CHRYSSAFIDIS

valve cimberio

# CIM 309/346

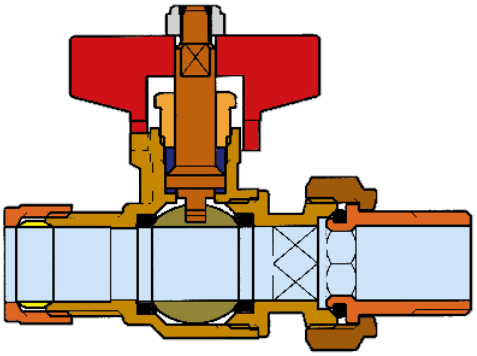
ΣΦΑΙΡΙΚΟΙ ΚΡΟΥΝΟΙ ΜΕ ΡΑΚΟΡ ΣΥΣΦΙΓΞΗΣ

## BALL VALVE WITH COMPRESSION/MALE UNION JOINT ENDS - BUTTERFLY ALLUMINIUM HANDLE


SERVICE RECOMMENDATIONS:

The CIM 309/346 ball valve is manufactured in accordance with EN29000 - ISO9000 and can be used for: domestic and commercial plumbing, industrial applications, agricultural requirements and heating, sanitary, pneumatic systems, waterworks, oil pipelines, oil, gasoline networks, saturated steam or high temperature, hot water services, condensate lines and is suitable for petrol and other hydrocarbon services, generally with every non aggressive fluid.

## CROSS SECTION



| | |
|---|---|
| NUT : | SELF LOCKING TYPE |
| HANDLE : | ALLUMINIUM ALLOY AL-SI 12 |
| STEM : | MACHINED FROM DRAWN BRASS BAR EN12164 CW 614N |
| CAP : | MACHINED FROM DRAWN BRASS BAR EN12164 CW 614N |
| STEM GASKETS : | P.T.F.E. |
| RING GASKET : | P.T.F.E. |
| SCREWED ENDS : | HOT FORGED BRASS EN12165 CW 617N |
| BALL GASKETS : | P.T.F.E. |
| BALL GASKETS : | HOT FORGED BRASS EN12165 CW 617N |
| BODY, : | HOT FORGED BRASS EN12165 CW 617N |
| BONNET : | HOT FORGED BRASS EN12165 CW 617N |
| COMPRESSION END : | HOT FORGED BRASS EN12164 CW 602N |
| JOINT : | MACHINED FROM DRAWN BRASS BAR EN12164 CW 614N |



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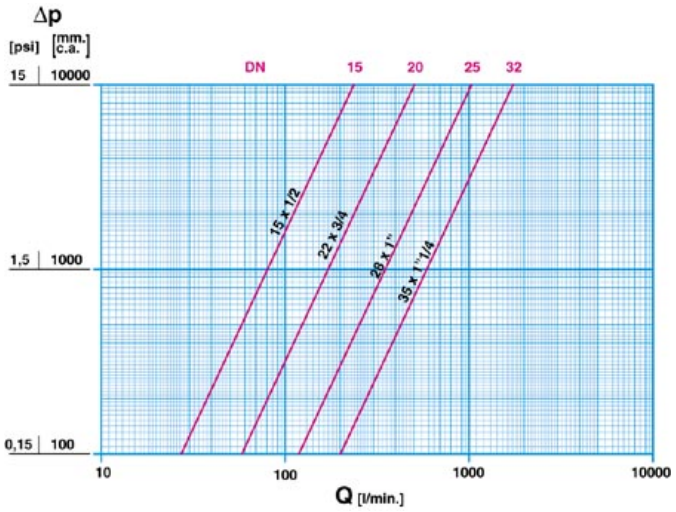
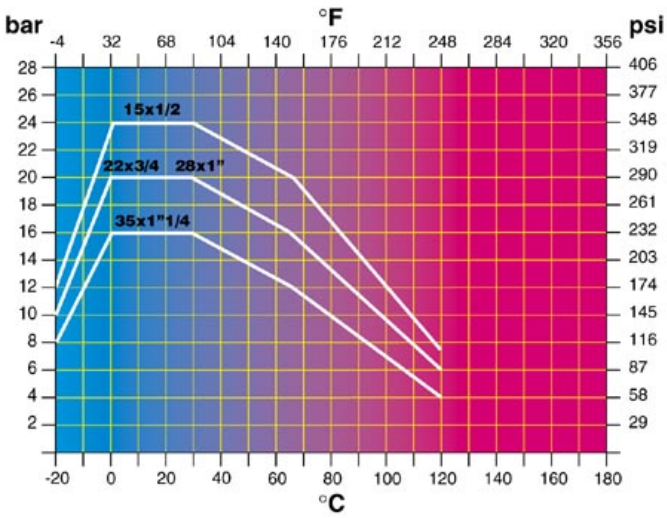
## FLOW AND PRESSURE DROP



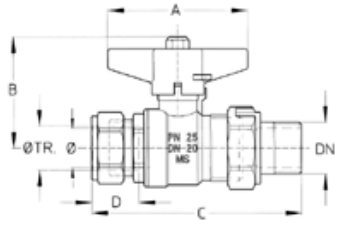

Flow and pressure drop
1 l/min = 0,06 m3/h
1 m3/h = 16,67 l/min

## PRESSURE TEMPERATURE RATINGS




Pressure / temperature ratings
1 bar = 14,5 p.s.i.
°C = 5/9 ( °F-32)
°F = 32+9/5 °C

## TECHNICAL DRAWING




| Ø TR. | 15 | 22 | 28 | 35 |
|---|---|---|---|---|
| DN | 1/2 | 3/4 | 1" | 1 1/4" |
| Ø mm. | 15 | 20 | 25 | 32 |
| Grms. | 300 | 478 | 725 | 1095 |
| A | 50 | 70 | 70 | 85 |
| B | 52 | 56 | 60 | 73 |
| C | 94 | 105 | 117 | 136 |
| D | 21,5 | 25 | 26 | 34,5 |
| CH1 | 24 | 32 | 39 | 47 |
| CH2 | 31 | 32 | 47 | 52 |

Connection:
BS 864-2

## TECHNICAL CHARACTERISTICS

**KV CM CS MT**

| T.R. x DN | 15 x 1/2 | 22 x 3/4 | 28 x 1" | 35 x 1 1/4" |
|---|---|---|---|---|
| Ø mm. | 15 | 20 | 25 | 32 |
| KV | 17 | 41 | 68 | 123 |
| CM | 3 | 5 | 6 | 7 |
| CS | 6 | 10 | 12 | 14 |
| MT | 10 | 24 | 24 | 45 |

KV = Capacity in m³/h at pressure drop of 1 bar
CM = Working torque in Nm.
CS = Starting torque in Nm.
MT = Maximum torque on the stem in Nm.

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