

CIM 72FPN16

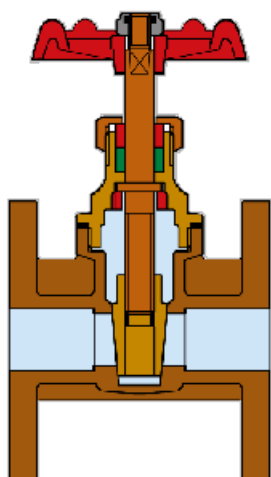
FLANGED FULLWAY BRONZE GATE VALVE - PN 16



SERVICE RECOMMENDATIONS:

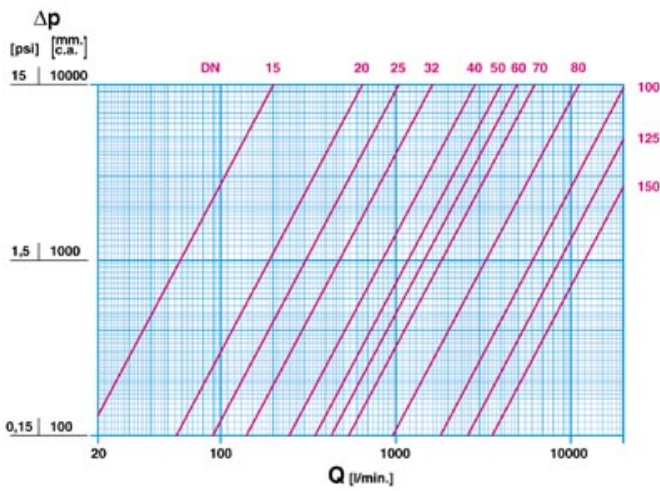
The CIM 72/F gate valve is manufactured in accordance with BS 5154/B - PN 16 and EN ISO 9002 and can be used in a wide range of plants, in any industrial and agricultural application: heating plants, sanitary systems, plumbing services, waterworks, steam, gasoline networks, petroleum and other hydrocarbons.

CROSS SECTION



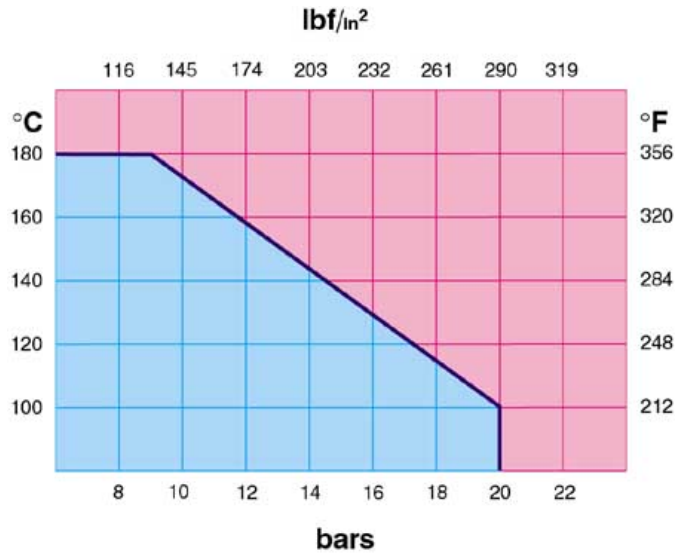
| | |
|-----------------|---|
| BODY : | CAST IN BROZE UNI 7013-8°-ISO 1338 |
| BONNET : | HOT FORGED BRASS EN12165 CW 617N |
| STEM : | MACHINED FROM DRAWN BRASS BAR EN12164 CW 614N |
| WEDGE : | 1/4-4" :HOT FORGED BRASS EN12165 CW 617N |
| WEDGE : | 5"-6" CAST IN BROZE UNI 7013-8°-ISO 1338 |
| STEM RING : | MACHINED FROM DRAWN BRASS BAR EN12164 CW 614N |
| PACKING : | NA 1030 Gr |
| GLAND NUT : | MACHINED FROM DRAWN BRASS BAR EN12164 CW 614N |
| GLAND PACKING : | AF 15/MA |
| GLAND : | MACHINED FROM DRAWN BRASS BAR EN12164 CW 614N |
| NUT : | SELF LOCKING TYPE |
| HANDWHEEL : | ALUMINIUM ALLOY AL/SI 12 |

FLOW AND PRESSURE DROP



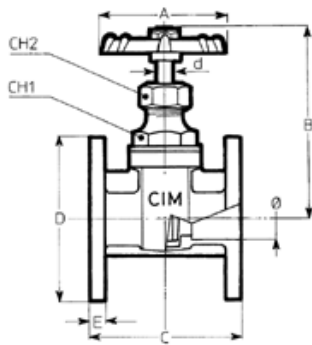
Flow and pressure drop
 1 l/min = 0,06 m³/h
 1 m³/h = 16,67 l/min

PRESSURE TEMPERATURE RATINGS



Pressure / temperature ratings
 1 bar = 14,5 p.s.i.
 $^{\circ}\text{C} = 5/9 (^{\circ}\text{F}-32)$
 $^{\circ}\text{F} = 32+9/5 ^{\circ}\text{C}$

TECHNICAL DRAWING



| DN | 1/2 | 3/4 | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/4" | 2 1/2" | 3" | 4" | 5" | 6" |
|-------|------|------|------|--------|--------|------|--------|--------|-------|-------|-------|-------|
| Ø mm. | 15 | 20 | 25 | 32 | 40 | 50 | 60 | 70 | 80 | 100 | 125 | 150 |
| Grms. | 1150 | 1660 | 2440 | 3180 | 4170 | 5130 | 6720 | 6540 | 10130 | 15060 | 22540 | 29800 |
| A | 55 | 60 | 65 | 75 | 80 | 90 | 90 | 110 | 120 | 140 | 175 | 175 |
| B | 84 | 96 | 102 | 120 | 134 | 160 | 173 | 185 | 208 | 250 | 306 | 360 |
| C | 69 | 83 | 89 | 98 | 115 | 126 | 141 | 154 | 160 | 170 | 190 | 210 |
| D | 95 | 105 | 120 | 140 | 150 | 162 | 175 | 160 | 189 | 230 | 260 | 290 |
| E | 8 | 8 | 10 | 10 | 11 | 11 | 12 | 12 | 13 | 17 | 17 | 18 |
| CH1 | 24 | 30 | 32 | 32 | 39 | 47 | 49 | 55 | 66 | 84 | 114 | 136 |
| CH2 | 18 | 18 | 18 | 21 | 23 | 25 | 25 | 30 | 30 | 37 | 45 | 50 |
| d | 8 | 8 | 8 | 10 | 10 | 12 | 12 | 13 | 14 | 17 | 19 | 21 |

Connection:
 Flanged to UNI 2223/ PN 6 10 16

On request:
 BS table F-D-E
 ANSI B16.5 150

TECHNICAL CHARACTERISTICS

KV

| DN | 1/2 | 3/4 | 1" | 1 1/4" | 1 1/2" | 2" | 2 1/4" | 2 1/2" | 3" | 4" | 5" | 6" |
|-------|-----|-----|----|--------|--------|-----|--------|--------|-----|------|------|------|
| Ø mm. | 15 | 20 | 25 | 32 | 40 | 50 | 60 | 70 | 80 | 100 | 125 | 150 |
| KV | 12 | 39 | 61 | 96 | 171 | 246 | 300 | 372 | 660 | 1212 | 1500 | 1818 |

KV = Capacity in m³/h at pressure drop of 1 bar

CS = Starting torque in Nm.