



## In line double-acting flow control valves

### FT 1251/2-01

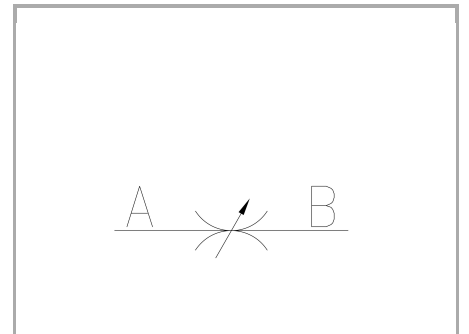
Double-acting flow control valves available from 1/8" to 3/4" BSPP size, max.working pressure 210 Bar, adjustable oil flow rate from 0,5 to 80 Lt./min. (depending on the size)

**Double-acting control**

**In line or panel mounting**

**Brass OT58 - UNI5705 Nickel Plated**

**Connections: F - F Female - Female**



## Technical information

### Technical description

The valves FT 1251/2-01 allow flow regulation in both directions. Of unmistakable style they are manufactured with materials also suitable for applications with fluids other than oil (such as: water, gas and liquids in general). They are suitable for application where working pressure does not exceed 210 bar, as an alternative to FT 257/2 (suitable up to 400 bar) or where ferrous materials cannot be used. They have the same characteristics as the FT 257 series: • accurate flow regulation; • efficient metallic sealing; • simple setting of flow rates; • secure against accidental needle lift-out; • secure needle position with locking screw inserted in the knob; • panel mounting provision, for which special lock nuts (G) are supplied on request.

### Materials

|  |  |
|--|--|
| <b>CORPO VALVOLA / VALVE BODY</b>                  | <b>OT 58-UNI EN 12165</b>  |
| <b>SPILLO DI REGOLAZIONE / ADJUSTING NEEDLE</b>    | <b>Acciaio/Steel X 10 Cr Ni S 1809-UNI EN 10088-1</b>            |
| <b>GUARNIZIONI / GASKETS</b>                       | <b>Di serie NBR - A richiesta FPM/Standard NBR-on demand FPM</b> |
| <b>ANELLI ANTIESTRUSIONE / ANTIEXTRUSION RINGS</b> | <b>PTFE</b>  |
| <b>MANOPOLA TIPO MA - RA / KNOB TYPE MA - RA</b>   | <b>GD AlSi12 - UNI EN AB 46100</b>                               |
| <b>MANOPOLA TIPO MP / KNOB TYPE MP</b>             | <b>ABS</b>   |

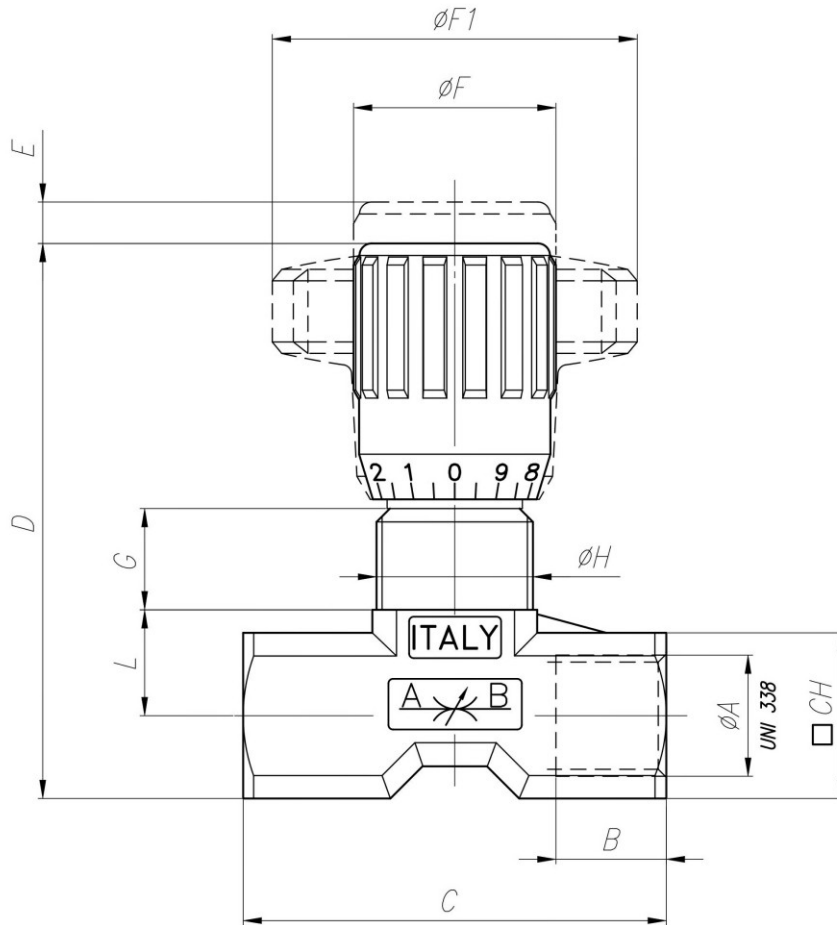


## Technical data

| TIPO / TYPE | PRESSIONE<br>ESERCIZIO BAR /<br>WORKING<br>PRESSURE BAR | TEMPERATURA<br>ESERCIZIO /<br>WORKING<br>TEMPERATURE | GRADO DI<br>FILTRAZIONE $\mu\text{m}$<br>/ FILTRATION<br>GRADE $\mu\text{m}$ |
|-------------|---|--|--|
| 18          | 210   | -20°C/+100°C   | 25   |
| 14          | 210   | -20°C/+100°C   | 25   |
| 38          | 210   | -20°C/+100°C   | 25   |
| 12          | 210   | -20°C/+100°C   | 25   |
| 34          | 210   | -20°C/+100°C   | 25   |

## Dimensional tables and drawings

| TIPO / TYPE | A<br>UNI 338 | B  | C  | D   | E   | $\varnothing\text{F}$ | $\varnothing\text{F1}$ | G    | H       | L    | CH | PESO / WEIGHT<br>KG |
|-------------|--------------|----|----|-----|-----|-----------------------|------------------------|------|---------|------|----|---------------------|
| 18          | 1/8" G       | 8  | 40 | 55  | 4   | 22                    | 40                     | 12   | M15x1   | 9,5  | 15 | 0,105               |
| 14          | 1/4" G       | 12 | 46 | 57  | 4,5 | 22                    | 40                     | 11,5 | M17x1   | 11,5 | 18 | 0,122               |
| 38          | 3/8" G       | 13 | 55 | 69  | 7   | 27                    | 50                     | 12,5 | M20x1   | 15   | 22 | 0,233               |
| 12          | 1/2" G       | 16 | 70 | 82  | 10  | 33                    | 70                     | 13   | M25x1,5 | 19   | 27 | 0,455               |
| 34          | 3/4" G       | 20 | 91 | 100 | 12  | 38                    | 80                     | 15   | M30x1,5 | 22   | 34 | 0,860               |





## Flow rate curves

