

Globe Valve

cim81L.1

FIPT x FIPT • Rising Stem • P.T.F.E. Seat



Applications:

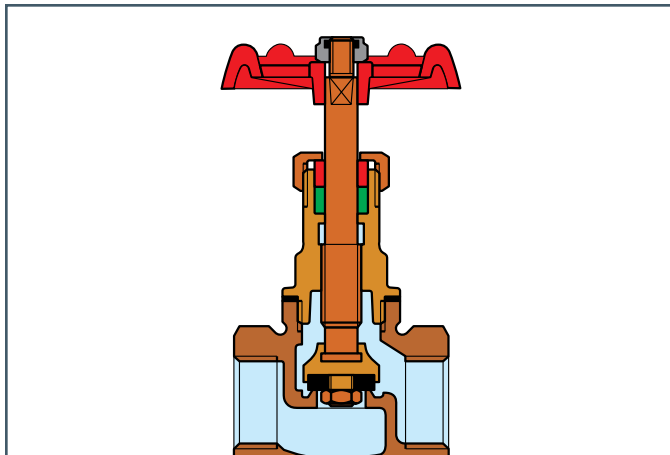
The CIM 81L.1 globe valve is manufactured in accordance with BS 5154/B and EN ISO 9001 and is designed for use in a wide range of applications where fine flow regulation is required, including residential and commercial plumbing, industrial applications, agricultural applications, heating plants, waterworks, steam, and sanitary systems as well as oil, gasoline and other hydrocarbon services.

Features:

The CIM 81L.1 globe valve features a screwed-in bonnet, rising stem, and a P.T.F.E. disc design with an adjustable opening capable of fine flow regulation.

Threading:

NPT Threads ANSI B1.20.1



Materials:

- Body:** Cast Bronze to BS 1400 - LG2 (Cu85Sn5Zn5Pb5)
- Bonnet:** Hot Forged Brass ASTM C37700
- Stem and Metal Components:** 36600 Bar Stock
- Disc:** P.T.F.E.
- Packing Gland:** AF 15/MA Heat Resistant Fiber, (Asbestos Free) Elastomers, Synthetic Resin and P.T.F.E., Maximum Temperature of 482° F
- Handwheel:** Hard Duraluminum Alloy Epoxy Painted Red RAL 3000, with "Open" and "Shut" Indication

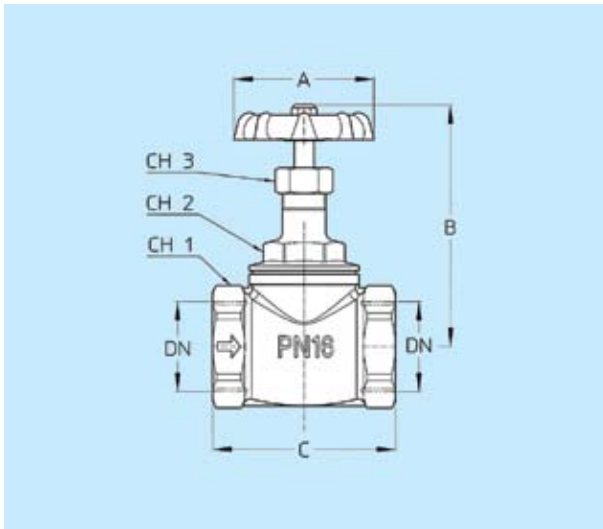
Size	Fast Order No.	Technical ID No.
1/2"	81L-04	CIM81L-A04WH
3/4"	81L-06	CIM81L-A06WH
1"	81L-07	CIM81L-A07WH
1-1/4"	81L-08	CIM81L-A08WH
1-1/2"	81L-09	CIM81L-A09WH
2"	81L-10	CIM81L-A10WH

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

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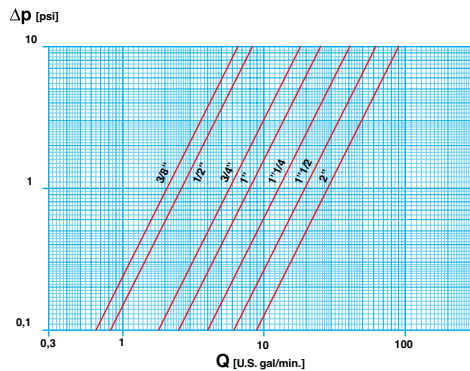
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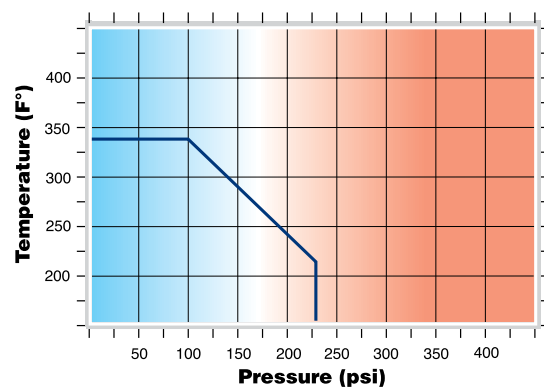


Size	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Port inch	0.55"	0.75"	0.98"	1.26"	1.46"	1.85"
Port mm	14mm	20mm	25mm	32mm	37mm	47mm
A	2-3/16"	2-3/8"	2-9/16"	2-9/16"	2-15/16"	3-1/8"
	55mm	60mm	65mm	65mm	75mm	80mm
B	3-1/4"	3-3/4"	4-1/8"	4-15/16"	5-15/16"	6-1/2"
	83mm	95mm	105mm	125mm	150mm	165mm
C	2"	2-7/16"	2-3/4"	3-3/8"	3-9/16"	4-5/16"
	50mm	61mm	70mm	85mm	90mm	110mm
CH1	1-1/8"	1-3/8"	1-5/8"	2"	2-5/16"	2-3/4"
	29mm	35mm	42mm	51mm	58mm	70mm
CH2	15/16"	15/16"	1-1/8"	1-5/16"	1-7/16"	1-3/4"
	23mm	23mm	28mm	33mm	37mm	45mm
CH3	3/4"	3/4"	13/16"	15/16"	1"	1-1/16"
	18mm	18mm	21mm	23mm	25mm	27mm
Pounds	0.65	0.91	1.41	2.09	2.7	4.1
Grams	285	415	640	950	1225	1860

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

81L.1 SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
Ø mm	14	20	25	33	37	47
Ø inch	0.55	0.79	0.98	1.3	1.46	1.85
CV	2.7	5.6	8.1	12.7	19.7	28.9

Working Pressure: 232 PSI

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

Saturated Steam: 102 PSI at 338° F

Test Pressures: According to ISO 5208