

# Swing Check Valve

**cim80.1**

FIPT x FIPT



## Applications:

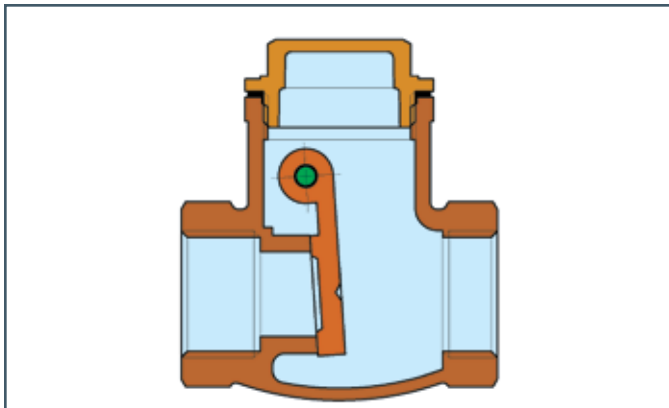
The CIM 80.1 swing check valve is manufactured in accordance with BS 5154/B-PN16 and EN ISO 9002 and is designed for either vertical or horizontal installation for use in residential and commercial plumbing, industrial applications, heating, sanitary systems, pneumatic systems, waterworks, autoclaves and pump systems.

## Features:

The CIM 80.1 swing check valve with screwed bonnet and metal to metal seating features a one piece hot forged brass EN 12165 - CW617N swing disc designed for a low pressure drop and reduced water-hammer. The CIM 80.1 is suitable for vertical or horizontal installation in a pipeline to accommodate flow in one direction.

## Threading:

NPT threads ANSI B1.20.1.



## Materials:

- **Body:** Cast Brass Cu60Zn40 EN 1982 - CC754S
- **Bonnet:** Hot Forged Brass ASTM C37700
- **Gasket:** NA 1030 Gr. (Asbestos Free) is Suitable to a Maximum Temperature of 356° F
- **Swing Disc:** Hot Forged Brass ASTM C37700

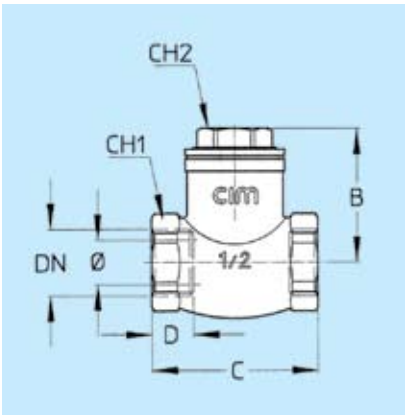
Size	Fast Order No.	Technical ID No.
1/2"	80-04	CIM80-A04SCV
3/4"	80-06	CIM80-A06SCV
1"	80-07	CIM80-A07SCV
1-1/4"	80-08	CIM80-A08SCV
1-1/2"	80-09	CIM80-A09SCV
2"	80-10	CIM80-A10SCV
2-1/2"	80-11	CIM80-A11SCV
3"	80-12	CIM80-A12SCV
4"	80-14	CIM80-A14SCV

All Cimberio valves qualify for the American Recovery and Reinvestment Act and the Buy American Act.

# Swing Check Valve

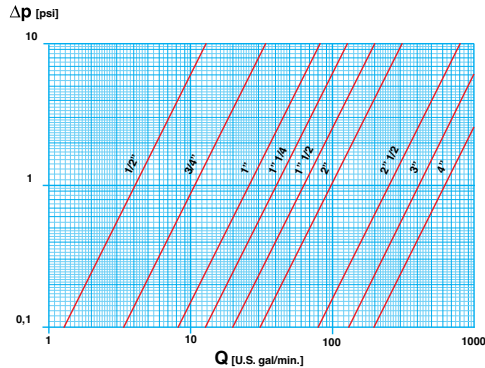
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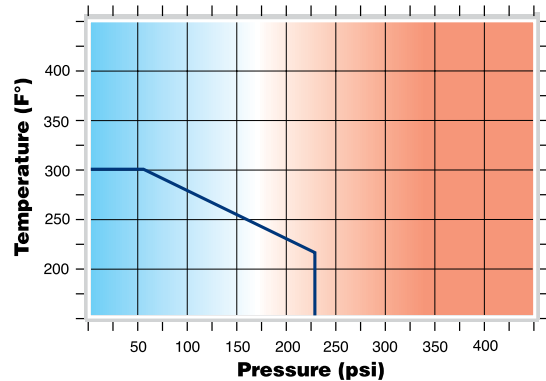


Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
B	1-5/8" 42mm	1-3/4" 45mm	2-1/16" 52mm	2-3/8" 60mm	2-7/16" 62mm	2-13/16" 72mm	3-3/8" 86mm	3-3/4" 94mm	4-9/16" 115mm
C	2-1/16" 52mm	2-7/16" 62mm	2-3/4" 70mm	3-5/16" 84mm	3-7/16" 88mm	4-3/16" 106mm	4-3/4" 120mm	5-7/16" 138mm	6-11/16" 170mm
D	7/16" 11mm	1/2" 13mm	9/16" 14mm	5/8" 16mm	13/16" 16mm	3/4" 18mm	13/16" 21mm	13/16" 21mm	15/16" 23mm
CH1	1-1/8" 28mm	1-3/8" 34mm	1-5/8" 41mm	1-15/16" 50mm	2-1/4" 57mm	2-3/4" 70mm	3-3/8" 85mm	3-15/16" 100mm	4-15/16" 126mm
CH2	13/16" 21mm	1" 26mm	1-1/4" 32mm	1-7/16" 37mm	1-5/8" 42mm	2-1/16" 52mm	2-9/16" 65mm	2-15/16" 75mm	3-1/2" 89mm
Pounds Grams	0.51 230	0.74 335	1.06 480	1.59 720	1.94 880	3.21 1455	4.59 2080	6.64 3010	12.24 5550

## FLOW AND PRESSURE DROP



## PRESSURE/TEMPERATURE RATINGS



## CV

**CV:** Capacity in "U.S. gal/min" at pressure drop of "1 PSI"

**Element:** Water - Temperature: 59.9° F

80.1 SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"
CV	3.8	10.1	24.4	37.1	59.4	91.1	235.3	381.4	572.3

**Working Pressure:** 232 PSI

**Max. Operating Temperature:** Working Limit for Fluids 14° F – 212° F

**Saturated Steam:** 54 PSI at 302° F

**Test Pressures:** According to ISO 5208