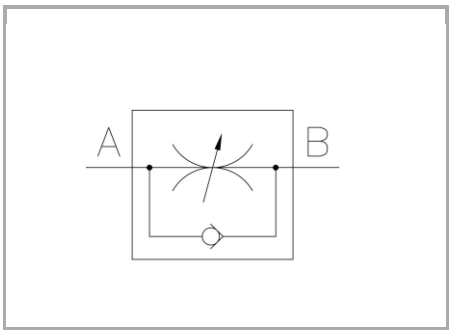
# Plate Microfine single-acting flow control valves

## FT 281/5

Single-acting flow control valves available in sizes 03 and 60, max. working pressure 250 Bar, adjustable oil flow rate from 0,1 to 4 Lt./min.

**Plate mounted valves**
**Single-acting control**
**Carbon steel**






## Technical information

### Technical description

They are the most suitable solution for those applications requiring precise adjustment characteristics or for low flow rate. They are characterised by a great flow rate section in the direction of free flow. They are provided with plate connections mod. CETOP 03 or interchangeable with the widely used valves ( kind 60 ). The connection O-rings are equipped in series. Max. working pressure 250 bar.

### Materials

| | |
|---|---|
| CORPO BASETTA / CETOP BODY | Acciaio/Steel 11 S Mn Pb 37-UNI EN 10087 |
| CORPO CARTUCCIA / CARTRIDGE BODY | Acciaio/Steel 11 S Mn Pb 37-UNI EN 10087 |
| SPILLO 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 / KNOB TYPE MA | Alluminio/Aluminum GD AlSi12- UNI EN AB 46100 |
| MANOPOLA TIPO MP / KNOB TYPE MP | ABS |

### Technical data

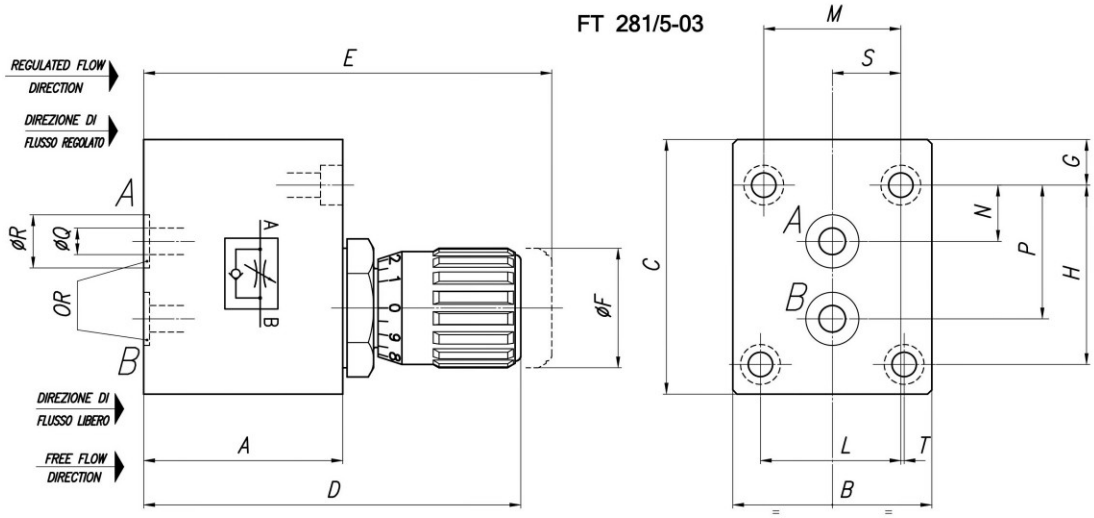
| TIPO / TYPE | PRESSIONE ESERCIZIO BAR / WORKING PRESSURE BAR | TEMPERATURA ESERCIZIO / WORKING TEMPERATURE | GRADO DI FILTRAZIONE µm / FILTRATION GRADE µm |
|---|---|---|---|
| 03 | 250 | -20°C/+100°C | 25 |
| 60 | 250 | -20°C/+100°C | 25 |

## Dimensional tables and drawings

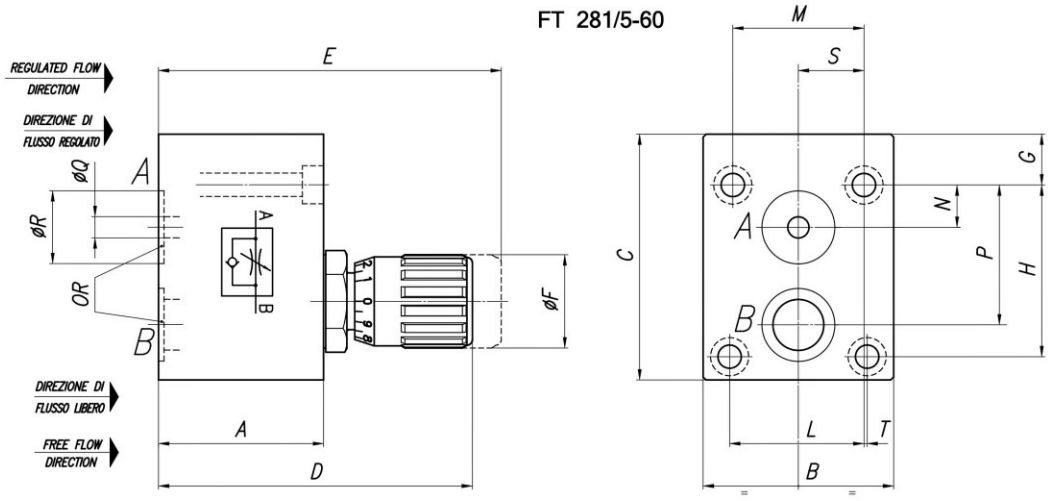
| TIPO / TYPE | A | B | C | D | E | ØF | G | H | L | M |
|---|---|---|---|---|---|---|---|---|---|---|
| 03 | 38 | 45 | 55,5 | 72 | 80 | 22 | 9,25 | 40,5 | 31,75 | 31 |
| 60 | 39 | 45 | 58 | 73 | 81 | 22 | 12 | 40,5 | 31,75 | 31 |

| TIPO / TYPE | N | P | ØQ | ØR | S | T | OR | VITI / SCREWS | PESO / WEIGHT KG |
|---|---|---|---|---|---|---|---|---|---|
| 03 | 12,7 | 30,2 | 5 | 12 | 15,5 | 0,75 | 108 | M5x45 | 0 ,710 |
| 60 | 10 | 33 | 5 | 17,2 | 15,5 | 0,75 | 2056 | M5x45 | 0,752 |

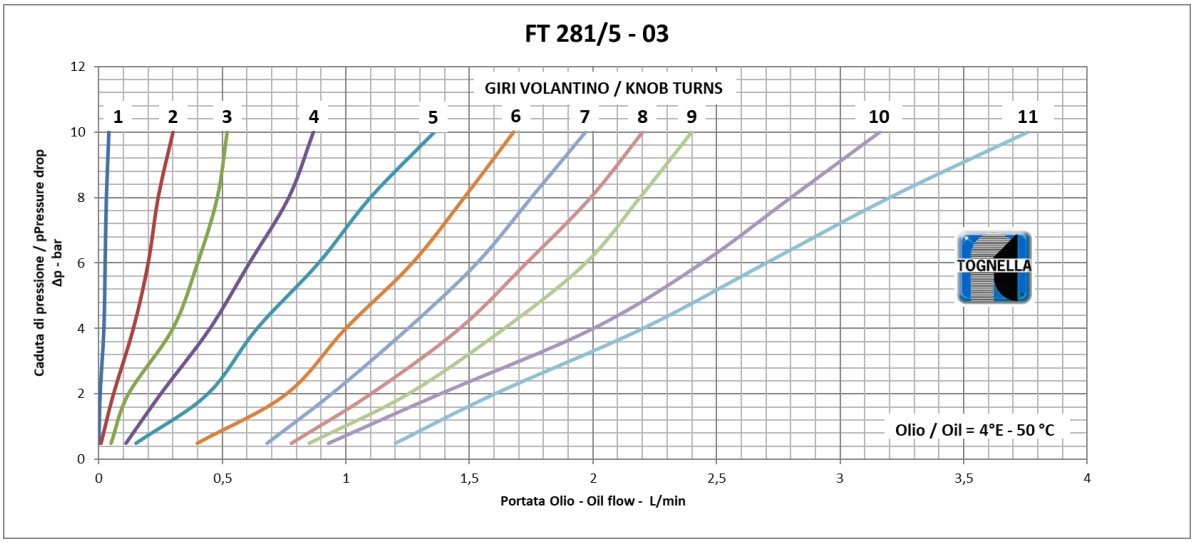
FT 281/5-03

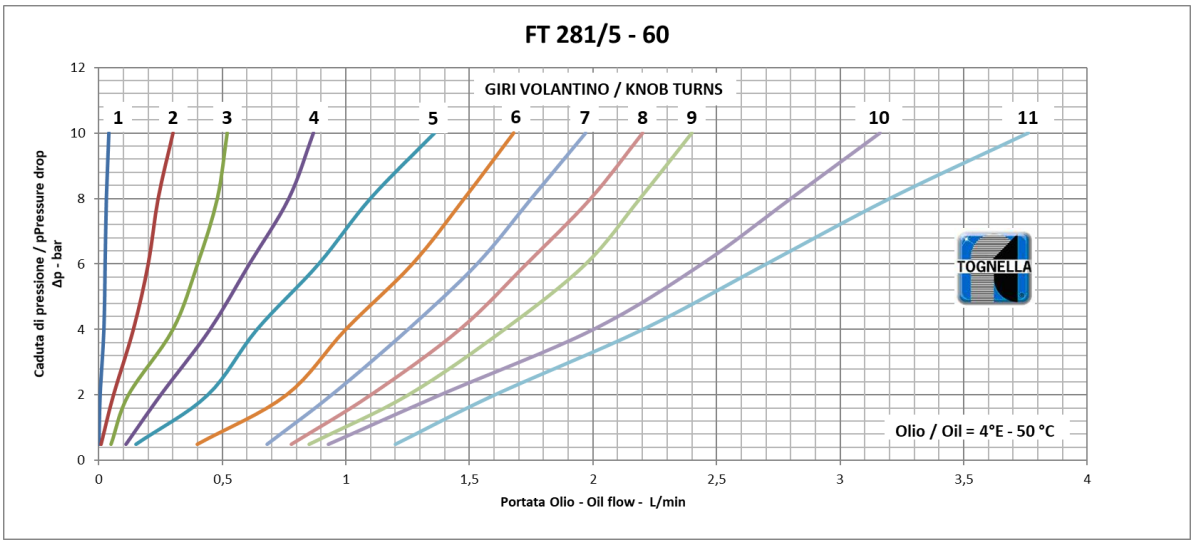


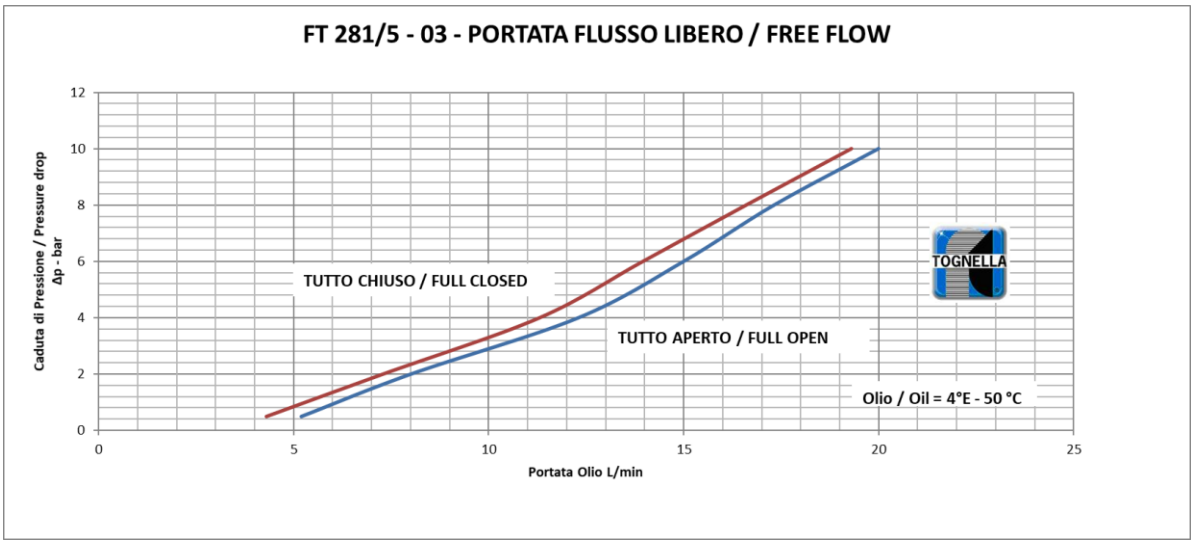

FT 281/5-60

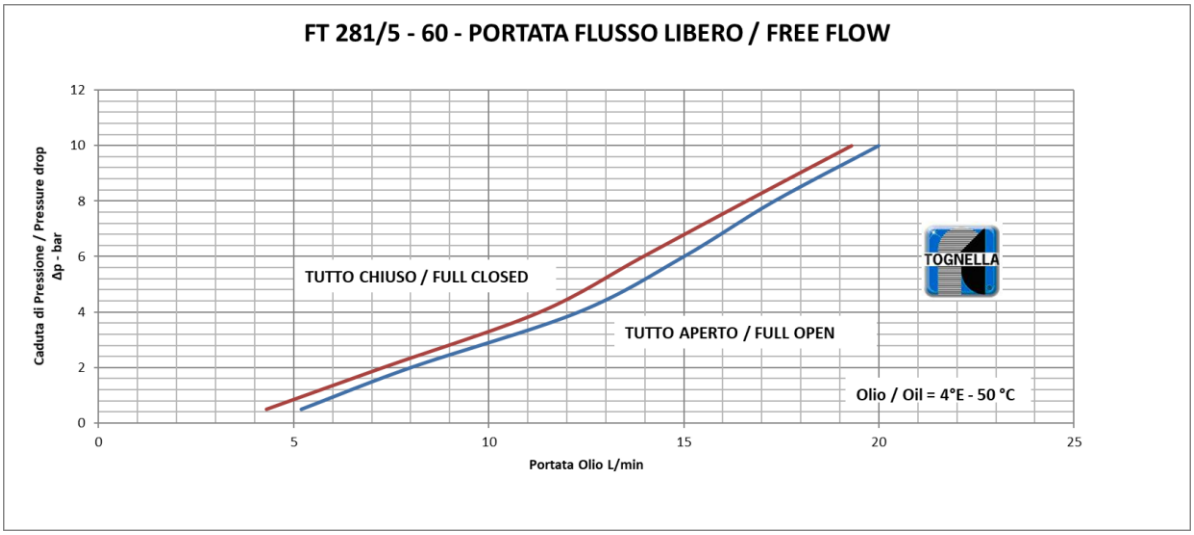


## Flow rate curves




FT 281/5 - 60 - PORTATA FLUSSO LIBERO / FREE FLOW
Caduta di Pressione / Pressure drop
Δp - bar
Portata Olio L/min
TUTTO CHIUSO / FULL CLOSED
TUTTO APERTO / FULL OPEN
Olio / Oil = 4°E - 50 °C
TOGNELLA
0
2
4
6
8
10
12
0
5
10
15
20
25