

Brass full bore quarter turn ball valve

Red T handle, female ends, PN25

SIZES

Parallel Thread

Range	1/4"	3/8"	1/2"	3/4"	1"
IS07-1Rp (PT)	243021	243022	243023	243024	243025

DIMENSIONS (mm)

PB500T

Range	1/4"	3/8"	1/2"	3/4"	1"
A	48	48.5	59	67.5	79.5
B	36.5	36.5	40	50.5	55
Weight kg	0.15	0.15	0.22	0.38	0.58

FLOW RATES (m³/h)

Range	1/4"	3/8"	1/2"	3/4"	1"
Kv	5.9	9.4	17.0	41.0	70.0

*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
✓	✓	✓	✓	✗	✗	✗	✗

Air maximum - 10 bar

PRESSURE EQUIPMENT DIRECTIVE CATEGORY

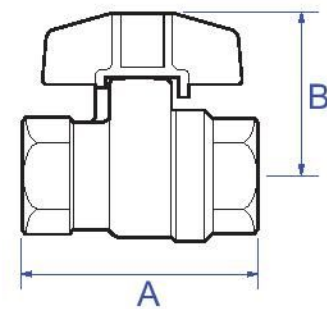
Sizes

1/4"	3/8"	1/2"	3/4"	1"
SEP	SEP	SEP	SEP	SEP

MAXIMUM PRESSURE CONDITIONS

Size	Maximum Pressure Conditions (bar)		Test Pressures (bar)	
	(Cold working) Temperatures up to 100°C	(Hot working) Temperatures up to 150°C	Shell	Seat
1/4" to 1"	25	16	37.5	27.5
Size	Maximum Pressure Conditions (psi)		Test Pressures (psi)	
	Temperatures up to 212°F	Temperatures up to 302°F	Shell	Seat
1/4" to 1"	362.6	293.3	543.9	398.9

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



MATERIAL SPECIFICATION

Component	Material
Body	Forged brass, Chrome plated
End Piece	Forged brass, Chrome plated
Ball	Forged Brass, Brass Bar, Chrome plated
Stem	Brass Bar
Seats	PTFE (Teflon)
Thrust Washer	PTFE (Teflon)
Stem 'O' Ring	Viton

PRESSURE & TEMPERATURE RATINGS

