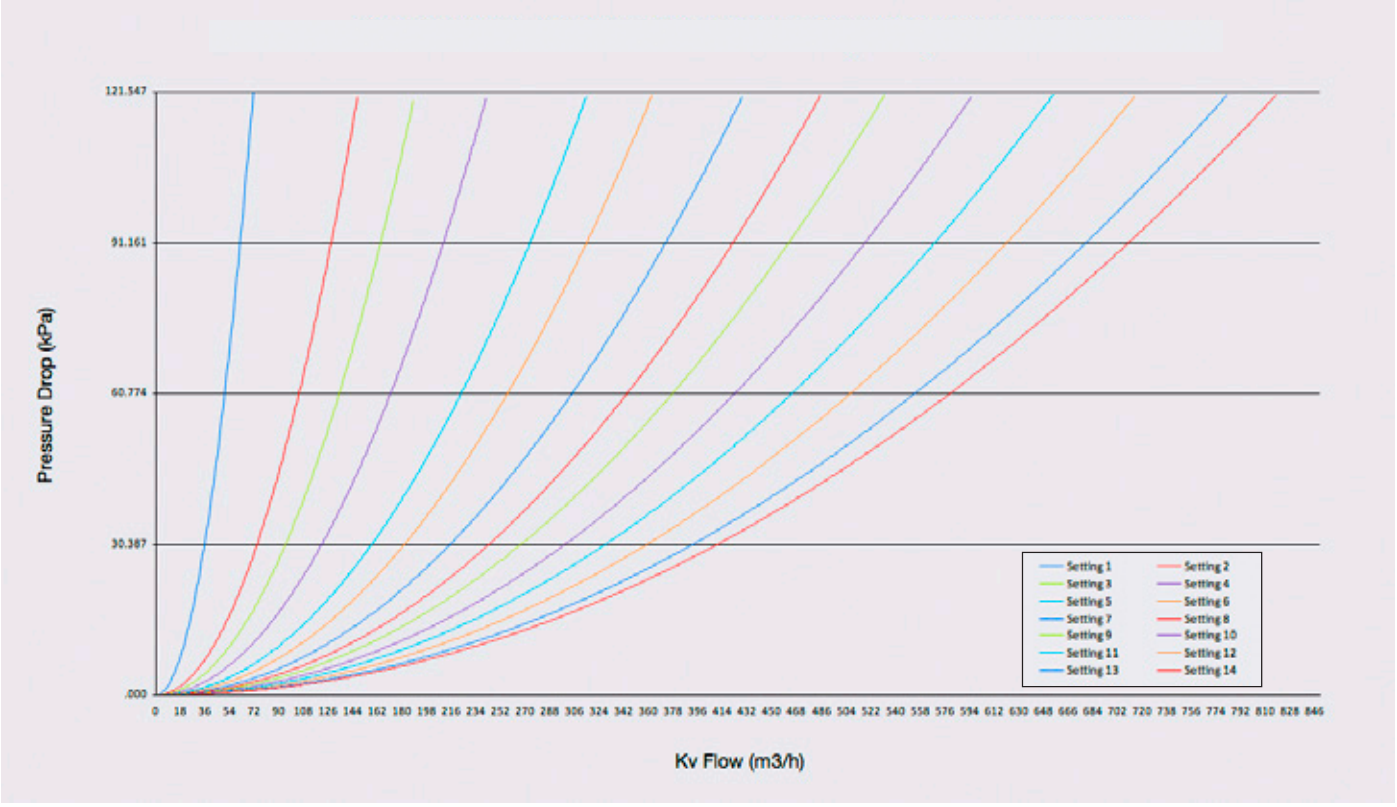


Commissioning products - Flow charts

DN150 V952 - Variable Orifice Double Regulating Valve



DN200 V952 - Variable Orifice Double Regulating Valve



Notes

Notes

PEGLER
Valve technology

Pegler

Our fully integrated piping system incorporates a unique offering bringing together valves, fittings and pipes into one complete pipe-work system. It combines the best world-class elements of modern connection and valve technology, incorporating press, push, groove, compression, capillary and threaded solutions for copper, steel, multi-layer and plastic pipes, with an emphasis on delivering heat free jointing.

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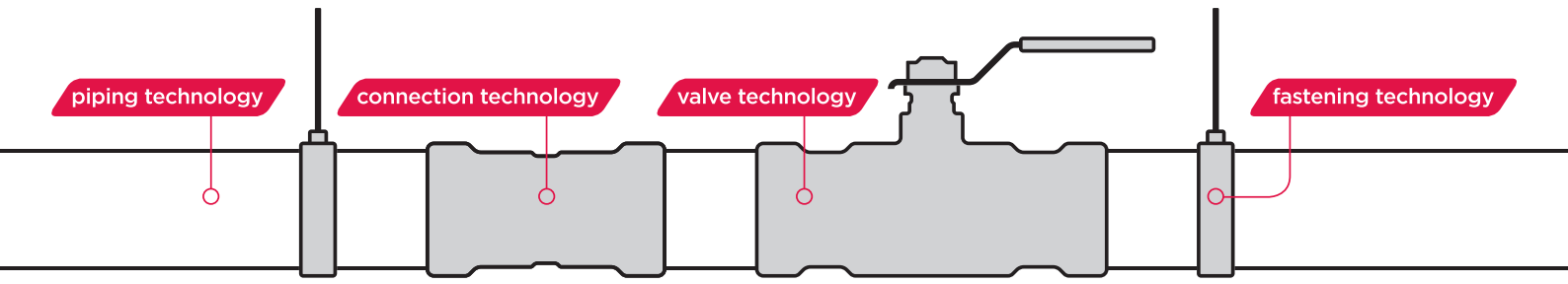
Lit. Ref: 880185



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aalberts