

Brass full bore quarter turn ball valve

Yellow "T" handle PN40, female ends

SIZES

Taper

Range	1/4"	3/8"	1/2"	3/4"	1"
IS07-1Rc (Taper)	231001	231002	231003	231004	231005

DIMENSIONS (mm)

Range	1/4"	3/8"	1/2"	3/4"	1"
A Face to Face	48	48.5	59	67-5	79.5
B Centre Line to Lever	36.5	36.5	40	50.5	55
Weight kg	0.14	0.26	0.27	0.49	0.72

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 Gas	3.8	4.2	11.3	23.8	31.1

*Kv - flow rate in m3 per hour at a pressure drop of 1 bar.

*Kv Gas - flow rate in m3 per hour at a pressure drop of 1 mbar.

VALVE SUITABILITY

Steam	Water	Oil	Air	Gas Inert	Gas Combustible†	Gas Corrosive††	Gas Oxygen
✓	✓	✓	✓	✓	✓	✓	✗

† The valves are suitable for British Gas Applications Family Gases 1, 2 and 3 †† Suitable in applications where moisture is completely absent.

Gas Application Conditions: -20°C to +60°C maximum 5 bar. BritishGas (MOP 5). LPG: maximum 10 bar. Air: maximum 10 bar.

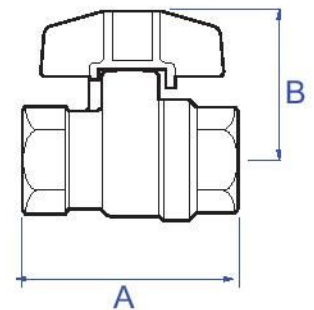
MATERIAL SPECIFICATION

Component	Material
Body	Forged brass, Chrome plated (1/4" to 1")
End piece	Forged brass, Chrome plated (1/4" to 1")
Ball	Brass Bar, Chrome plated (1/4" to 1/2") Forged Brass, Chrome plated (3/4" to 1")
Stem	Brass Bar
Seats	PTFE (Teflon)
Thrust Washer	PTFE (Teflon)
Stem 'O' Ring	Viton
Yellow Tee Handle	Aluminium, Painted
Security Screws	Nickel Plated Brass

MAXIMUM PRESSURE CONDITIONS

Size	Maximum Pressure Conditions (bar)		Test Pressures (bar)	
	Temperatures up to 110°C	Temperatures up to 186°C	Shell	Seat
1/4" to 1"	40.0	10.0	60	44
Size	Maximum Pressure Conditions (psi)		Test Pressures (psi)	
	Temperatures up to 212°F	Temperatures up to 389°F	Shell	Seat
1/4" to 1"	580.2	145	870.2	638.2

Temperature range - 10°C + 186°C (non shock)



PRESSURE EQUIPMENT DIRECTIVE CATEGORY

Sizes

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

Sizes 1/4" to 1" suitable for group 1 liquids and gases.

PRESSURE & TEMPERATURE RATINGS

