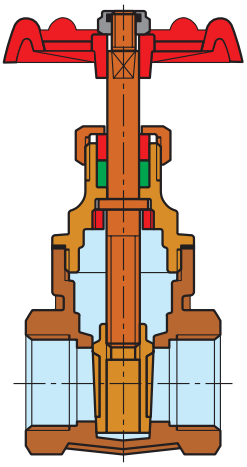
# Full Port Gate Valve

## 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.

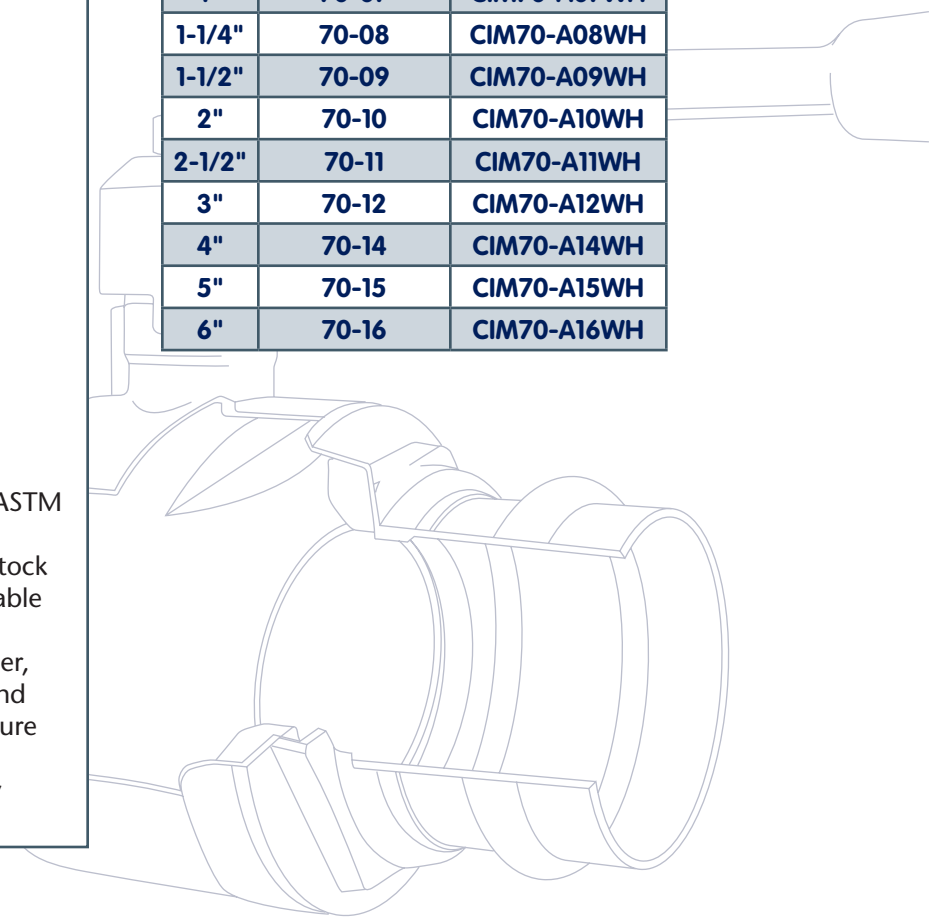
### Features:

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

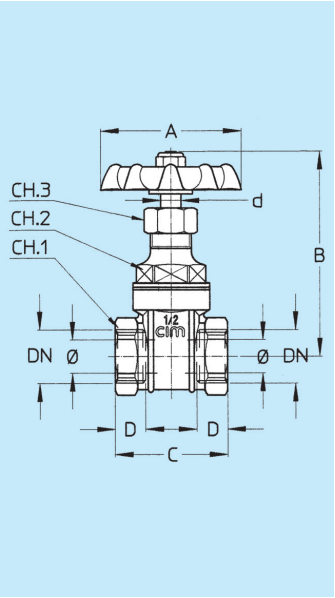
| Size | Fast Order No. | Technical ID No. |
|---|---|---|
| 1/2" | 70-04 | CIM70-A04WH |
| 3/4" | 70-06 | CIM70-A06WH |
| 1" | 70-07 | CIM70-A07WH |
| 1-1/4" | 70-08 | CIM70-A08WH |
| 1-1/2" | 70-09 | CIM70-A09WH |
| 2" | 70-10 | CIM70-A10WH |
| 2-1/2" | 70-11 | CIM70-A11WH |
| 3" | 70-12 | CIM70-A12WH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



# Full Port Gate Valve

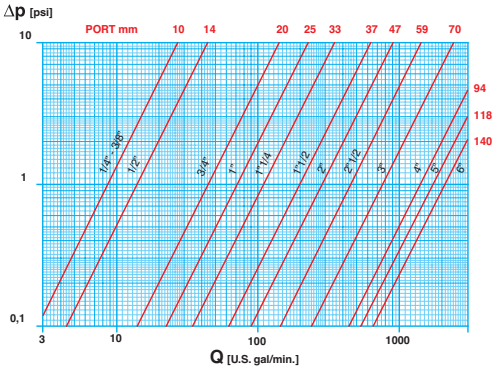
cim70.1

## FIPT x FIPT




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

## FLOW AND PRESSURE DROP



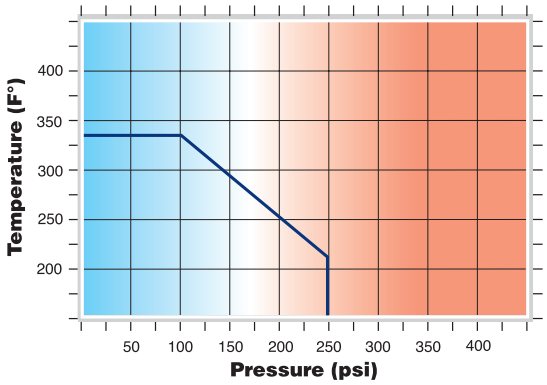

## CV

**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