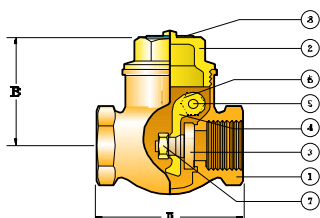


1060A BRONZE SWING CHECK VALVE RANGE

- BS5154 PN25 Series B.
- Horizontal or vertical fixing (upward flow only).
- Metal seat and swing type metal disk.
- Body arrow indicates direction of flow.
- BS21 Taper Thread.
- ANSI (NPT) American Taper Thread (AT).
- BS2779 Parallel Thread (PT).



MATERIAL SPECIFICATION

No	COMPONENT	MATERIAL
1	Body	Gunmetal
2	Cap	Forged Brass (3/4 to 2) Gunmetal (2 1/2 to 4)
3	Valve	Gunmetal
4	Swinger	Brass Bar (3/4 to 1) Gunmetal (1 1/4 to 4)
5	Swinger Pin	Brass Bar
6	Swinger Pin Cap (Sizes 2 1/2 to 4 only)	Brass Bar
7	Nut	Brass Bar
8	Rating Disc	Tinned Iron Sheet

Size	Maximum Pressure Conditions (bar)		Test Pressures (bar)	
	Temperatures up to 100°C	Temperatures up to 186°C	Shell	Seat
1/4 to 4	25.0	10.5	37.5	27.5

Size	Maximum Pressure Conditions (psi)		Test Pressures (psi)	
	Temperatures up to 212°F	Temperatures up to 367°F	Shell	Seat
1/4 to 4	362.6	152.3	543.9	398.9

RANGE	Sizes										
	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
1060A	○	○	○	○	○	○	○	○	○	○	○
1060AAT	○	○	○	○	○	○	○	○	○		
1060APT	○	○	○	○	○	○	○	○	○	○	○

DIMENSIONS (mm)

A Face to Face	57	57	62	76	83	94	105	125	148	175	222
B Height	40	40	45	55	60	65	75	90	110	125	130
WEIGHT kg	0.28	0.26	0.37	0.59	0.86	1.26	1.58	2.59	4.45	6.77	13.64

FLOW RATES*

	1/2				3/4				1			
	Flow (l/s)	Cv	Kv		Flow (l/s)	Cv	Kv		Flow (l/s)	Cv	Kv	
	0.04	2.1	1.8		0.04	3.1	2.7		0.04	8.8	7.7	
	0.10	4.3	3.7		0.10	6.3	5.5		0.10	16.0	13.9	
	0.20	5.9	5.1		0.20	8.8	7.7		0.20	21.1	18.4	
	0.40	6.5	5.7		0.40	15.6	13.6		0.40	29.1	25.3	
	1 1/4				1 1/2				2			
	Flow (l/s)	Cv	Kv		Flow (l/s)	Cv	Kv		Flow (l/s)	Cv	Kv	
	0.20	17.2	15.0		0.20	34.8	30.3		0.20	48.3	42.0	
	0.30	23.7	20.6		0.30	46.2	40.2		0.30	62.0	54.0	
	0.40	29.1	25.3		0.40	55.7	48.5		0.40	77.1	66.2	
	1.00	37.5	32.6		1.00	62.5	54.4		1.00	99.0	86.2	

* 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.

Note: Flow information on 1/4, 3/8, 2 1/2, 3 & 4 is not currently available.

MINIMUM OPERATING CONDITIONS

Sizes 1/2 to 1 require 0.5 bar (7.25 psi) minimum line pressure with a differential pressure of 1 to 1.5 psi to allow the valve to open and close.

Sizes 2 1/2 to 4 require 1 bar (14.5 psi) minimum line pressure with a differential pressure of 1.5 to 2 psi to allow the valve to open and close.

SUITABLE FOR

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

PRESSURE AND TEMPERATURE RATINGS

