

Brass full bore quarter turn ball valve

Blue lever, female ends, PN40

SIZES

Taper / Parallel thread / American (NPT) Taper

Range	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
IS07-1Rc (Taper)	230001	230002	230003	230004	230005	230006	230007	230008	230009	230010	242011
ANSI (NPT) (Taper)	230061	230062	230063	230064	230065	230066	230067	230068	230069	230070	230071

DIMENSIONS (mm)

Range	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
A Face to Face	48	49	59	67.5	79.5	95	100	124.5	150	177	214
B Centre Line to Lever	35	35	39	50	55	62	77.5	88	97	122	136
Weight kg	0.16	0.16	0.24	0.44	0.64	1.01	1.42	2.38	4.14	6.71	10.98

FLOW RATES (m³/h)

Range	1/4"	3/8"	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"	2 1/2"	3"	4"
Cv	6.9	11.0	19.9	48.0	81.9	141.6	234.0	341.6	626.0	994.5	1591.2
Kv	5.9	9.4	17.0	41.0	70.0	121.0	200.0	292.0	535.0	850.0	1360.0
Kv Gas	3.8	4.2	11.3	23.8	31.1	67.2	101.5	148.0			

*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.

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.

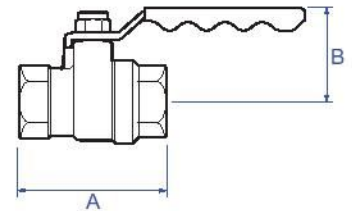
MATERIAL SPECIFICATION

Component	
Body	Forged brass, Chrome plated (1/4" to 2") Gravity die cast brass, Chrome plated (2 1/2" to 4")
End Piece	Forged brass (1/4" to 2") Gravity die cast brass (2 1/2" - 4") Gravity die cast brass, Chrome plated (2 1/2" to 4")
Ball	Brass bar, Chrome plate (1/4" to 1/2") Forged Brass, Chrome plated (3/4" to 2") Gravity die cast brass, Chrome plated (2 1/2" to 4")
Stem	Brass bar
Seats	PTFE (Teflon)
Thrust Washer	PTFE (Teflon)
Stem 'O' ring	Viton
Red Lever	High temperature PVC insulated zinc plate steel
Nut (Self locking)	Zinc plated steel

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 4"	40.0	10.0	60.0	44.0
Size	Maximum Pressure Conditions (psi)		Test Pressures (psi)	
	Temperatures up to 212°F	Temperatures up to 302°F	Shell	Seat
1/4" to 4"	580.2	145.0	870.2	638.2

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



Tested to EN331:1998+A1:2010
Construction Products Regulations
CE Marked 1/4" - 2"
Notified Body BS1 0086
Declaration of Performance on
Pegler Yorkshire website

PRESSURE EQUIPMENT DIRECTIVE CATEGORY

Sizes

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

Cat 1 carries the CE Mark.

Sizes 1/4" to 2" suitable for group 1 liquids and gases.

Sizes 2 1/2" 3" and 4" suitable for group 1 gases (10 bar max) and group 2 liquids.

PRESSURE & TEMPERATURE RATINGS

