

# Brass Full bore quarter turn ball valve

Blue lever, female ends, PN25

## 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)	242101	242102	242103	242104	242105	242106	242107	242108	242109	242110	242111
ANSI (NPT) (Taper)	242121	242122	242123	242124	242125	242126	242127	242128			

## 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	48.5	59	67.5	79.5	95	100	122	150	177	214
B Centre Line to Lever	35	35	39	50	55	62	77.5	84	97	122	136
Weight kg	0.15	0.15	0.23	0.4	0.61	0.95	1.33	2.18	3.75	6.20	10.45

## 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			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

\*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.



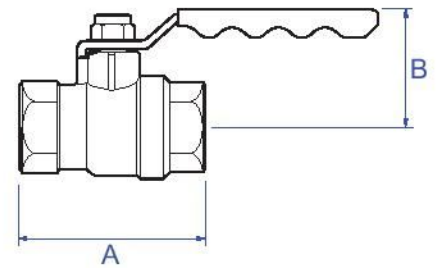
## VALVE SUITABILITY

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

† The valves are suitable for British gas application family groups 1, 2 and 3.

†† Suitable in applications where moisture is completely absent.

Gas application conditions -20°C to +60°C 5 bar (British Gas MOPS) 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" 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)	
	(Cold working) Temperatures up to 100°C	(Hot working) Temperatures up to 150°C	Shell	Seat
1/4" to 4"	25.0	16.5	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 4"	362.6	293.3	543.9	398.9

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

## 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	CAT1	CAT1	CAT1	CAT1	CAT1	CAT1

CAT 1 - carries the CE mark.

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

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

## PRESSURE & TEMPERATURE RATINGS

