steam water heating oil compressed air

PB500 Ball valve (2 x female thread)

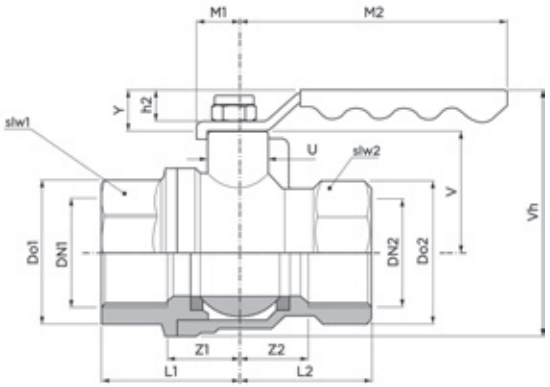


specification

- all sizes rated PN25
- full bore
- quarter turn operation
- blow-out and vandal-proof assembly
- red lever handle
- ¼" to 4" sizes
- chrome plated
- forged brass body
- PTFE ball seals seals
- FPM "O" ring stem seal
- ISO7-1 RC taper thread formally BS21/BSEN 10226
- ISO 228G parallel thread formally BS2779

DN	Connection	ISO7-1 Rc (taper) Code	ISO 288 G (PT) code	ANSI (NPT) (AT) Code	Weight (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.



Dimensions (mm)

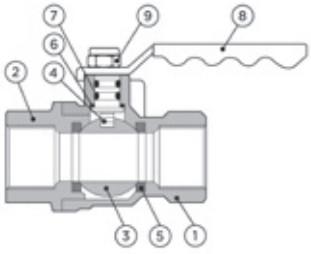
	Do1/Do2	DN1/DN2	h2	L1/L2	M1	M2	slw1/slw2	U	V	Vh	Y	Z1/Z2
DN8	26.0	¼"	18.0	24.0	9.0	83.0	22.0	9.0	16.0	52.0	21.0	14.0
DN10	29.0	⅜"	18.0	24.0	9.0	84.0	25.0	9.0	16.0	53.0	21.0	15.0
DN15	35.0	½"	18.0	30.0	10.0	94.0	31.0	10.0	20.0	61.0	21.0	18.0
DN20	42.0	¾"	18.0	34.0	10.0	103.0	36.0	11.0	31.0	76.0	21.0	20.0
DN25	49.0	1"	19.0	40.0	10.0	115.0	42.0	11.0	35.0	85.0	22.0	24.0
DN32	58.0	1 ¼"	19.0	48.0	11.0	130.0	50.0	12.0	42.0	97.0	22.0	29.0
DN40	69.0	1 ½"	20.0	50.0	11.0	135.0	60.0	13.0	57.0	119.0	23.0	30.0
DN50	83.0	2"	20.0	62.0	12.0	159.0	71.0	15.0	67.0	137.0	23.0	37.0
DN65	103.0	2 ½"	21.0	75.0	13.0	185.0	89.0	17.0	75.0	158.0	24.0	45.0
DN80	123.0	3"	22.0	89.0	14.0	212.0	107.0	19.0	99.0	195.0	25.0	53.0
DN100	150.0	4"	24.0	107.0	15.0	249.0	130.0	21.0	111.0	224.0	27.0	64.0

Material specification

Nr	Component	Material
1	Body, chrome plated	Forged brass (¼" to 2") Gravity die cast brass (2 ½" to 4")
2	Body cap, chrome plated	Forged brass (¼" to 2") Gravity die cast brass (2 ½" to 4")
3	Ball, chrome plated	Brass bar (¼" to ½") Forged brass (¾" to 2") Gravity die cast brass (2 ½" to 4")
4	Stem	Brass bar
5	Seats	PTFE
6	Thrust washer	PTFE
7	Stem "O" ring	FPM
8	Lever handle	High temperature PVC insulated zinc plated steel
9	Nut (self locking)	Zinc plated 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)
¼" to 4"	25.0	- 10°C + 150°C	37.5	27.5	362.6	14°F + 302°F	543.9	398.9



Pressure equipment directive category

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

Pressure & temperature ratings

