

**FULL BORE BALL VALVE - PN 20 - TYPE RED5 - STEEL LEVER HANDLE**



This article was made in compliance with the quality management requirements of standard ISO 9001:2008. All articles are tested according to the standard EN 12266-1:2003. It can be used in a wide variety of sectors: heating, air conditioning, water, sanitary systems, pneumatic systems, oil pipelines, gasoline networks, saturated steam and generally with any non corrosive liquid.

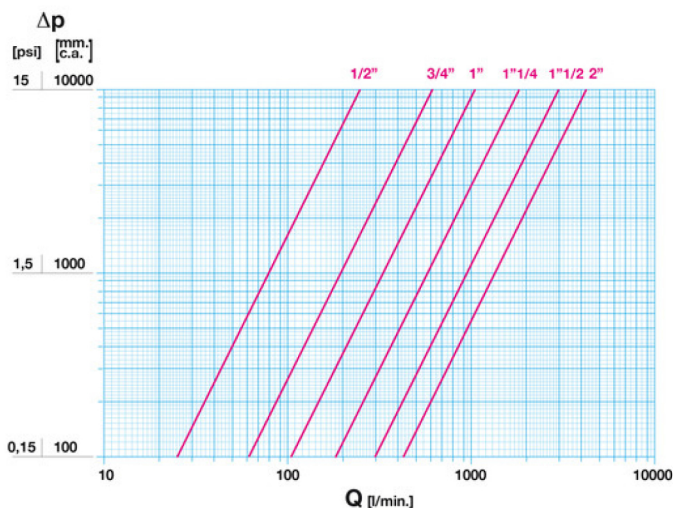
It is guaranteed for 5 years.

It is made of a brass alloy that complies with standard EN 12165-CW617N-M.

Nominal Pressure: PN 20

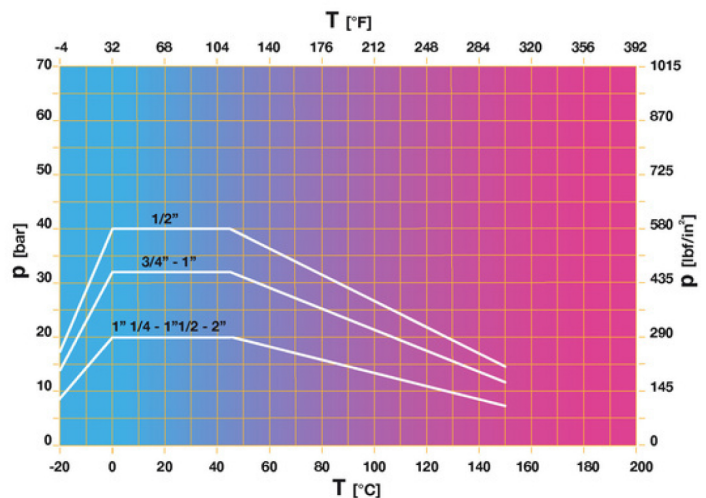
Operating temperature: -20 to 150°C

**FLOW AND PRESSURE DROP**



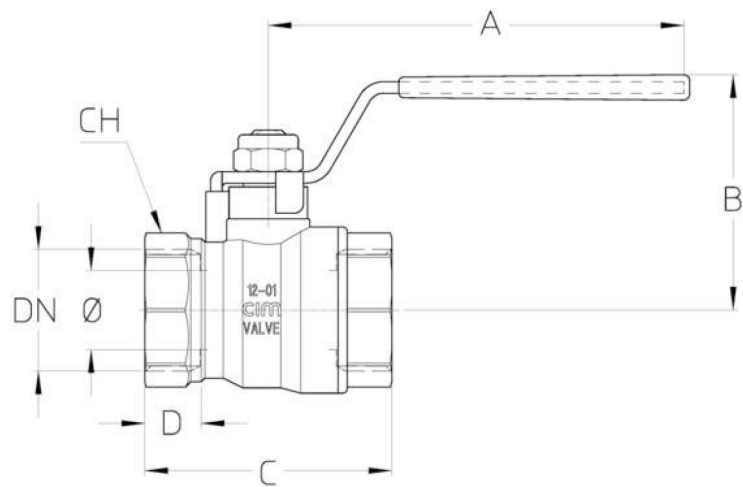
Notes:  
 1 l/min = 0,06 m3/h  
 1 m3/h = 16,67 l/min  
 1 bar = 10.000 mm w.c.  
 1 psi = 690 mm w.c.

**PRESSURE TEMPERATURE RATINGS**



Notes:  
 1 bar = 14,5 psi  
 1 bar = 14,5 lbf/in2  
 $^{\circ}\text{C} = 5/9 \times (^{\circ}\text{F} - 32)$   
 $^{\circ}\text{F} = 32 + (9/5 \times ^{\circ}\text{C})$

TECHNICAL DRAWING



|              |            |            |            |            |            |             |
|--------------|------------|------------|------------|------------|------------|-------------|
| DN           | 1/2"       | 3/4"       | 1"         | 1"1/4      | 1"1/2      | 2"          |
| Ø mm         | 14         | 19         | 24         | 30         | 37         | 47          |
| <b>Grms.</b> | <b>155</b> | <b>250</b> | <b>370</b> | <b>500</b> | <b>925</b> | <b>1370</b> |
| A            | 90         | 90         | 110        | 110        | 150        | 150         |
| B            | 47         | 51         | 55         | 60         | 78         | 85          |
| C            | 47         | 53,5       | 66         | 74         | 88         | 102         |
| D            | 12         | 12         | 15         | 16         | 18         | 19          |
| CH           | 25         | 31         | 37         | 47         | 54         | 66          |

Thread:  
ISO 228

Upon request:  
ANSI B.1.20.1 - NPT

TECHNICAL CHARACTERISTICS

| KV CM CS MT |      |      |     |       |       |     |
|-------------|------|------|-----|-------|-------|-----|
| DN          | 1/2" | 3/4" | 1"  | 1"1/4 | 1"1/2 | 2"  |
| Ø mm        | 15   | 20   | 25  | 32    | 40    | 50  |
| KV          | 15   | 37   | 63  | 108   | 179   | 256 |
| CM          | 1    | 1,5  | 2,5 | 3     | 8     | 11  |
| CS          | 2,5  | 5    | 6   | 10    | 18    | 20  |
| MT          | 24   | 24   | 26  | 26    | 88    | 88  |

KV = Capacity in m³/h at pressure drop of 1 bar.  
CM = Operating torque in Nm.  
CS = Starting torque in Nm.  
MT = Stem breaking torque in Nm.