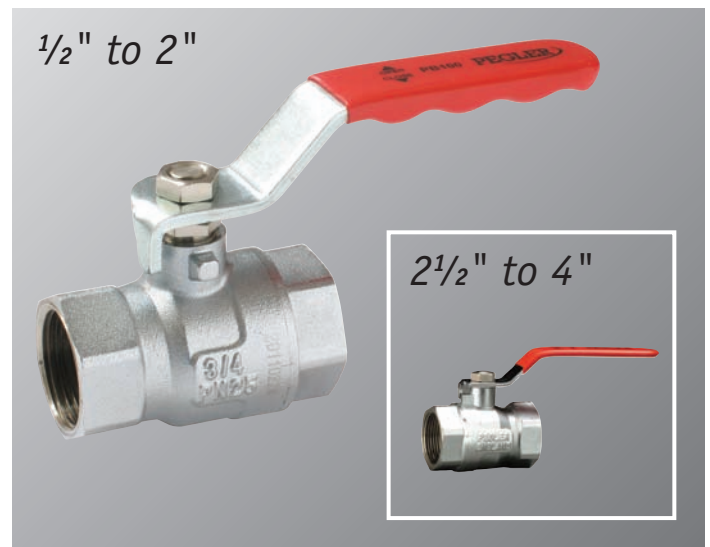


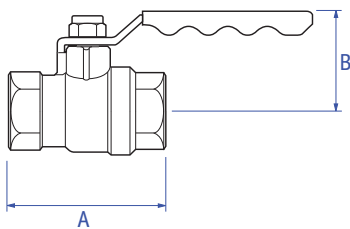
Commercial valve solutions Full bore ball valve with red lever handle – PB100*

Features

- Available in sizes 1/2" to 4"
- Brass body CW617N sizes 1/2" to 2"
- Full bore
- Grip handle sizes 1/2" to 2"
- Laser etched production date code sizes 1/2" to 2"
- PTFE ball seals
- PTFE gland packing sizes 1/2" to 2"
- Nitrile O-ring stem seal sizes 2 1/2" to 4"
- BS21 taper thread
- ISO228 (BS2779) parallel thread
- ANSI (NPT) American taper thread
- Chrome plated finish
- PN25 rated – sizes 1/2" to 2"
- PN16 – sizes 2 1/2" to 4"



Product details



PB100 Chrome plated brass full bore ball valve with red lever handle

Size	A	B	Weight Kg	Kv m3/h	Cv US GPM	Order code
BS21 Taper thread						
1/2"	52.30	50.00	0.201	17.00		270001
3/4"	59.50	56.70	0.282	41.00		270002
1"	70.60	59.52	0.441	70.00		270003
1 1/4"	81.41	69.77	0.628	121.00		270004
1 1/2"	88.50	72.00	0.820	200.00		270005
2"	110.60	83.00	1.350	292.00		270006
2 1/2"	136.00	109.00	3.000	535.00		270007
3"	163.00	119.00	4.500	850.00		270008
4"	192.00	155.00	7.500	1360.00		270009
ISO 228 (BS2779) parallel thread (PT)						
1/2"	52.30	50.00	0.201	17.00		270021
3/4"	59.50	56.70	0.282	41.00		270022
1"	70.60	59.52	0.441	70.00		270023
1 1/4"	81.41	69.77	0.628	121.00		270024
1 1/2"	88.50	72.00	0.820	200.00		270025
2"	110.60	83.00	1.350	292.00		270026
ANSI (NPT) American taper thread (AT)						
1/2"	52.30	50.00	0.201	17.00	19.90	270041
3/4"	59.50	56.70	0.282	41.00	48.00	270042
1"	70.60	59.52	0.441	70.00	81.90	270043
1 1/4"	81.41	69.77	0.628	121.00	141.60	270044
1 1/2"	88.50	72.00	0.820	200.00	234.00	270045
2"	110.60	83.00	1.350	292.00	341.60	270046
2 1/2"	136.00	109.00	3.000	535.00	626.00	270047
3"	163.00	119.00	4.500	850.00	994.50	270048
4"	192.00	155.00	7.500	1360.00	1591.20	270049

Temperature range: -10°C to 150°C

*PBSEK, LD and PDK are not suitable for fixing to this range

Commercial valve solutions Full bore ball valve with red lever handle – PB100*

Material specification

COMPONENT	PB100 1/2" to 2"	PB100 2 1/2" to 4"
Body	Brass – CW617N, Chrome plated	Forged Brass, Chrome plated
End piece	Brass – CW617N, Chrome plated	Forged Brass, Chrome plated
Ball	Brass, Chrome plated	Brass, Chrome plated
Stem	Brass, Chrome plated	Brass, Chrome plated
Gland nut	Brass, Chrome plated	
Gland packing	PTFE	
Seats	PTFE	PTFE
Lever handle	MH	Dip coated on CP Steel
Handle nut	Steel	Steel
Friction washer		PTFE
O-ring stem seal		Nitrile

Pressure Equipment Directive

Product	PED CATEGORISATION								
	Sizes								
	DN15 1/2"	DN20 3/4"	DN25 1"	DN32 1 1/4"	DN40 1 1/2"	DN50 2"	DN65 2 1/2"	DN80 3"	DN100 4"
PB100	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

Technical suitability

Product	VALVE SUITABILITY							
	Steam	Water	Oil	Air*	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
PB100	X	✓	✓	✓	X	X	X	X

* Air - maximum 10 bar

Pressure and temperature ratings

Product	Size	Max. working pressure (bar)				Max. working pressure (psi)				Test pressure			
		Temp	bar	Temp	bar	Temp	psi	Temp	psi	Shell	Seat	Shell	Seat
PB100	1/2" to 2"	up to 20°C	25	up to 120°C	4	up to 68°F	362.6	up to 248°F	58	37.5	27.5	543.9	398.9
PB100	2 1/2" to 4"	up to 20°C	16	up to 120°C	4	up to 68°F	232.1	up to 248°F	58	24	17.5	348.1	253.8

Pressure and temperature chart

