



# Pegler

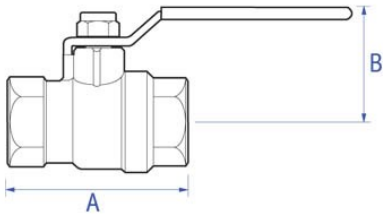
Chromium plated brass full bore ball valve (Red Lever Handle) PN25 to 2", PN16 2 1/2", 3" and 4"

PB100 Ball valve



Size	Pattern No.	Pack 1 Qty	Pack 2 Qty	Code	Barcode	Price (£) ex VAT
1/2"	PB100	10	0	270001	5013866038877	£10.92
3/4"	PB100	10	0	270002	5013866038884	£15.05
1"	PB100	5	0	270003	5013866038891	£20.96
1.1/4"	PB100	5	0	270004	5013866038907	£34.66
1.1/2"	PB100	2	0	270005	5013866038914	£48.71
2"	PB100	2	0	270006	5013866038921	£73.17
2.1/2"	PB100 (PN16)	1	0	270007	5013866078743	£170.20
3"	PB100 (PN16)	1	0	270008	5013866078750	£262.31
4"	PB100 (PN16)	1	0	270009	5013866078767	£442.26
1/2"	PB100 PT	10	0	270021	5013866038938	£10.92
3/4"	PB100 PT	10	0	270022	5013866038945	£15.05
1"	PB100 PT	5	0	270023	5013866038952	£20.96
1.1/4"	PB100 PT	5	0	270024	5013866038969	£34.66
1.1/2"	PB100 PT	2	0	270025	5013866038976	£48.71
2"	PB100 PT	2	0	270026	5013866038983	£73.17
2.1/2"	PB100 PT	1	0	270027	5022050397638	£170.20
3"	PB100 PT	1	0	270028	5022050397676	£262.31
4"	PB100 PT	1	0	270029	5022050397690	£442.26
1/2"	PB100 AT	10	0	270041	5022050235145	£10.92
3/4"	PB100 AT	10	0	270042	5022050235183	£15.05
1"	PB100 AT	5	0	270043	5022050235220	£20.96
1.1/4"	PB100 AT	5	0	270044	5022050235268	£34.66
1.1/2"	PB100 AT	2	0	270045	5022050235305	£48.71
2"	PB100 AT	2	0	270046	5022050235343	£73.17
2.1/2"	PB100 AT (PN16)	1	0	270047	5022050234056	£170.20
3"	PB100 AT (PN16)	1	0	270048	5022050234131	£262.31
4"	PB100 AT (PN16)	1	0	270049	5022050234179	£442.26

PB100 Ball valve



Code	Description	A	B	Kg
270001	1/2" PB100 BRASS BALL VALVE FXF	50	46	0.18
270002	3/4" PB100 BRASS BALL VALVE FXF	58	50	0.25
270003	1" PB100 BRASS BALL VALVE FXF	69	52	0.38
270004	1.1/4" PB100 BRASS BALL VALVE FXF	81	70	0.628
270005	1.1/2" PB100 BRASS BALL VALVE FXF	89	76	0.84
270006	2" PB100 BRASS BALL VALVE FXF	110	83	1.45
270007	2.1/2" PB100 (PN16)	136	109	3.00
270008	3" PB100 (PN16)	163	119	4.50
270009	4" PB100 (PN16)	192	155	7.50
270021	1/2" PB100PT BRASS BALL VALVE FXF	50	46	0.18
270022	3/4" PB100PT BRASS BALL VALVE FXF	58	50	0.25
270023	1" PB100PT BRASS BALL VALVE FXF	69	52	0.38
270024	1.1/4" PB100PT BRASS BALL VALVE FXF	81	70	0.628
270025	1.1/2" PB100PT BRASS BALL VALVE FXF	89	76	0.84
270026	2" PB100PT BRASS BALL VALVE FXF	110	83	1.45
270027	2.1/2" PB100 PT	136	109	3.00
270028	3" PB100 PT	163	119	4.50
270029	4" PB100 PT	192	155	7.50

Code	Description	A	B	Kg
270041	1/2" PB100AT BRASS BALL VALVE FXF	50	46	0.18
270042	3/4" PB100AT BRASS BALL VALVE FXF	58	50	0.25
270043	1" PB100AT BRASS BALL VALVE FXF	69	52	0.38
270044	1.1/4" PB100AT BRASS BALL VALVE FXF	81	70	0.62
270045	1.1/2" PB100AT BRASS BALL VALVE FXF	89	76	0.84
270046	2" PB100AT BRASS BALL VALVE FXF	110	83	1.45
270047	2.1/2" PB100 AT (PN16)	136	109	3.00
270048	3" PB100 AT (PN16)	163	119	4.50
270049	4" PB100 AT (PN16)	192	155	7.50

*Pegler Yorkshire reserve the right to change specifications*

Size	Pattern No.	Code	Kv m3/h	Cv - US GPM
1/2"	PB100	270001	17.00	-
3/4"	PB100	270002	41.00	-
1"	PB100	270003	70.00	-
1.1/4"	PB100	270004	121.00	-
1.1/2"	PB100	270005	200.00	-
2"	PB100	270006	292.00	-
2.1/2"	PB100 (PN16)	270007	535.00	-
3"	PB100 (PN16)	270008	850.00	-
4"	PB100 (PN16)	270009	1360.00	-
1/2"	PB100 PT	270021	17.00	-
3/4"	PB100 PT	270022	41.00	-
1"	PB100 PT	270023	70.00	-
1.1/4"	PB100 PT	270024	121.00	-
1.1/2"	PB100 PT	270025	200.00	-
2"	PB100 PT	270026	292.00	-
2.1/2"	PB100 PT	270027		
3"	PB100 PT	270028		
4"	PB100 PT	270029		
1/2"	PB100 AT	270041	17.00	19.90
3/4"	PB100 AT	270042	41.00	48.00
1"	PB100 AT	270043	70.00	81.90
1.1/4"	PB100 AT	270044	121.00	141.60
1.1/2"	PB100 AT	270045	200.00	234.00
2"	PB100 AT	270046	292.00	341.60
2.1/2"	PB100 AT (PN16)	270047	535.00	626.00
3"	PB100 AT (PN16)	270048	850.00	994.50
4"	PB100 AT (PN16)	270049	1360.00	1591.20

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### Valves and Fittings

#### Pegler Yorkshire Customcare 5 Year Guarantee - Terms and Conditions

Products are subject to a 5 year guarantee that is between Pegler Yorkshire and the final purchaser of the product.

The guarantee is subject to proof of purchase being supplied.

This guarantee does not affect any statutory rights the consumer may have in law.

The guarantee covers manufacturing or material defects and does not cover parts subject to normal wear and tear.

This product range has been designed for the use of homeowners, domestic and commercial applications and therefore the guarantee is subject to the product being properly selected for their intended service conditions.

The guarantee is not applicable where the product is fitted contrary to the conditions in the fitting instructions.

This is reinforced where valves are covered by the European Pressure Equipment Directive (PED97/23/EC) where Installation, Operating and Maintenance Instructions are supplied with each product and/or carton.

Provided it is installed correctly and receives adequate preventative maintenance it should give years of trouble-free service.

Abusive behaviour and accidental damage to the product are not covered by this guarantee.

The extent of this liability is limited to the cost of the replacement of the defective item and not to fitting or consequential damages.

Description	Minimum Operating Pressure (bar)	Maximum Cold Working Pressure (bar)	Maximum Hot Working Pressure (bar)
PB100 Ball valve	No Minimum Operating Pressure	25.0 bar at temperatures up to 200C	4 bar at temperatures up to 120oC

#### Care

No regular aesthetic care is required for this product

#### Maintenance

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

For further help please contact your local engineer.

If your product is under warranty please contact the Service Support Team on: 0800 1560050

#### Regulations

##### THE PRESSURE EQUIPMENT DIRECTIVE 97/23/EC and 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.

Size	Pattern No.	Code	PED Categorisation
1/2"	PB100	270001	SEP
3/4"	PB100	270002	SEP
1"	PB100	270003	SEP
1.1/4"	PB100	270004	SEP
1.1/2"	PB100	270005	SEP
2"	PB100	270006	SEP
2.1/2"	PB100 (PN16)	270007	SEP
3"	PB100 (PN16)	270008	SEP
4"	PB100 (PN16)	270009	SEP
1/2"	PB100 PT	270021	-
3/4"	PB100 PT	270022	-
1"	PB100 PT	270023	-
1.1/4"	PB100 PT	270024	-
1.1/2"	PB100 PT	270025	-
2"	PB100 PT	270026	-
2.1/2"	PB100 PT	270027	-
3"	PB100 PT	270028	-
4"	PB100 PT	270029	-
1/2"	PB100 AT	270041	-
3/4"	PB100 AT	270042	-
1"	PB100 AT	270043	-
1.1/4"	PB100 AT	270044	-
1.1/2"	PB100 AT	270045	-

Size	Pattern No.	Code	PED Categorisation
2"	PB100 AT	270046	-
2.1/2"	PB100 AT (PN16)	270047	-
3"	PB100 AT (PN16)	270048	-
4"	PB100 AT (PN16)	270049	-

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Component	Material
Body	Brass
End Piece	Brass
Ball	Chrome Plated Brass
Stem	Brass
Seats	PTFE
Gland	PTFE
Gland Nut	Brass
Lever	Dip-Coated on CP Steel
Handle Nut	Steel
Lever handle	Dip-coated on CP steel

Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
no	yes	yes	yes	no	no	no	no

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### Gas application guide

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

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

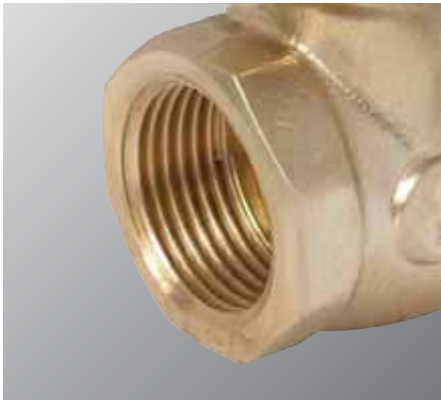
Class 3. CORROSIVE Chlorine, sulphur dioxide Class 4. OXYGEN

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

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

†† Suitable in applications where moisture is completely absent.

# Threaded connections



Ensure that threads are prepared correctly to provide a good and long lasting service.

Pipe compound should be applied to pipe ends only and not directly into the valve.

Valves should not be over tightened with a wrench.

Ensure the pipe is threaded to the correct type and length. If the pipe is threaded too short a leak may occur. If the pipe is threaded too long then damage may be made to the valve.

Ensure that good quality tools are used to provide an accurate joint and therefore avoiding the risk of leaking.

Thread tape may be used and applied to the external of the pipe thread after the threads have been cleaned.

## **Joining the valve and pipe.**

Fix the threaded pipe into a vice and then turn the valve on to the pipe.

A close fitting spanner should be applied to the valve hexagon/octagon flats being fixed. By tightening the valve onto the pipe in this way, the valve avoids being distorted with the consequential damage to internal parts.