



In line double-acting flow control valves

FT 257/2

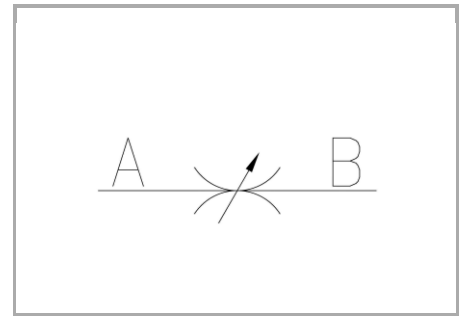
Double-acting flow control valves available from 1/8" to 2" BSPP size, max. working pressure 400 Bar / 320 Bar, adjustable oil flow rate from 0,5 to 200 Lt./min.(depending on the size)

Double-acting control

In line or panel mounting

Carbon steel

Connections: F - F Female - Female



Technical information

Technical description

The valves FT 257/2 allow flow control in both directions. They are equipped with a needle so to obtain: • efficient metallic seal; • flow linearity at the opening; • accurate regulation for a wide range of flow rate. The typical painted and FT (standard) serigraphed aluminium handwheel is equipped with a scale that, together with a keyed metal ring with graduated fractional scale, made up a double reference system to easily identify flow condition. A locking screw in the handwheel ensures stable flow values preventing accidental adjustments or movements due to vibrations and unwanted impacts. A ring nut (G) is used to carry out the panel mounting, on request.

Materials

| | |
|----------------------------------------------------|------------------------------------------------------------------|
| CORPO VALVOLA / VALVE BODY | Acciaio/Steel 11 S Mn Pb 37-UNI EN 10087 |
| SPILO DI REGOLAZIONE / ADJUSTING NEEDLE | Acciaio legato/Alloy steel |
| GUARNIZIONI / GASKETS | Di serie NBR - A richiesta FPM/Standard NBR-on demand FPM |
| ANELLI ANTIESTRUSIONE / ANTIEXTRUSION RINGS | PTFE |
| MANOPOLA TIPO MA - RA / KNOB TYPE MA - RA | Alluminio / Aluminium GD AlSi12 - UNI EN AB 46100 |
| MANOPOLA TIPO MP / KNOB TYPE MP | ABS |



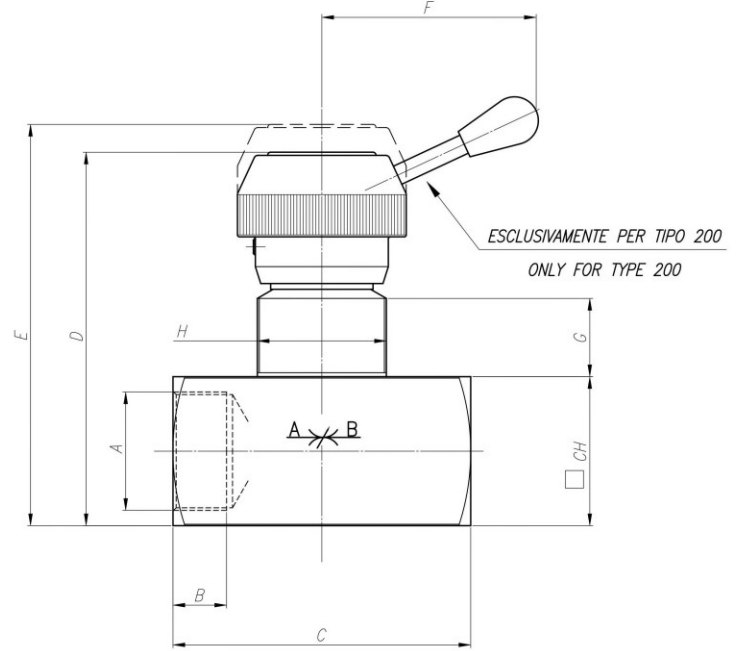
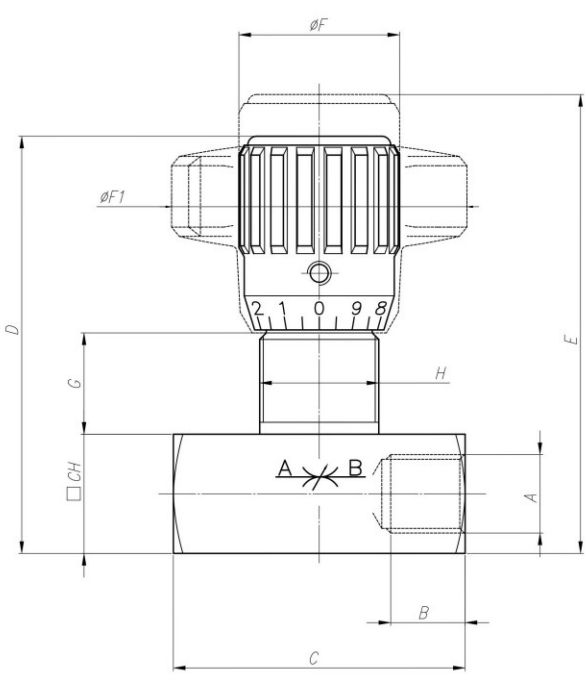
Technical data

| TIPO / TYPE | PRESSIONE ESERCIZIO BAR / WORKING PRESSURE BAR | MIN. PRESSIONE SCOPPIO BAR / MIN. BURSTING PRESSURE BAR | TEMPERATURA ESERCIZIO / WORKING TEMPERATURE | GRADO DI FILTRAZIONE μm / FILTRATION GRADE μm |
|-------------|------------------------------------------------|---------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------------|
| 18 | 400 | 1600 | -20°C/+100°C | 25 |
| 14 | 400 | 1600 | -20°C/+100°C | 25 |
| 38 | 400 | 1600 | -20°C/+100°C | 25 |
| 12 | 400 | 1600 | -20°C/+100°C | 25 |
| 34 | 400 | 1600 | -20°C/+100°C | 25 |
| 100 | 320 | 1300 | -20°C/+100°C | 25 |
| 114 | 320 | 1300 | -20°C/+100°C | 25 |
| 112 | 320 | 1300 | -20°C/+100°C | 25 |
| 200 | 320 | 1300 | -20°C/+100°C | 25 |

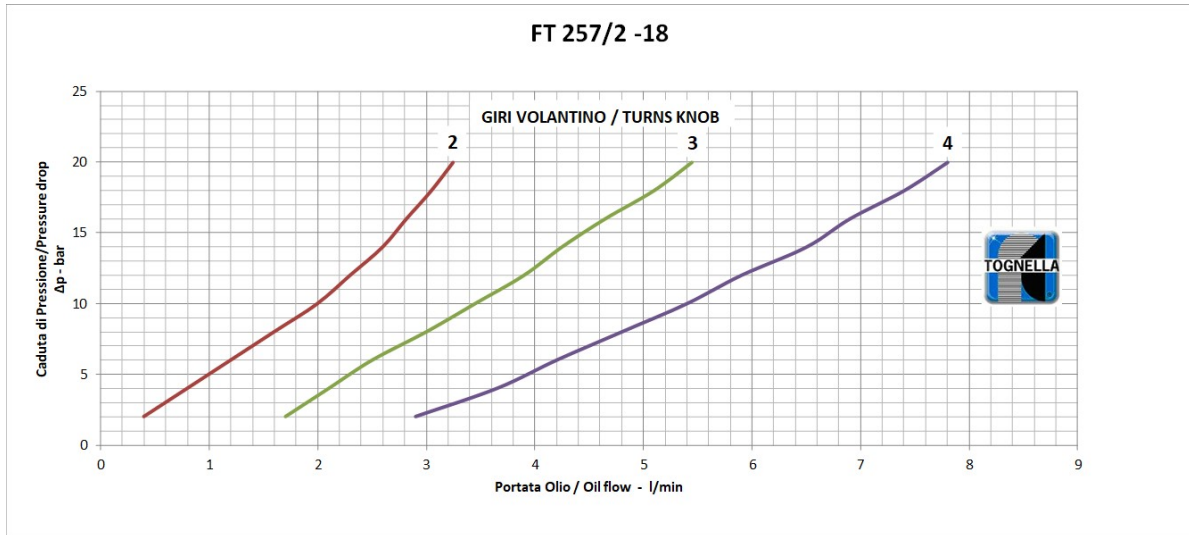
Dimensional tables and drawings

| TIPO / TYPE | A UNI 338 | B | C | D | E | $\varnothing F$ |
|-------------|--------------|------|-----|-------|-------|-----------------|
| 18 | 1/8" G | 8,5 | 38 | 59 | 64 | 22 |
| 14 | 1/4" G | 12,5 | 49 | 71 | 78 | 27 |
| 38 | 3/8" G | 12,5 | 59 | 84 | 93 | 33 |
| 12 | 1/2" G | 15,5 | 68 | 97 | 107 | 38 |
| 34 | 3/4" G | 17 | 86 | 120,5 | 132,5 | 47 |
| 100 | 1" G | 20 | 105 | 151,5 | 167,5 | 58 |
| 114 | 1 1/4" G | 22 | 120 | 156,5 | 172,5 | 58 |
| 112 | 1 1/2" G | 24 | 134 | 167 | 181 | 58 |
| 200 | 2" G | 27 | 150 | 188 | 202 | 108 |

| TIPO / TYPE | $\varnothing F1$ | G | H | CH | PESO / WEIGHT KG |
|-------------|------------------|------|---------|----|---------------------|
| 18 | 40 | 13,5 | M17x1 | 16 | 0,110 |
| 14 | 50 | 17 | M20x1 | 20 | 0,200 |
| 38 | 70 | 19,5 | M25x1,5 | 25 | 0,375 |
| 12 | 80 | 21 | M30x1,5 | 30 | 0,600 |
| 34 | 100 | 26,5 | M40x1,5 | 40 | 1,300 |
| 100 | 120 | 35 | M50x1,5 | 50 | 2,550 |
| 114 | 120 | 35 | M50x1,5 | 55 | 2,994 |
| 112 | 120 | 35 | M55x2 | 65 | 4,217 |
| 200 | / | 44 | M65x2 | 75 | 7,320 |

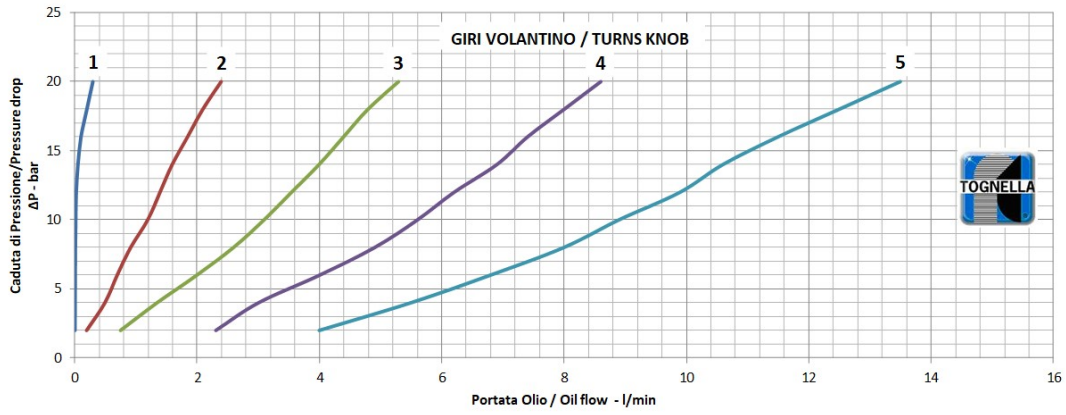


Flow rate curves

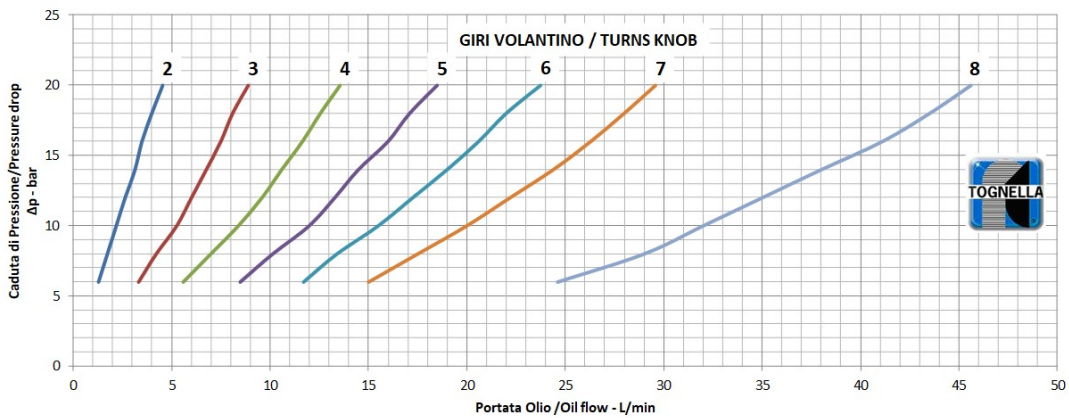




FT 257/2 - 14



FT 257/2 -38



FT 257/2 -12

