

Single-acting flow/braking control valves

FT 2243/5

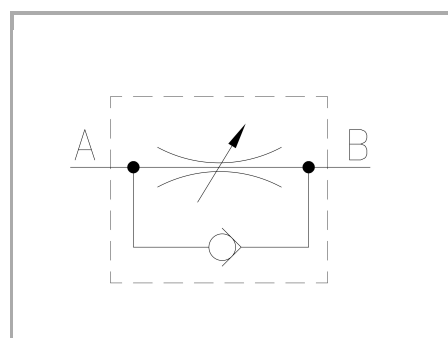
Single-acting flow control valves available from 1/4" to 3/4" size - METRIC THREADS. Max. working pressure 300 Bar, adjustable oil flow rate from 0,2 to 80 Lt./min. (depending on the size)

Single-acting control

No pressure compensated flow control

METRIC threads

Stainless Steel AISI 316



Technical information

Technical description

They are composed of a needle throttling, inside which there is a ball single-acting valve. They can be used in the assembling in manifolds and integrated blocks and are also used as cylinder braking valves. Recommended filtration: 60 micron or inferior. Max. working pressure: 300 bar

Materials

| | |
|--|--|
| CORPO / BODY | Acciaio INOX /Stainless Steel AISI 316 |
| SPILLO DI REGOLAZIONE / ADJUSTING NEEDLE | Acciaio INOX /Stainless Steel AISI 630 |
| GUARNIZIONI / GASKETS | FPM |
| DADO / NUT | Acciaio INOX /Stainless Steel AISI 316 |
| ANELLI ANTIESTRUSIONE / ANTI-EXTRUSION RINGS | PTFE |

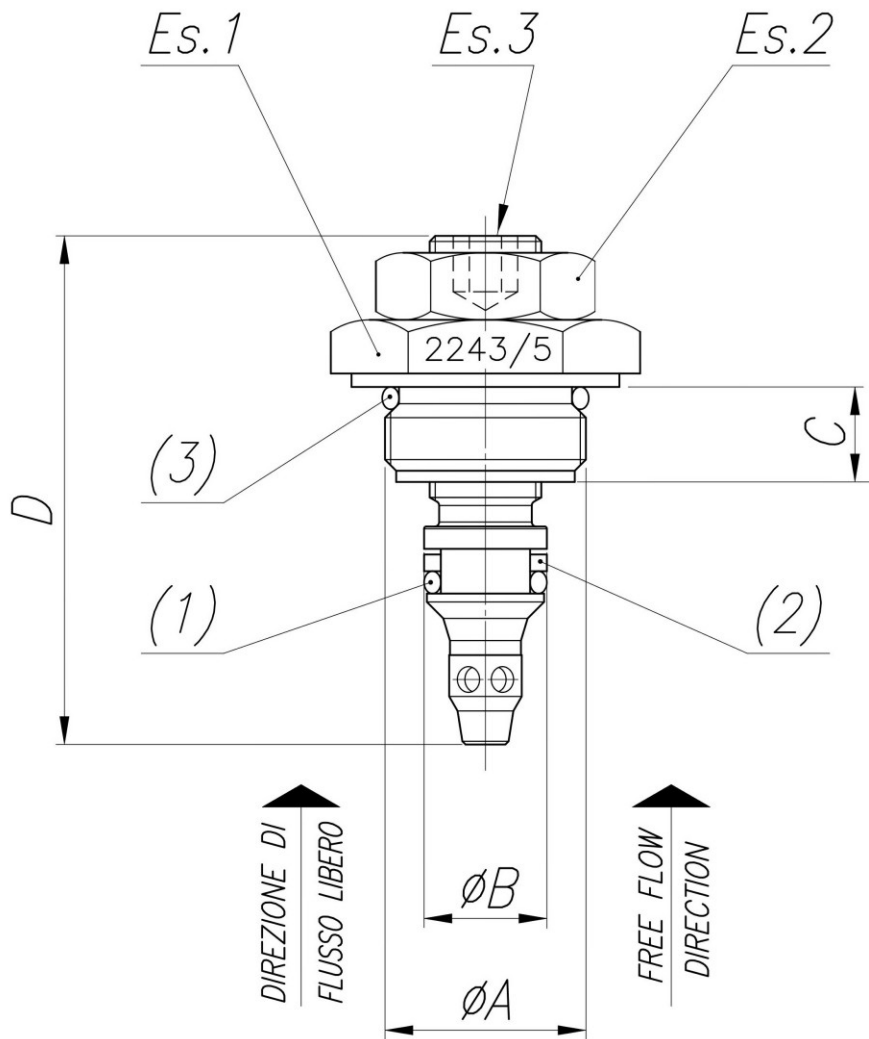
Technical data

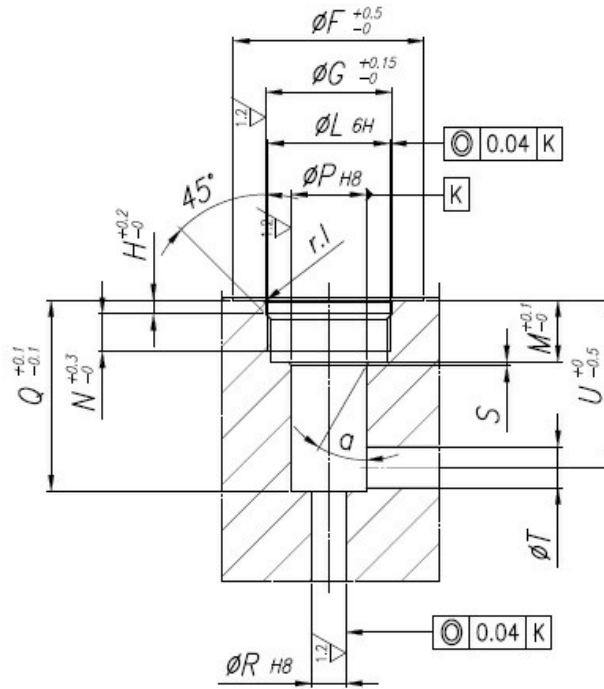
| TIPO / TYPE | PRESSIONE ESERCIZIO BAR / WORKING PRESSURE BAR | MIN. PRESSIONE SCOPPIO BAR / MIN. BURSTING PRESSURE BAR | TEMPERATURA ESERCIZIO / WORKING TEMPERATURE | GRADO DI FILTRAZIONE µm / FILTRATION GRADE µm |
|-------------|--|---|---|---|
| 14 | 300 | 1300 | -20°C/+130°C | 25 |
| 38 | 300 | 1300 | -20°C/+130°C | 25 |
| 12 | 300 | 1300 | -20°C/+130°C | 25 |
| 34 | 300 | 1300 | -20°C/+130°C | 25 |



Dimensional tables and drawings

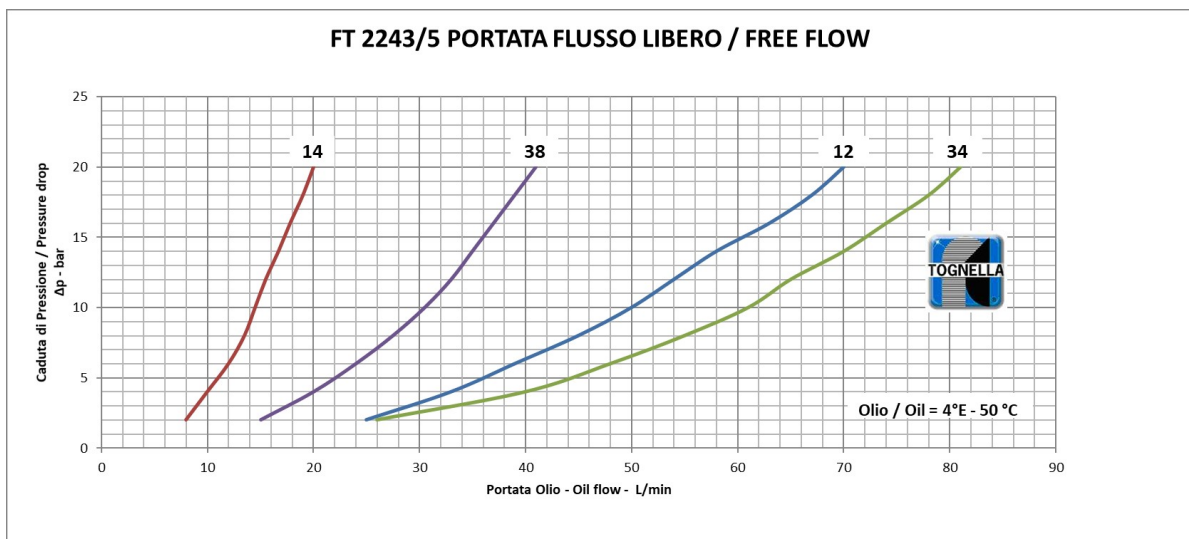
| TIPO / TYPE | ϕA | ϕB | C | D | Es. 1 | Es. 2 | Es. 3 | (1) OR | (2) BK | (3) OR | PESO / WEIGHT KG |
|-------------|----------|----------|------|------|-------|-------|-------|--------|--------|--------|---------------------|
| 14 | M17x1 | 10 | 8,5 | 44,5 | 22 | 17 | 4 | 106 | 106 | 2056 | 0,046 |
| 38 | M18x1 | 11 | 8,5 | 45,5 | 24 | 17 | 5 | 2031 | 2031 | 2062 | 0,055 |
| 12 | M22x1,5 | 14 | 13,5 | 66,5 | 27 | 19 | 7 | 2043 | 2043 | 2075 | 0,107 |
| 34 | M27x1,5 | 18 | 18 | 82 | 32 | 22 | 9 | 2056 | 2056 | 3093 | 0,189 |

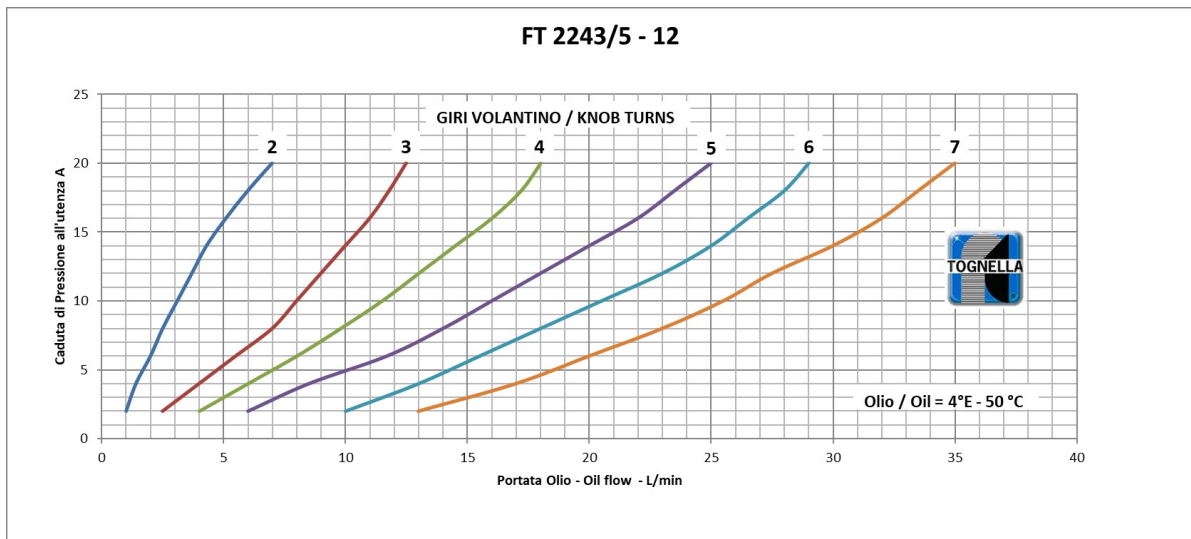
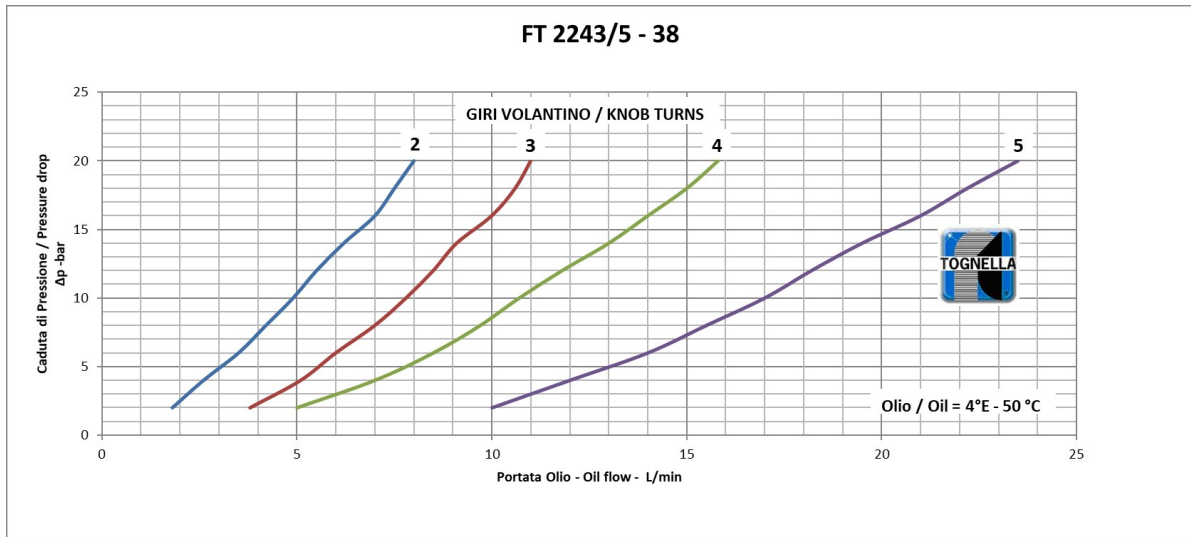
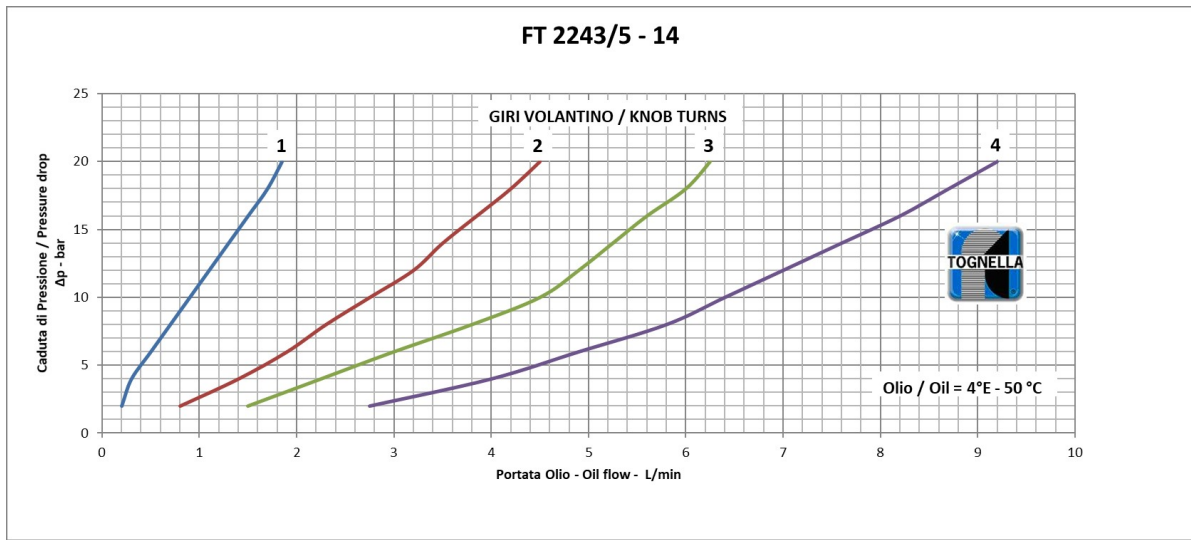




| | ϕF | ϕG | H | ϕL | M | N | ϕP | Q | ϕR | S | ϕT | U | r.l | a |
|----|----------|----------|-----|----------|----|-----|----------|------|----------|-----|----------|------|-----|-----|
| 14 | 26 | 17.5 | 2 | M17x1 | 9 | 5.5 | 10 | 28 | 4 | 0.6 | 4.5 | 25 | 0.3 | 30° |
| 38 | 28 | 18.5 | 2 | M18x1 | 9 | 5 | 11 | 28 | 5 | 0.6 | 6 | 24.5 | 0.3 | 30° |
| 12 | 33 | 22.5 | 2.5 | M22x1.5 | 15 | 10 | 14 | 40.5 | 8 | 1 | 8 | 36 | 0.3 | 20° |
| 34 | 35 | 28 | 3.5 | M27x1.5 | 21 | 15 | 18 | 54.5 | 10 | 1.5 | 10 | 48.5 | 0.5 | 20° |

Flow rate curves







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