



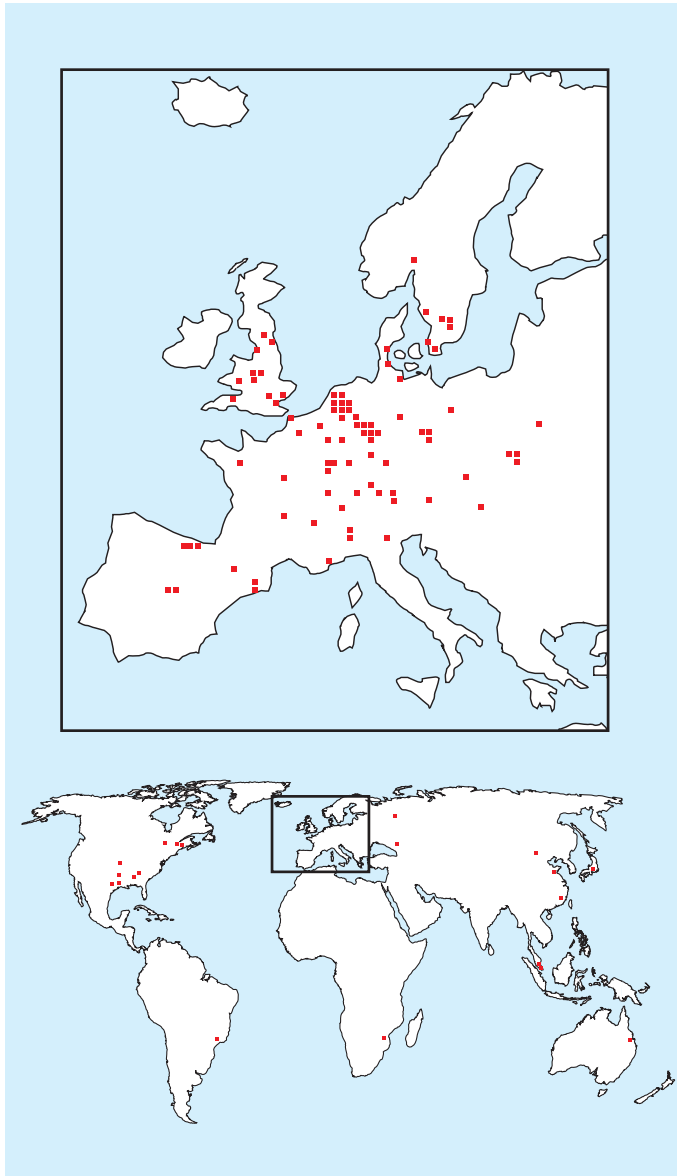
A total solutions provider for HVAC valves



Pegler Yorkshire

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

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



Aalberts Industries has manufacturing centres on every continent.



Pegler Yorkshire manufacturing centres in the UK.



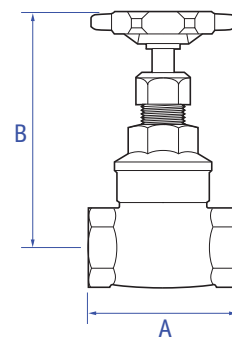
Pegler Yorkshire employs the latest manufacturing techniques at its factories.



1070/125 Bronze full way gate valve

BS 5154 PN20 series B, BS 21 taper thread.

SIZES									
EN 10226 taper thread									
Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Order code	103007	103008	103009	103010	103011	103012	103013	103014	103015
DIMENSIONS (mm)									
A	52	56	65	73	76	90	102	114	134
B	85	95	110	125	145	170	205	240	290
Weight kg	0.32	0.46	0.69	1.03	1.40	2.28	3.68	5.42	10.59
FLOW RATES m ³ /h									
Kv	14.00	32.00	57.00	90.00	129.00	230.00	428.00	680.00	1088.00
VALVE SUITABILITY									
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen		
X	✓	✓	X	X	X	X	X	X	X
MATERIAL SPECIFICATION									
COMPONENT	MATERIAL								
Body	Gunmetal								
Bonnet	Forged brass (1/4" to 3") Gravity die cast brass (4")								
Stem	Brass bar								
Wedge	Brass								
Stem ring	Brass bar								
Gland	Brass bar								
Gland nut	Brass bar (1/4" to 1") Forged brass (1 1/4" to 4")								
Handwheel	Aluminium								
Handwheel nut	Brass bar								
Gland packing	PTFE								
Rating disc	Aluminium								



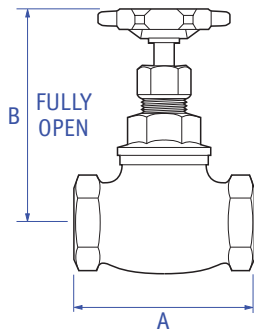
PRESSURE AND TEMPERATURE RATINGS				
Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp up to 100°C	Temp up to 180°C	Shell	Seat
1/2" to 4"	20bar	9bar	30	22
Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp 212°F	Temp 356°F	Shell	Seat
1/2" to 2"	290.1psi	130.5psi	435.1	319.1

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

Also available as ISO228 (BS2779) parallel thread.

1029 Threaded bronze globe valve

BS 5154 PN32 series B/NM, non metallic renewable disk, BS 21 taper thread.



PRESSURE AND TEMPERATURE RATINGS

Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp up to 100°C	Temp up to 198°C	Shell	Seat
1/2" to 2"	32bar	14bar	48	35.2

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp up to 86°F	Temp up to 248°F	Shell	Seat
1/2" to 2"	464.1psi	203.1psi	696.1	510.5

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

SIZES

EN 10226 taper thread

Range	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Order code	110005	110006	110007	110008	110009	110010	110011	110012

DIMENSIONS (mm)

A	48	46	57	65	78	89	100	121
B	76	76	95	98	114	138	159	170
Weight kg	0.20	0.22	0.38	0.54	0.84	1.36	1.76	2.62

FLOW RATES m³/h

Cv*	0.80	1.30	2.30	5.90	11.70	18.70	26.90	49.10
Kv**	0.70	1.10	2.00	5.00	10.00	16.00	23.00	42.00
Kv Gas***	0.50	0.50	1.30	2.90	4.40	8.90	11.70	21.30

VALVE SUITABILITY

Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
✓	✓	✓	✓	✓	✓	✓	✗

Special test required for air or gases

†The valves are suitable for British Gas Applications Family Gases 1, 2 and 3.

††Suitable in applications where moisture is completely absent.

*Cv - flow rate in US GPM at a pressure drop of 1psi.

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

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

MATERIAL SPECIFICATION

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

Also available as ISO 228 (BS2779) parallel thread and ANSI (NPT) American taper thread.

1060A Threaded bronze swing type check valve

BS 5154 PN25 series B, metal disk, BS 21 taper thread.

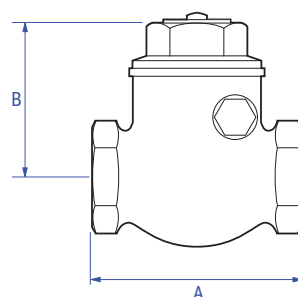
SIZES									
EN 10226 taper thread									
Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Order code	122007	122008	122009	122010	122011	122012	122013	122014	122015

DIMENSIONS (mm)									
A	62	76	83	94	105	125	148	175	222
B	45	55	60	65	75	90	110	125	130
Weight kg	0.38	0.58	0.86	1.26	1.66	2.66	4.80	6.79	13.07

FLOW RATES m3/h									
l/s	Kv								
0.01	-	-	7.70	-	-	-	-	-	-
0.04	1.80	2.70	-	-	-	-	-	-	-
0.10	3.70	5.50	-	-	-	-	-	-	-
0.20	5.10	-	13.90	15.00	-	-	-	-	-
0.30	-	-	18.40	20.60	-	-	-	-	-
0.40	5.70	13.60	-	25.30	30.30	-	-	-	-
0.60	-	-	-	-	40.20	42.00	-	-	-
0.80	-	-	-	-	48.50	54.00	-	-	-
1.00	-	15.30	25.30	32.60	-	-	-	-	-
1.50	-	-	-	-	-	86.20	97.60	-	-
2.00	-	-	-	-	-	-	-	144.60	-
3.00	-	-	-	-	54.40	-	135.30	168.40	-
4.00	-	-	-	-	-	98.00	156.00	-	-
5.00	-	-	-	-	-	-	-	229.00	-

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

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	Gunmetal
Cap	Forged brass (1/4" to 2") Gunmetal (2 1/2" to 4")
Valve	Gunmetal
Swinger	Brass bar (1/4" to 1") Gunmetal (1 1/4" to 4")
Swinger pin	Brass bar
Swinger pin cap	Brass bar (2 1/2" to 4")
Nut	Brass bar
Rating disc	Tinned iron sheet



PRESSURE AND TEMPERATURE RATINGS

Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp up to 100°C	Temp up to 186°C	Shell	Seat
1/2" to 2"	25bar	10.5bar	37.5	27.5

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp up to 212°F	Temp up to 367°F	Shell	Seat
1/2" to 2"	362.6psi	152.3psi	543.9	398.9

Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp up to 110°C	Temp up to 140°C	Shell	Seat
2 1/2" to 4"	16bar	10bar	24	17.5

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp up to 230°F	Temp up to 284°F	Shell	Seat
2 1/2" to 4"	232.1psi	145psi	348.1	253.8

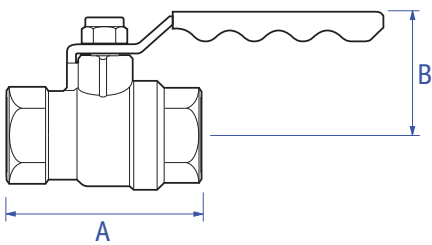
Temperature range -10°C - +186°C (non shock).

Also available as ISO 228 (BS2779) parallel thread and ANSI (NPT) American taper thread.

PB550DR Threaded full bore DZR lever ball valve

Blue lever handle, female ends, PN25, BS 21 taper thread.

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SIZES

Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Order code	245201	245202	245203	245204	245205	245206

DIMENSIONS (mm)

A	59	68	80	95	100	124
B	39	51	56	63	78	86
Weight kg	0.23	0.41	0.61	0.94	1.33	2.21

FLOW RATES m³/h

Kv	17.00	41.00	70.00	121.00	200.00	292.00
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VALVE SUITABILITY

Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
✓	✓	✓	✓	✗	✗	✗	✗

PRESSURE AND TEMPERATURE RATINGS

Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp up to 100°C	Temp up to 150°C	Shell	Seat
1/2" to 2"	25bar	16.5bar	37.5	27.5

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp 362.6°F	Temp 302°F	Shell	Seat
1/2" to 2"	293.3psi	293.3psi	543.9	398.9

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

MATERIAL SPECIFICATION

COMPONENT	MATERIAL
Body	DZR brass
Ball	Brass, chrome plated
Stem	DZR brass
Stem 'O' ring	Viton
Seat rings	PTFE (Teflon)
Lever handle	Steel
Lever nut self locking	Zinc plated steel
Tee handle security screw	Nickel plated brass
Lockshield dust cap	Plastic (PB550DR LS)
Lockshield	Brass
Lockshield security screw	Brass
Sleeve	Brass (EL)
Ext Stem	Brass (EL)
Fixing screw	Steel (EL)
Washer	Brass (EL)

Also available with extended lever handle, T handle, or lockshield.

1250 DZR Fixed orifice commissioning station

ISO 228 parallel thread, with flow measurement function.

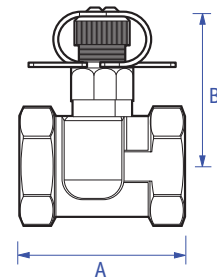
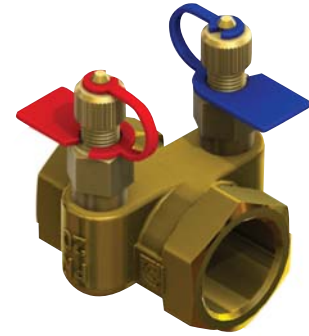
SIZES							
Range	1/2" low flow	1/2" standard flow	3/4" standard flow	1" standard flow	1 1/4" standard flow	1 1/2" standard flow	2" standard flow
Order code	126090	126091	126092	126093	126094	126095	126096

DIMENSIONS (mm)							
A	48	48	51	63	67	71	75
B	40	40	42	46	52	52	57
Weight kg	0.22	0.22	0.25	0.39	0.54	0.59	0.92

FLOW RATES m3/h							
Kvs	0.41	2.15	4.78	8.11	15.41	22.23	48.21

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	GDCBr. BS EN 1982, CC 752S
Test point	DZR brass
Seals	EPDM
Orifice plate	EBB. BS EN 12164, CW 617N



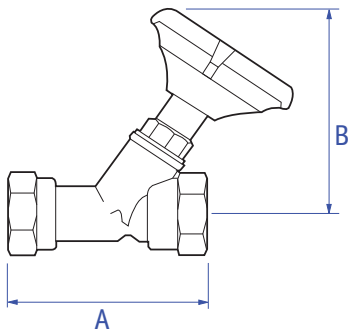
Size 1/2" to 2"	Max. working pressure (bar)		Test pressure (bar)	
	Temp 100°C	Temp 120°C	Shell	Seat
	20bar	16bar	30	22

Size 1/2" to 2"	Max. working pressure (psi)		Test pressure (psi)	
	Temp 212°F	Temp 275°F	Shell	Seat
	290.1psi	232.1psi	435.1	319.1

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

1200 DZR Threaded double regulating valve (DRV)

ISO 228 parallel thread, with regulation and isolation functions



PRESSURE AND TEMPERATURE RATINGS

Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp 100°C	Temp 120°C	Shell	Seat
1/2" to 2"	20bar	16bar	30	22

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp 212°F	Temp 275°F	Shell	Seat
1/2" to 2"	290.1psi	232.1psi	435.1	319.1

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

SIZES

Range	1/2" standard flow	3/4" standard flow	1" standard flow	1 1/4" standard flow	1 1/2" standard flow	2" standard flow
Order code	126002	126003	126004	126005	126006	126007

DIMENSIONS (mm)

A	79	86	103	121	127	157
B	106	106	113	120	123	138
Weight kg	0.49	0.55	0.86	1.24	1.62	2.90

FLOW RATES m3/h

Kv	2.30	2.48	7.15	15.08	20.84	28.89
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VALVE SUITABILITY

Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

MATERIAL SPECIFICATION

COMPONENT	MATERIAL
Body	GDCBr. BS EN 1982, CC 752S
Bonnet	EBB. BS EN 12164, CW 617N
Spindle	EBB. BS EN 12164, CW 617N
Disc	EBB. BS EN 12164, CW 617N
Gland	Packing Piece EBB, BS EN 12164, CW 617N
'O' rings	EPTO
Circlip	Carbon spring steel
Adjustment screw	EBB. BS EN 12164, CW 617N
Seals	EPTO
Handle	30% Glass filled nylon 66
Set screw	Brass

1260 DZR Threaded fixed orifice commissioning valve (FODRV)

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

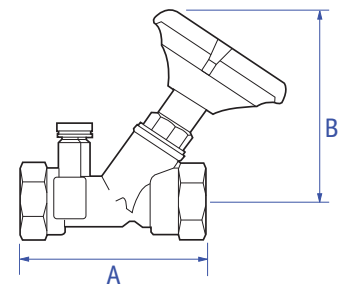
SIZES							
Range	1/2" low flow	1/2" standard flow	3/4" standard flow	1" standard flow	1 1/4" standard flow	1 1/2" standard flow	2" standard flow
Order code	126022	126023	126024	126025	126026	126027	126028

DIMENSIONS (mm)							
A	79	79	86	103	121	127	157
B	106	106	106	113	120	123	138
Weight kg	0.54	0.53	0.59	0.90	1.29	1.68	2.97

FLOW RATES m3/h							
Kv	0.40	1.86	2.27	6.11	12.65	19.00	28.42
Kvs	0.41	2.15	4.78	8.11	15.41	22.23	48.21

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	GDCBr. BS EN 1982, CC 752S
Bonnet	EBB. BS EN 12164, CW 617N
Spindle	EBB. BS EN 12164, CW 617N
Disc	EBB. BS EN 12164, CW 617N
Gland	Packing Piece EBB. BS EN 12164, CW 617N
'O' rings	EPTO
Orifice plate	EBB. BS EN 12164, CW 617N
Circlip	Carbon spring steel
Adjustment screw	EBB. BS EN 12164, CW 617N
Test points	DZR brass
Seals	EPTO
Handle	30% Glass filled nylon 66
Set screw	Brass



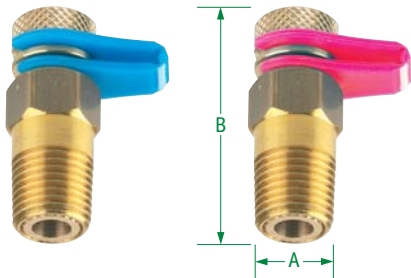
PRESSURE AND TEMPERATURE RATINGS

Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp 100°C	Temp 120°C	Shell	Seat
1/2" to 2"	20bar	16bar	30	22

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp 212°F	Temp 275°F	Shell	Seat
1/2" to 2"	290.1psi	232.1psi	435.1	319.1

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

Pegler test points



DZR Red and blue self seal test points Male taper connection

SIZE		
Range	1/4" x 36mm	1/4" x 75mm
Order code	126041	126042

DIMENSIONS (mm)		
A	14	14
B	36	75
Weight kg	0.03	0.06

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	DZR brass

Prestex 775 Brass automatic air vent

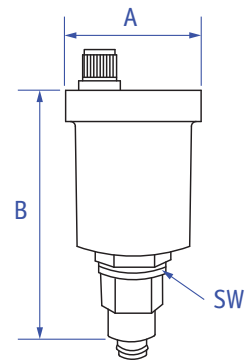
10bar at 120°C

SIZE	
Range	1/2"
Order code	538009

DIMENSIONS (mm)	
A	47
B	106
SW	26
Weight kg	0.12

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

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



PRESSURE AND TEMPERATURE RATINGS

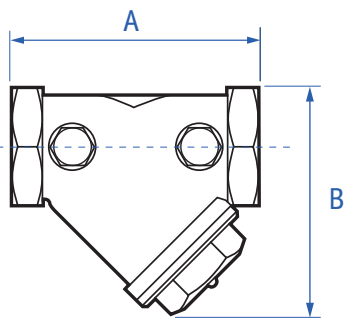
Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp up to 30°C	Temp up to 120°C	Shell	Seat
1/2"	16bar	5bar	24	17.6

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp up to 77°F	Temp up to 200°F	Shell	Seat
1/2"	232.1psi	72.5psi	348.1	253.8

V954 Bronze threaded strainer

Female x female, EN 10226 Taper thread, PN32

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SIZES						
Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Order code	15490	15491	15492	15493	15494	15495

DIMENSIONS (mm)						
A	70	80	100	120	130	160
B	58	75	88	108	124	161
Weight kg	0.36	0.54	0.85	1.34	1.67	3.13

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	Gunmetal
Cap	Gunmetal
Screen	Stainless steel
Screw tapping caps	Brass
Plugs	DZR brass
Gasket	Asbestos free

PRESSURE AND TEMPERATURE RATINGS

Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp up to 100°C	Temp up to 198°C	Shell	Seat
1/2" to 2"	32bar	14bar	48	35.2

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp 212°F	Temp up to 389°F	Shell	Seat
1/2" to 2"	464.1psi	203.1psi	696.2	510.5

V913 Bronze threaded strainer, Y pattern

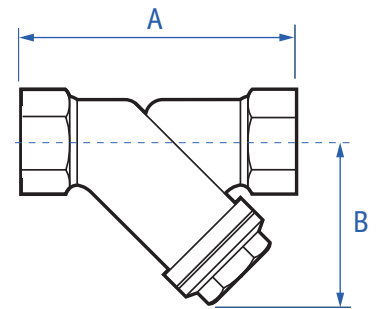
Female x female, EN 10226 Taper thread, PN16 Series B

SIZES						
Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Order code	15348	15349	15350	15351	15352	15353

DIMENSIONS (mm)						
A	58	69	82	98	109	131
B	44	47	58	68	78	98
Weight kg	0.23	0.32	0.45	0.74	0.92	1.06

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible [†]	Gas Corrosive ^{††}	Gas Oxygen
X	✓	X	X	X	X	X	X

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	Gunmetal
Cap	Gunmetal
Screen	Stainless steel
Gasket	Asbestos free (non stick)



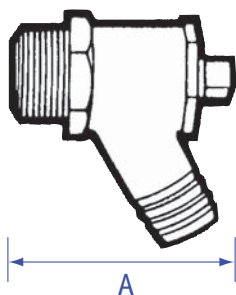
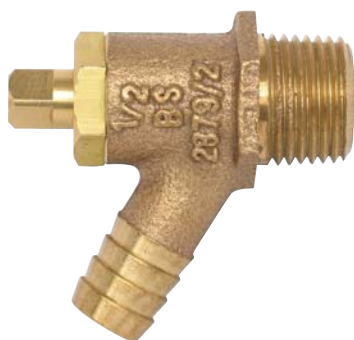
PRESSURE AND TEMPERATURE RATINGS

Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp up to 100°C	Temp up to 186°C	Shell	Seat
1/2" to 2"	25bar	10.5bar	37.5	27.5

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp 212°F	Temp up to 389°F	Shell	Seat
1/2" to 2"	362.6psi	152.3psi	543.9	398.9

Prestex 833GM Gunmetal draincock

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



SIZES			
Range	1/2"	3/4"	1"
Order code	542027	542028	542029

DIMENSIONS (mm)			
A	55	73	79
Weight kg	0.13	0.26	0.60

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	✓	X	X	X	X	X

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	Gunmetal
Headwork	Brass
Spindle	Brass
Washer	EPDM
Spindle 'O' ring	EPDM
Cap 'O' ring	EPDM

PRESSURE AND TEMPERATURE RATINGS

Size 1/2" to 1"	Max. working pressure (bar)		Test pressure (bar)	
	Temp max 120°C	Temp up to 120°C	Shell	Seat
	20bar	20bar	30	22

Size 1/2" to 1"	Max. working pressure (psi)		Test pressure (psi)	
	Temp max 212°F	Temp max 212°F	Shell	Seat
	290.1psi	290.1psi	435.1	319.1

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

Prestex 833GMLS Gunmetal lockshield draincock

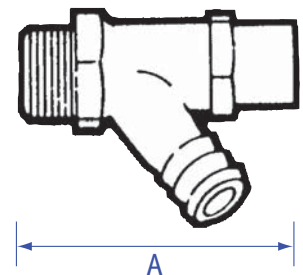
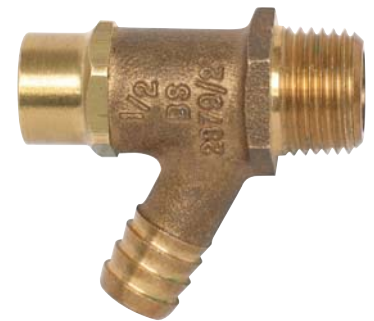
Type A to BS 2879/2. Male taper thread to BS 21

SIZES			
Range	1/2"	3/4"	1"
Order code	542037	542038	542039

DIMENSIONS (mm)			
A	59	75	83
Weight kg	0.13	0.26	0.60

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	✓	X	X	X	X	X

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	Gunmetal
Headwork	Brass
Spindle	Brass
Washer	EPDM
Spindle 'O' ring	EPDM
Cap 'O' ring	EPDM
LS cover	Brass



PRESSURE AND TEMPERATURE RATINGS

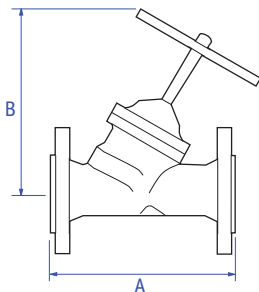
Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp max 120°C	Temp up to 120°C	Shell	Seat
1/2" to 1"	20bar	20bar	30	22

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp max 212°F	Temp max 212°F	Shell	Seat
1/2" to 1"	290.1psi	290.1psi	435.1	319.1

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

V952 Cast iron double regulating valve PN16

With regulating and isolating functions



MATERIAL SPECIFICATION

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

PRESSURE AND TEMPERATURE RATINGS

Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp 150°C	Temp 105°C	Shell	Seat
DN50 to DN200	16bar	16bar	24	17.6

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp 212°F	Temp 212°F	Shell	Seat
DN50 to DN200	232.1psi	232.1psi	348	255.3

Temperature range -10°C - +120°C.

SIZES

Range	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Order code	15530	15531	15532	15533	15534	15535	15536

DIMENSIONS (mm)

A	230	290	310	350	400	480	600
B	260	293	305	323	353	388	453
Weight kg	12.80	17.70	23.60	30.00	45.00	56.00	105.00

FLOW RATES Kv values m³/h

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

VALVE SUITABILITY

Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

V952V VODRV Cast iron variable orifice double regulating valve PN16

With regulating, isolating and measurement functions

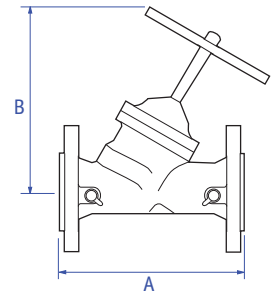
SIZES							
Range	DN50	DN65	DN80	DN100	DN125	DN150	DN200
Order code	15503	15504	15505	15506	15507	15508	15509

DIMENSIONS (mm)							
A	230	290	310	350	400	480	600
B	260	293	305	323	353	388	453
Weight kg	12.80	17.70	23.60	30.00	45.00	56.00	105.00

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

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

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X



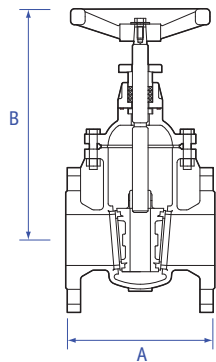
MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	Ductile iron
Bonnet	Ductile iron
Disc	Ductile iron, EPDM Coated
Disc nail	Brass
'O' ring	EPDM
Stem	Stainless steel
Gasket	Graphite
Handwheel	Carbon steel (50-100)
Handwheel	Ductile iron (125-200)
Test point	DZR Brass

PRESSURE AND TEMPERATURE RATINGS				
	Max. working pressure (bar)		Test pressure (bar)	
Size DN50 to DN200	Temp 150°C	Temp 105°C	Shell	Seat
	16bar	16bar	24	17.6
	Max. working pressure (psi)		Test pressure (psi)	
Size DN50 to DN200	Temp 212°F	Temp 212°F	Shell	Seat
	232.1psi	232.1psi	348	255.3

Temperature range -10°C - +120°C.

V950 Ductile iron gate valve PN16

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



PRESSURE AND TEMPERATURE RATINGS

Size DN65 to DN200	Max. working pressure (bar)		Test pressure (bar)	
	Temp 120°C	Temp 230°C	Shell	Seat
	16bar	11.8bar	24	17.6

Size DN65 to DN200	Max. working pressure (psi)		Test pressure (psi)	
	Temp 248°F	Temp 446°F	Shell	Seat
	232.1psi	171.1psi	348.1	253.8

Temperature range -10°C - +230°C.

SIZES

Range	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Order code	15510	15511	15512	15513	15514	15515	15516	15517	15518

DIMENSIONS (mm)

A	178	191	203	229	254	267	292	330	356
B	327	322	340	420	477	542	608	750	835
Weight kg	16.10	19.12	22.14	28.00	35.00	43.00	86.00	147.00	206.00

FLOW RATES m³/h

Kv	230.00	360.00	519.00	923.00	1443.00	2077.00	3693.00	5771.00	8310.00
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VALVE SUITABILITY

Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

MATERIAL SPECIFICATION

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

V953 Flanged metering station PN16

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

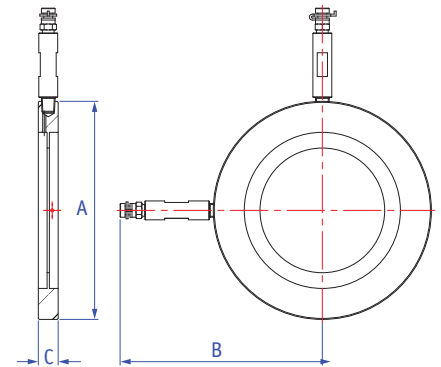
SIZES									
Range	DN50	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Order code	15540	15541	15542	15543	15544	15545	15546	15547	15548

DIMENSIONS (mm)									
A	109	129	144	164	194	220	275	358	386
B	148	158	166	176	191	204	232	273	287
C	20	20	20	20	20	20	20	20	20
Weight kg	1.40	1.90	2.20	2.40	3.10	3.40	86.00	6.08	7.60

FLOW RATES m3/h									
Kv	47.50	100.70	133.80	237.70	339.00	511.00	858.00	1235.00	1793.00

VALVE SUITABILITY								
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen	
X	✓	X	X	X	X	X	X	X

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	Stainless steel
Test Point	DZR brass
Extension	Stainless steel



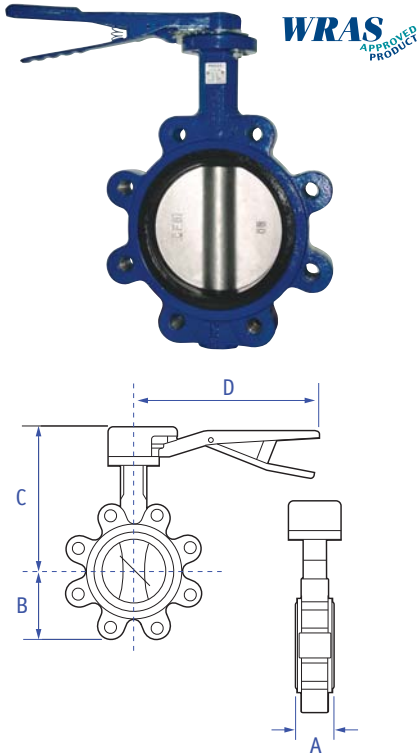
PRESSURE AND TEMPERATURE RATINGS

Size DN65 to DN300	Max. working pressure (bar)		Test pressure (bar)	
	Temp 120°C	Temp 120°C	Shell	Seat
	16bar	6bar	24	17.6

Size DN65 to DN300	Max. working pressure (psi)		Test pressure (psi)	
	Temp 248°F	Temp 248°F	Shell	Seat
	232.1psi	87.02psi	348.1	253.8

V905 Cast iron butterfly valve PN16

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



SIZES						
Range	DN65	DN80	DN100	DN125	DN150	DN200
Order code	15300	15301	15302	15303	15304	15305

DIMENSIONS (mm)						
A	46	46	52	56	56	60
B	70	89	106	120	132	164
C	181	187	211	226	239	293
D	200	200	290	290	290	450
Weight kg	5.80	6.00	10.30	13.50	14.60	21.40

FLOW RATES m ³ /h						
Kv	229.32	353.34	702.00	1195.74	1847.43	3669.12

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	Ductile iron
Shaft	Stainless steel
Disc	Stainless steel
Bushes up to 100mm	PTFE
Bushes up to 125mm	Gunmetal
'O' ring	EPDM
Liner	EPDM

PRESSURE AND TEMPERATURE RATINGS				
Size DN65 to DN300	Max. working pressure (bar)		Test pressure (bar)	
	Temp 120°C	Temp 120°C	Shell	Seat
	16bar	16bar	24	17.6

Size DN65 to DN300	Max. working pressure (psi)		Test pressure (psi)	
	Temp 248°F	Temp 248°F	Shell	Seat
	232.1psi	232.1psi	348.1	253.8

Temperature range -10°C - +120°C.

Geared available in DN250 and DN300.

V906 Cast iron butterfly valve PN16

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

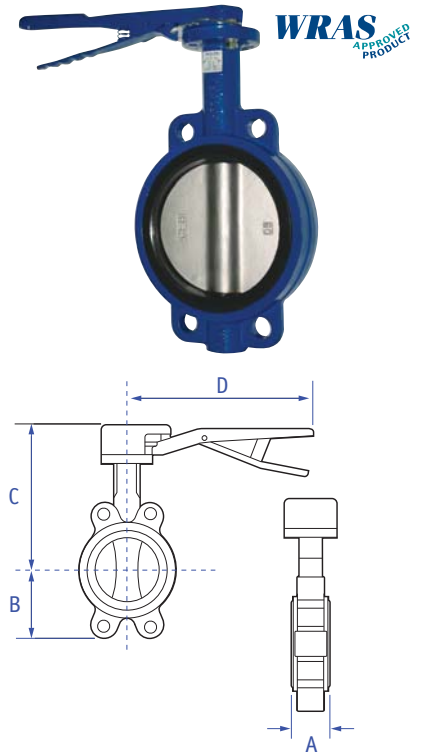
SIZES						
Range	DN65	DN80	DN100	DN125	DN150	DN200
Order code	15316	15317	15318	15319	15320	15321

DIMENSIONS (mm)						
A	46	46	52	56	56	60
B	70	89	106	120	132	164
C	181	187	211	226	239	293
D	200	200	290	290	290	450
Weight kg	4.40	5.00	6.10	8.00	9.60	15.10

FLOW RATES m ³ /h						
Kv	229.32	353.34	702.00	1195.74	1847.43	3669.12

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	Ductile iron
Shaft	Stainless steel
Disc	Stainless steel
Bushes up to 100mm	PTFE
Bushes up to 125mm	Gunmetal
'O' ring	EPDM
Liner	EPDM



PRESSURE AND TEMPERATURE RATINGS				
Size DN65 to DN300	Max. working pressure (bar)		Test pressure (bar)	
	Temp 120°C	Temp 120°C	Shell	Seat
	16bar	16bar	24	17.6

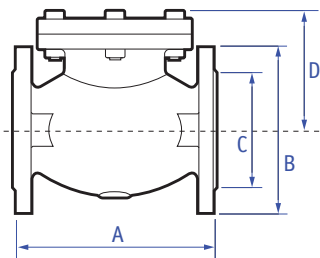
Size DN65 to DN300	Max. working pressure (psi)		Test pressure (psi)	
	Temp 248°F	Temp 248°F	Shell	Seat
	232.1psi	232.1psi	348.1	253.8

Temperature range -10°C - +120°C.

Geared available in DN250 and DN300.

V914 Cast iron swing check valve PN16

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



MATERIAL SPECIFICATION

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

PRESSURE AND TEMPERATURE RATINGS

Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp 120°C	Temp 230°C	Shell	Seat
DN65 to DN300	16bar	11.8bar	24	17.6

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp 248°F	Temp 246°F	Shell	Seat
DN65 to DN300	232.1psi	171.1psi	348.1	253.8

Temperature range -10°C - +120°C.

SIZES

Range	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Order code	15378	15379	15380	15381	15382	15383	15384	15385

DIMENSIONS (mm)

	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
A	215.9	241.3	292.1	330.2	355.6	495.3	662.3	698.5
B	185	200	220	250	285	340	405	460
C	122	138	158	188	212	268	320	378
D	132.5	141.5	163.0	197.0	212.0	257.0	298.5	330.5
Weight kg	17.30	24.50	37.50	40.95	51.72	120.00	218.00	281.00

FLOW RATES

Size	Flow l/s	Kv m ³ /h
DN65	1.50	63.00
	5.00	150.00
	8.00	161.00
DN80	2.00	75.00
	6.00	202.00
	12.00	328.00
	20.00	428.00
DN100	4.00	168.00
	10.00	353.00
	15.00	447.00
	20.00	516.00
DN125	5.00	173.00
	10.00	361.00
	20.00	602.00
	30.00	689.00
DN150	7.00	298.00
	20.00	735.00
	40.00	1231.00
DN200	15.00	520.00
	40.00	1210.00
	90.00	1835.00
DN250	Fully open	2725.00
DN300	Fully open	3850.00

VALVE SUITABILITY

Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

V909 Cast iron wafer pattern check valve PN16

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

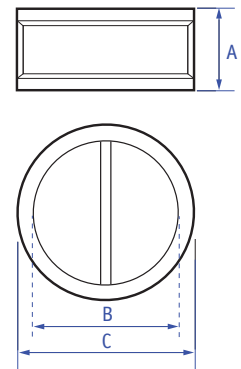
BS EN 12334:2001 and face to face dimensions comply to BS EN 558-1

SIZES								
Range	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Order code	15398	15399	15400	15401	15402	15403	15404	15405

DIMENSIONS (mm)								
A	54	57	64	70	76	95	108	143
B	78	90	115	141	170	210	273	324
C	126	141	161	191	217	272	327	382
Weight kg	2.39	3.20	4.80	7.60	10.00	14.00	23.56	36.00

FLOW RATES		
Size	Flow l/s	Kv m ³ /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

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X



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

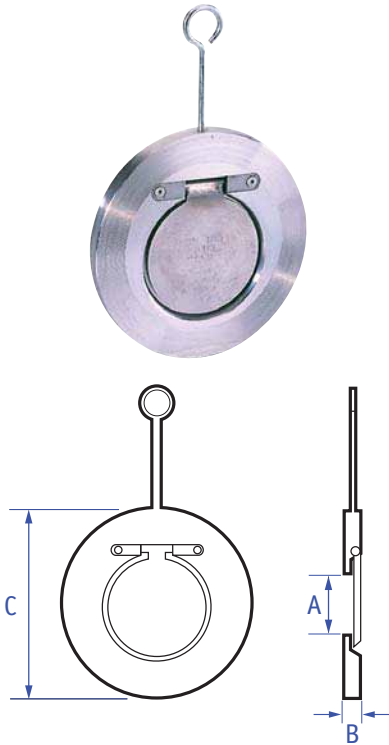
PRESSURE AND TEMPERATURE RATINGS				
Size	Max. working pressure (bar)		Test pressure (bar)	
	Temp 120°C	Temp 120°C	Shell	Seat
DN65 to DN300	16bar	16bar	24	17.6

Size	Max. working pressure (psi)		Test pressure (psi)	
	Temp 248°F	Temp 248°F	Shell	Seat
DN65 to DN300	232.1psi	232.1psi	348.1	253.8

Temperature range -10°C - +120°C.

V911 Single plate wafer pattern stainless steel check valve PN16

Fits between flanges BS 4505 PN16



SIZES				
Range	DN80	DN100	DN125	DN150
Order code	15418	15419	15420	15421

DIMENSIONS (mm)				
A	54	71	95	114
B	16	16	16	19
C	144	162	194	220
Weight kg	1.70	2.00	3.00	4.55

FLOW RATES		
Size	Flow l/s	Kv m ³ /h
DN80	1.50	89.00
	2.50	104.00
	3.00	106.00
	4.00	108.00
DN100	1.50	111.00
	2.50	149.00
	5.00	202.00
	10.00	212.00
DN125	4.00	227.00
	6.00	297.00
	20.00	412.00
	35.00	446.00
DN150	6.00	359.00
	12.00	370.00
	20.00	374.00
	40.00	388.00

MATERIAL SPECIFICATION	
COMPONENT	MATERIAL
Body	Stainless steel
Plate	Stainless steel
Seal	EPDM
Lifting eye	Stainless steel

PRESSURE AND TEMPERATURE RATINGS				
Size DN80 to DN150	Max. working pressure (bar)		Test pressure (bar)	
	Temp 120°C	Temp 120°C	Shell	Seat
	16bar	16bar	24	17.6

Size DN80 to DN150	Max. working pressure (psi)		Test pressure (psi)	
	Temp 248°F	Temp 248°F	Shell	Seat
	232.1psi	232.1psi	348.1	253.8

Temperature range -10°C - +120°C.

VALVE SUITABILITY							
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
X	✓	X	X	X	X	X	X

V912 Cast iron Y type strainer PN16

PN16, -10°C to 120°C 13bar at 220°C.

Raised flanges in accordance with BS EN 1092-2:1997 PN16

SIZES								
Range	DN65	DN80	DN100	DN125	DN150	DN200	DN250	DN300
Order code	15361	15362	15363	15364	15365	15366	15367	15368

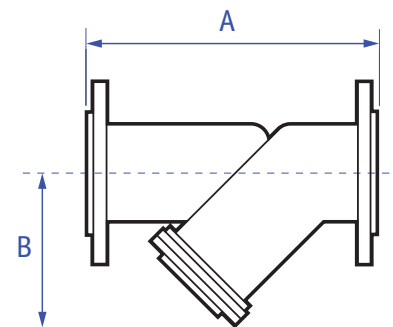
DIMENSIONS (mm)								
A	290	310	350	400	480	600	730	850
B	134	165	215	265	295	360	465	560
Weight kg	14.50	17.50	31.25	43.00	62.50	107.00	196.67	253.00

FLOW RATES*								
Kv	93	136	229	363	499	817	1361	1928

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

VALVE SUITABILITY								
Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen	
X	✓	X	X	X	X	X	X	X

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



PRESSURE AND TEMPERATURE RATINGS

Size DN65 to DN300	Max. working pressure (bar)		Test pressure (bar)	
	Temp 120°C	Temp 220°C	Shell	Seat
	16bar	13bar	24	17.6

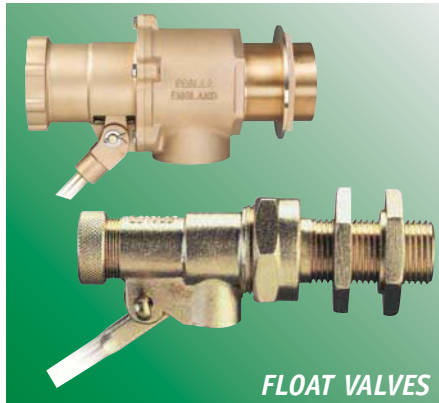
Size DN65 to DN300	Max. working pressure (psi)		Test pressure (psi)	
	Temp 248°F	Temp 248°F	Shell	Seat
	232.1psi	188.5psi	348.1	253.8

Temperature range -10°C - +120°C.

Other products from Pegler Yorkshire



**PB500 SERIES
QUARTER TURN BALL VALVES**



FLOAT VALVES



**PERFORMA
ELECTRONIC TAPS**



XPRESS PRESS-FIT SOLUTIONS



GATE VALVES



ENDEX END FEED SOLUTIONS



**PB700 SERIES
QUARTER TURN BALL VALVES**



**YORKSHIRE INTEGRAL
SOLDER RING SOLUTIONS**



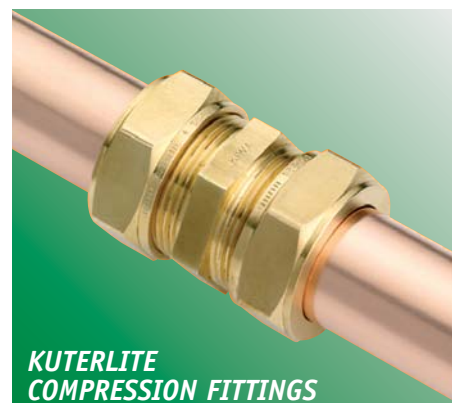
SEQUEL TAPS



**TERRIER BELMONT
HEATING CONTROLS**



BIBTAPS



**KUTERLITE
COMPRESSION FITTINGS**

Pressure Equipment Directive

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

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

CE Marking and the Atex Directive 94/9/EC

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

- i) the presence of air/dust mixtures external to the valve.
- ii) the presence of gases, vapours, mists released from the valve through leakage.

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

Valve selection

Selection, storage and protection

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

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

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

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

Pressure and temperature rating

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

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

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

Location/end-of-line service

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

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

Pre-installation

Health & Safety

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

1. Protective clothing and safety equipment must be utilised as appropriate to the hazard presented by the nature of the process to which the valve is being installed or maintained.
2. Before installing or removing a valve the pipeline circulating pumps (when fitted) must be turned off. The pipeline must be depressurised, drained and vented. Valves must be fully opened to ensure release of any pipeline or valve pressure.
3. Fitters must be trained in manual and mechanical handling to enable them to safely lift and install Pegler valves.
4. The valve selected must be suitable for the required service conditions. The pressure and temperature limitations are indicated on the valve nameplate, body or data plate. These must not be exceeded.
5. Valve seats, seals and internal components can be damaged by system debris. Protective devices may need to be fitted and system flushing may be required.
6. Any flushing fluid used to clean the pipeline must not cause any damage to the valve and its components.
7. Pegler valves must not be misused by lifting them by their hand wheels, levers or stems.
8. Pegler valves are not suitable for fatigue loading, cree conditions, fire testing, fire hazard environment, corrosive or erosive service, or for carrying fluids containing abrasive solids. There is no allowance for corrosion in the design of these valves. Designs for this valve do not allow for decomposition of unstable fluids and must not be used where this could occur.
9. Pegler valves are not designed to withstand the effects of fire, wind, earthquakes and traffic.
10. All Health and Safety Rules must be followed when installing and maintaining valves.

For PED categorisation refer to Pegler catalogue, Lit. Ref. 880137.01.10



Pegler Yorkshire

Our brands:

terrier

HEATING SOLUTIONS

YORKSHIRE

SOLDER RING SOLUTIONS

Tectite

PUSH-FIT SOLUTIONS

XPress

PRESS-FIT SOLUTIONS

ENDEX

END FEED SOLUTIONS

KUTERLITE

COMPRESSION SOLUTIONS

PRESTEX

DOMESTIC VALVE SOLUTIONS

PEGLER

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