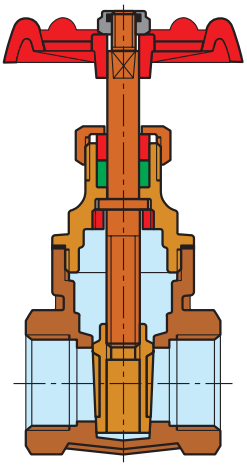
Full Port Gate Valve

FIPT x FIPT





Materials:

- **Body, Bonnet, Wedge:** Hot Forged Brass ASTM C37700
- **Stem and Metal Components:** 36600 Bar Stock
- **Packing:** NA 1030 Gr. (Asbestos Free) is Suitable to a Maximum Temperature of 356˚ F
- **Packing Gland:** AF 15/MA Heat Resistant Fiber, (Asbestos Free) Elastomers, Synthetic Resin and P.T.F.E. It is Suitable to a Maximum Temperature of 482˚ F
- **Handwheel:** Hard Duraluminum Alloy Epoxy Painted Red RAL 3000 Showing "On-Off"

Applications:

The CIM 70.1 Gate Valve is manufactured in accordance with BS 5154/B and EN ISO 9001 and is designed for use in a wide range of applications including residential and commercial plumbing, industrial applications, agricultural, heating plants, waterworks, steam, and sanitary systems as well as oil, gasoline and other hydrocarbon services.

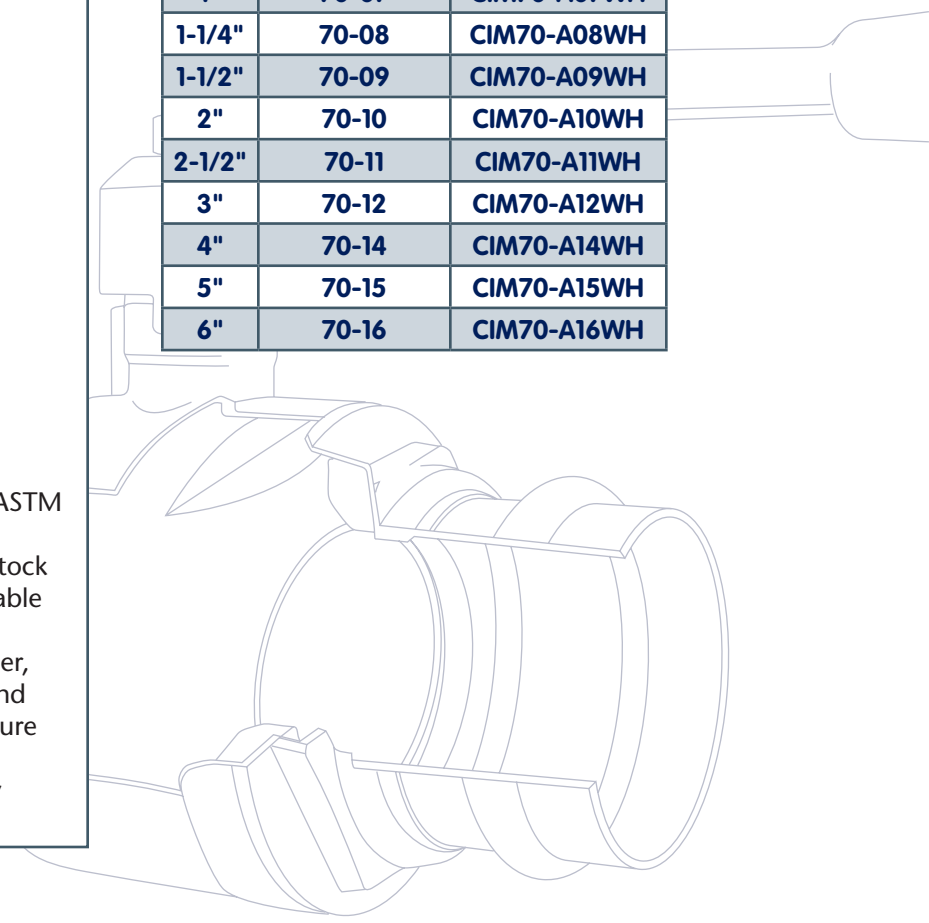
Features:

The CIM 70.1 is a Full Port 250 WOG Gate Valve that features a screwed-in bonnet, non-rising stem, solid wedge disc design.

Threading:

NPT Threads ANSI B1.20.1

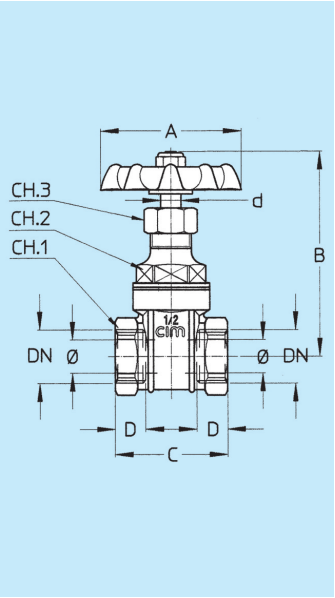
Size	Fast Order No.	Technical ID No.
1/2"	70-04	CIM70-A04WH
3/4"	70-06	CIM70-A06WH
1"	70-07	CIM70-A07WH
1-1/4"	70-08	CIM70-A08WH
1-1/2"	70-09	CIM70-A09WH
2"	70-10	CIM70-A10WH
2-1/2"	70-11	CIM70-A11WH
3"	70-12	CIM70-A12WH
4"	70-14	CIM70-A14WH
5"	70-15	CIM70-A15WH
6"	70-16	CIM70-A16WH



Full Port Gate Valve

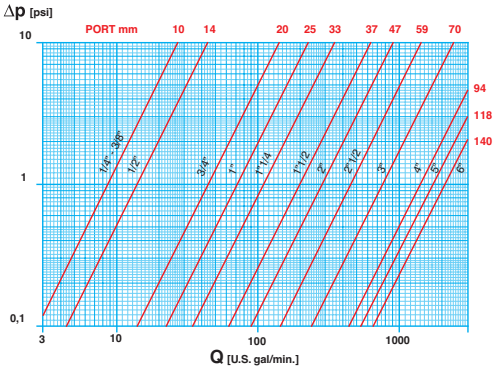
cim70.1

FIPT x FIPT



Size Port inch Port mm	1/2" 0.55" 14mm	3/4" 0.75" 20mm	1" 0.98" 25mm	1-1/4" 1.26" 32mm	1-1/2" 1.46" 37mm	2" 1.85" 47mm	2-1/2" 2.32" 59mm	3" 2.76" 70mm	4" 3.7" 94mm	5" 4.65" 118mm	6" 5.51" 140mm
A	2-3/16" 55mm	2-3/8" 60mm	2-9/16" 65mm	2-15/16" 75mm	3-1/8" 80mm	3-9/16" 90mm	4-5/16" 110mm	4-3/4" 120mm	5-1/2" 140mm	6-7/8" 175mm	6-7/8" 175mm
B	3-1/8" 80mm	3-3/4" 95mm	4" 101mm	4-3/4" 120mm	5-5/16" 135mm	5-15/16" 150mm	7-1/4" 185mm	8-1/16" 205mm	10-1/4" 260mm	13" 330mm	15-1/4" 386mm
C	1-3/4" 44mm	1-7/8" 48mm	2-1/8" 54mm	2-3/8" 60mm	2-1/2" 64mm	2-13/16" 72mm	3-1/8" 80mm	3-3/8" 85mm	3-13/16" 97mm	4-7/16" 112mm	4-3/4" 120mm
D	1/2" 12mm	9/16" 14mm	9/16" 15mm	11/16" 17mm	11/16" 17mm	13/16" 21mm	13/16" 21mm	7/8" 22mm	15/16" 23mm	1-1/8" 28mm	1-1/8" 29mm
CH1	1-1/16" 27mm	1-3/8" 34mm	1-9/16" 40mm	2" 50mm	2-3/16" 56mm	2-3/4" 69mm	3-3/8" 85mm	4" 102mm	5" 127mm	6-1/8" 155mm	7-1/16" 180mm
CH2	15/16" 24mm	1-3/16" 30mm	1-1/4" 32mm	1-1/4" 32mm	1-9/16" 39mm	1-7/8" 47mm	2-3/16" 55mm	2-5/8" 66mm	3-5/16" 84mm	4-1/2" 114mm	5-1/4" 134mm
CH3	3/4" 18mm	3/4" 18mm	3/4" 18mm	13/16" 21mm	15/16" 23mm	1" 25mm	1-3/16" 30mm	1-3/16" 30mm	1-7/16" 37mm	1-3/4" 45mm	1-15/16" 49mm
d	5/16" 8mm	5/16" 8mm	5/16" 8mm	3/8" 10mm	3/8" 10mm	7/16" 12mm	1/2" 13mm	9/16" 14mm	11/16" 17mm	3/4" 19mm	13/16" 21mm
Pounds Grams	0.54 245	0.83 375	1.10 500	1.65 750	2.18 990	3.15 1430	5.38 2440	7.72 3500	13.34 6050	22.27 10100	30.97 14050

FLOW AND PRESSURE DROP



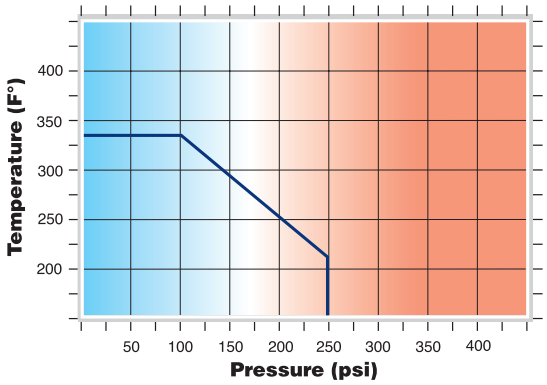
CV

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

Element: Water - Temperature: 59.9˚ F

70.1 SIZE	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	2-1/2"	3"	4"	5"	6"
Ø mm	14	20	25	33	37	47	59	70	94	118	140
Ø inch	0.55	0.79	0.98	1.3	1.46	1.85	2.32	2.76	3.7	4.65	5.51
CV	13.9	45.5	71.6	110.5	199.5	283.3	431.7	766	1400.2	1734.6	2099.9

PRESSURE/TEMPERATURE RATINGS



Working Pressure: 250 PSI

Integral Seat: In Accordance with Nominal Dimension

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

Saturated Steam: 102 PSI at 338˚ F

Test Pressures: According to ISO 5208