

Forged brass swing check valve

Metal disk, female ends, PN25

SIZES

Taper			
Range	1/2"	3/4"	1"
IS07-1Rc (Taper)	124007	124008	124009

DIMENSIONS (mm)

Range	1/2"	3/4"	1"
A	58	72	83
B	34	40	51
Weight kg	0.27	0.48	0.72

FLOW RATES (m³/h)

Size	Flow l/s	Kv m3/h
1/2"	0.04	1.80
	0.10	3.70
	0.20	5.10
	0.40	5.70
3/4"	0.04	2.70
	0.10	5.50
	0.40	13.60
	1.00	15.30
1"	0.01	7.70
	0.20	13.90
	0.30	18.40
	1.00	25.30

VALVE SUITABILITY

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

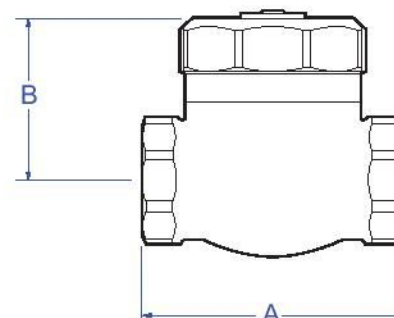
PRESSURE EQUIPMENT DIRECTIVE CATEGORY

Sizes		
1/2"	3/4"	1"
SEP	SEP	SEP

MAXIMUM PRESSURE CONDITIONS

Size	Maximum Pressure Conditions (bar)		Test Pressures (bar)	
	Temperatures up to 100°C	Temperatures up to 186°C	Shell	Seat
1/2" to 1"	25.0	10.5	37.5	27.5
Size	Maximum Pressure Conditions (psi)		Test Pressures (psi)	
	Temperatures up to 212°F	Temperatures up to 302°F	Shell	Seat
1/2" to 1"	362.6	152.3	543.9	398.9

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



MATERIAL SPECIFICATION

Component	Material
Body	Forged brass (1/2" to 3/4") Gravity Die Cast Brass (1")
Cap	Forged Brass
Swinger	Brass Bar
Swinger Pin	Brass Bar
Bush	Brass Bar
Valve	Brass Bar
Nut	Brass Bar
Rating Disc	Aluminium

PRESSURE & TEMPERATURE RATINGS

