PB100 Ball valve

water | heating | oil | compressed air

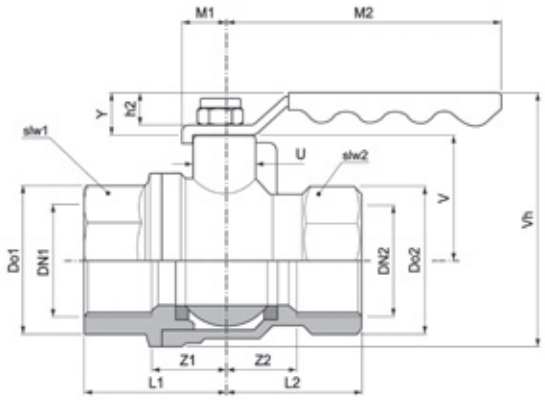


specification

- PN25 to ½" to 2"
- PN16 2 ½" to 4"
- full bore
- quarter turn operation
- red lever handle
- ½" to 4" sizes
- PTFE ball seals
- brass body
- PTFE gland
- taper thread BS EN 10226 (ISO7-1)
- ISO 228 BS 2771 parallel thread (PT)
- ANSI (NPT) American taper thread (AT)

DN	Connection	ISO7-1 Rc (taper)	ISO 288 G (PT)	ANSI (NPT) (AT)	Total (kg)	Cv (AT)	Kv (AT)
DN15	½"	270001	270021	270041	0.21	19.9	17.0
DN20	¾"	270002	270022	270042	0.27	48.0	41.0
DN25	1"	270003	270023	270043	0.43	81.9	70.0
DN32	1 ¼"	270004	270024	270044	0.63	141.6	121.0
DN40	1 ½"	270005	270025	270045	0.85	234.0	200.0
DN50	2"	270006	270026	270046	1.39	341.6	292.0
DN65	2 ½"	270007	270027	270047	3.16	626.0	535.0
DN80	3"	270008	270028	270048	4.26	994.5	850.0
DN100	4"	270009	270029	270049	6.03	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.



Dimensions (mm)

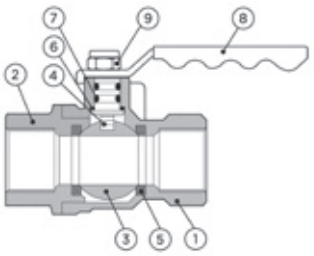
	Do1	Do2	DN1/DN2	h1	L1	L2	M1	M2	slw1/slw2	U	V	Vh	Y	Z1	Z2
½"	24.0	28.0	DN15	18.0	25.0	27.0	8.0	100.0	24.0	17.0	29.0	69.0	26.0	13.0	15.0
¾"	30.0	35.0	DN20	18.0	28.0	32.0	8.0	100.0	30.0	17.0	32.0	76.0	26.0	16.0	18.0
1"	37.0	42.0	DN25	19.0	31.0	40.0	10.0	109.0	37.0	210	38.0	84.0	26.0	16.0	22.0
1 ¼"	46.0	53.0	DN32	19.0	35.0	46.0	11.0	133.0	46.0	23.0	45.0	97.0	27.0	18.0	27.0
1 ½"	53.0	61.0	DN40	20.0	43.0	46.0	12.0	133.0	53.0	23.0	78.0	110.0	30.0	26.0	28.0
2"	65.0	75.0	DN50	20.0	54.0	56.0	12.0	150.0	65.0	25.0	62.0	128.0	27.0	32.0	33.0
2 ½"	83.0	96.0	DN65	21.0	72.0	69.0	16.0	242.0	83.0	32.0	78.0	170.0	44.0	44.0	41.0
3"	97.0	112.0	DN80	22.0	73.0	87.0	16.0	242.0	97.0	32.0	85.0	188.0	46.0	46.0	49.0
4"	123.0	142.0	DN100	24.0	91.0	96.0	16.0	252.0	123.0	32.0	98.0	209.0	42.0	58.0	53.0

Material specification

Nr	Component	Material
1	Body	Brass
2	End piece	Brass
3	Ball, chrome plated	Brass
4	Stem	Brass
5	Seats	PTFE
6	Gland	PTFE
7	Gland nut	Brass
8	Lever handle, dip-coated	CP steel
9	Handle nut	Steel

Maximum pressure conditions

Size	Max Pressure (bar)	Min/Max Temperature (°C)	Test Pressure Shell (bar)	Test Pressure Seat (bar)	Max Pressure (psi)	Min/Max Temperature (°F)	Test Pressure Shell (psi)	Test Pressure Seat (psi)
½" to 2"	25.0	- 10°C + 120°C	37.5	27.5	362.6	14°F + 348°F	543.9	398.9
2 ½" to 4"	16.0	- 10°C + 120°C	24.0	17.6	232.1	14°F + 348°F	348.1	255.3



Pressure equipment directive category

Compressed air applications ½" - 1" SEP
1 ¼" - 4" CAT1
All other applications ½" - 4" SEP

Pressure & temperature ratings

