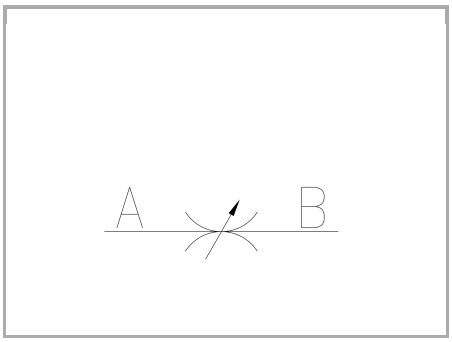
In line double-acting flow control valves

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

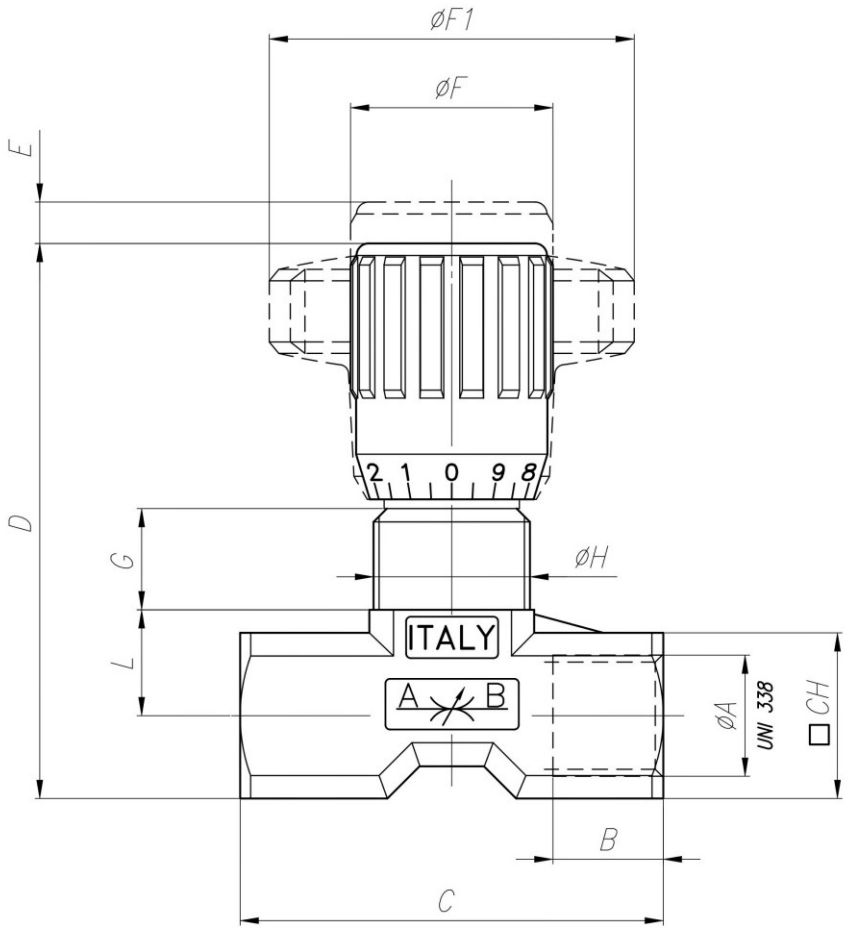
CORPO VALVOLA / VALVE BODY	OT 58-UNI EN 12165
SPILLO DI REGOLAZIONE / ADJUSTING NEEDLE	Acciaio/Steel X 10 Cr Ni S 1809-UNI EN 10088-1
GUARNIZIONI / GASKETS	Di serie NBR - A richiesta FPM/Standard NBR-on demand FPM
ANELLI ANTIESTRUSIONE / ANTIEXTRUSION RINGS	PTFE
MANOPOLA TIPO MA - RA / KNOB TYPE MA -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

Technical data

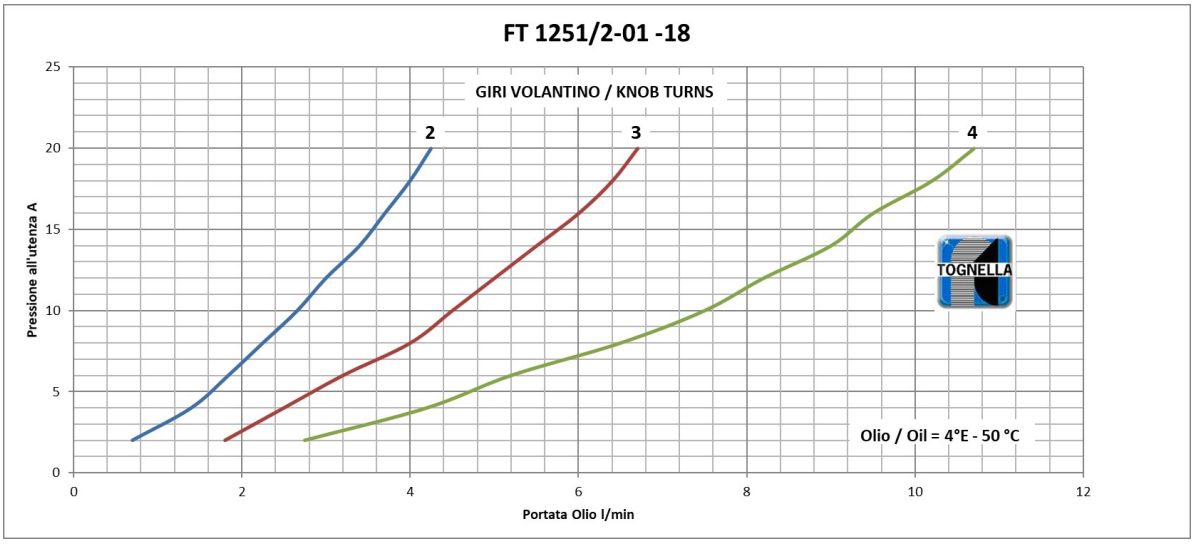
TIPO / TYPE	PRESSIONE ESERCIZIO BAR / WORKING PRESSURE BAR	TEMPERATURA ESERCIZIO / WORKING TEMPERATURE	GRADO DI FILTRAZIONE µm / FILTRATION GRADE µm
18	210	-20°C/+100°C	25
14	210	-20°C/+100°C	25
38	210	-20°C/+100°C	25
12	210	-20°C/+100°C	25
34	210	-20°C/+100°C	25

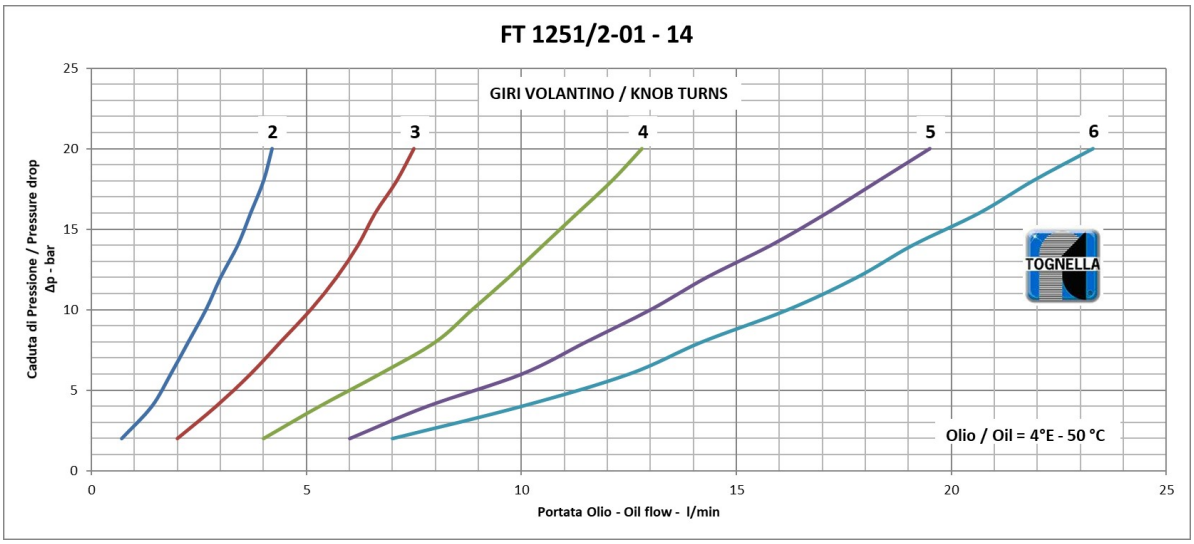
Dimensional tables and drawings

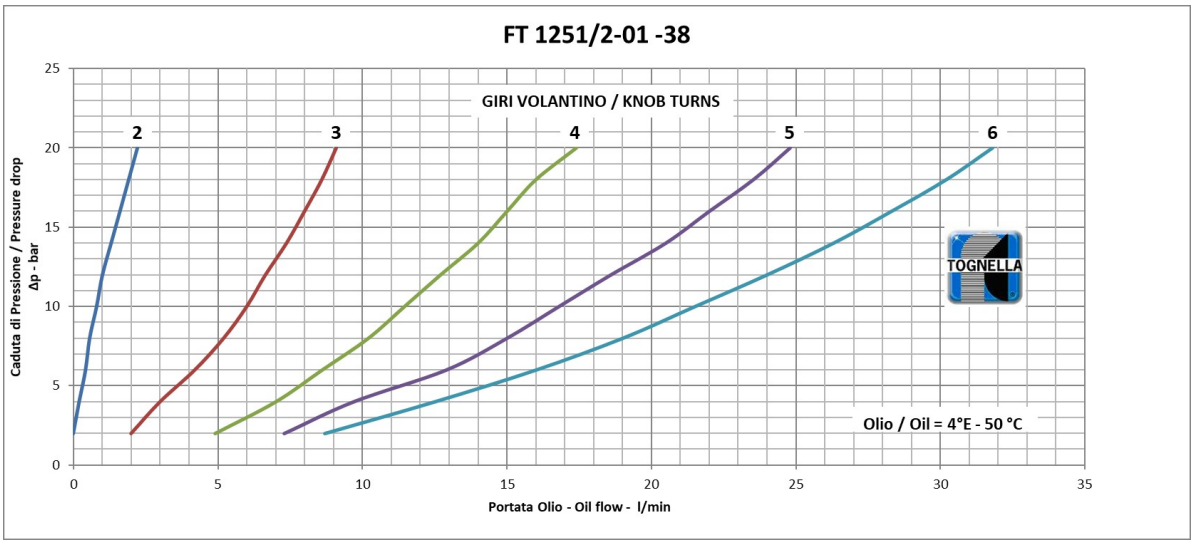
TIPO / TYPE	A UNI 338	B	C	D	E	ØF	ØF1	G	H	L	CH	PESO / WEIGHT KG
18	1/8" G	8	40	55	4	22	40	12	M15x1	9,5	15	0,105
14	1/4" G	12	46	57	4,5	22	40	11,5	M17x1	11,5	18	0,122
38	3/8" G	13	55	69	7	27	50	12,5	M20x1	15	22	0,233
12	1/2" G	16	70	82	10	33	70	13	M25x1,5	19	27	0,455
34	3/4" G	20	91	100	12	38	80	15	M30x1,5	22	34	0,860

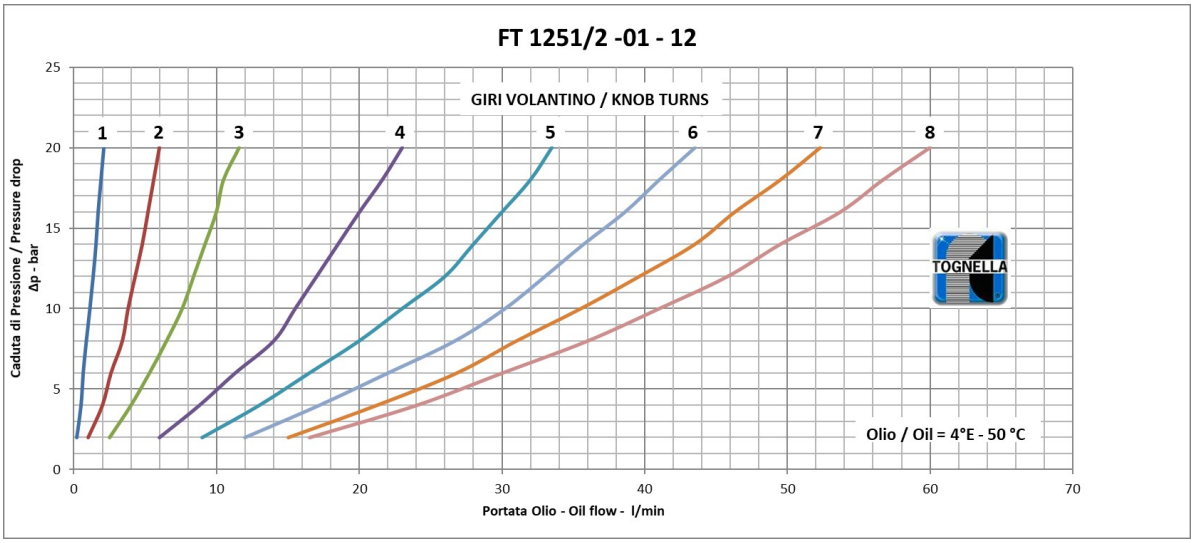

ØF1
ØF
E
D
G
L
ØH
2 1 0 9 8
ITALY
A B
ØA
UNI 338
□CH
B
C

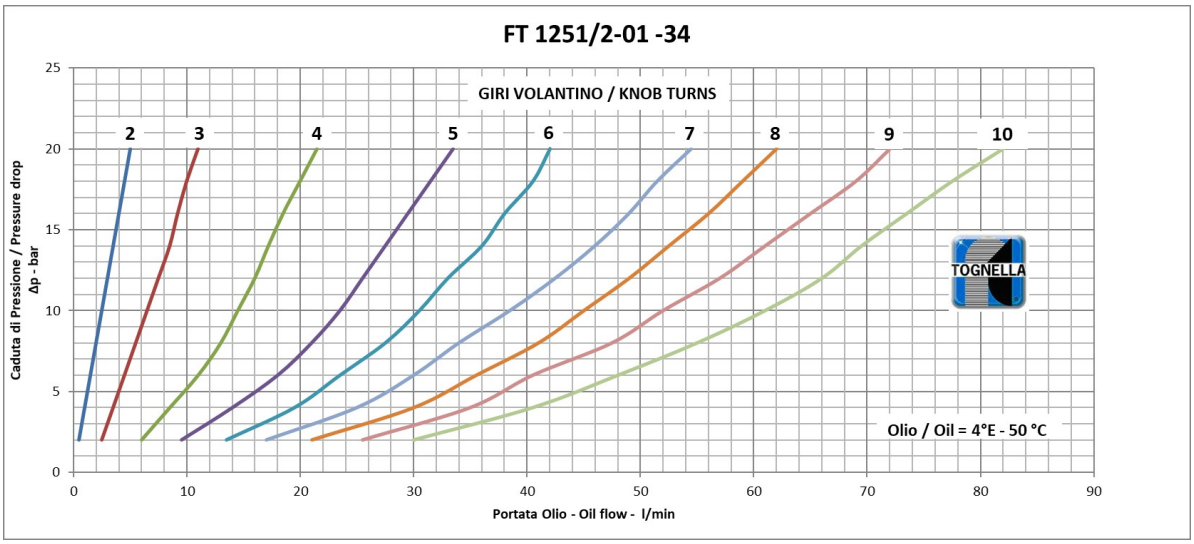
Flow rate curves








FT 1251/2 -01 - 12
GIRI VOLANTINO / KNOB TURNS
1
2
3
4
5
6
7
8
Caduta di Pressione / Pressure drop
Δp - bar
Portata Olio - Oil flow - l/min
Olio / Oil = 4°E - 50 °C
TOGNELLA


FT 1251/2-01 -34
GIRI VOLANTINO / KNOB TURNS
2
3
4
5
6
7
8
9
10
Caduta di Pressione / Pressure drop
Δp - bar
Portata Olio - Oil flow - l/min
Olio / Oil = 4°E - 50 °C
TOGNELLA