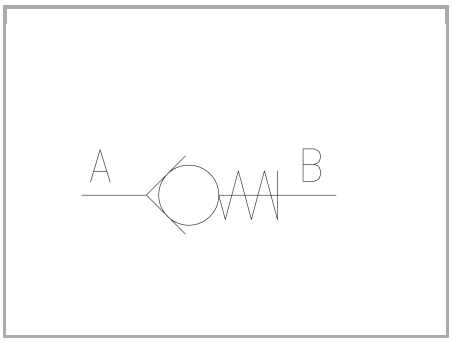
In line carbon steel piston check valves

FT 260/6

In line check valves available from 1/8" to 1" bsp, Max.working pressure 400/320 Bar, oil flow rate up to 160 Lt./min. (depending on the size)

In line
Direct control
Carbon steel



Technical information

Technical description

They are inserted in branches of the circuit where the free flow in one direction is allowed and the return flow in the opposite direction is not possible. In line single-acting valves are of ball type with alignment guide made of composite high resistance material which allows a total passage and an excellent resistance to the use and the breaking strength, confirmed by numerous tough tests. They are available with two different cracking pressure (0,35 standard e 4.5 bar).

Materials

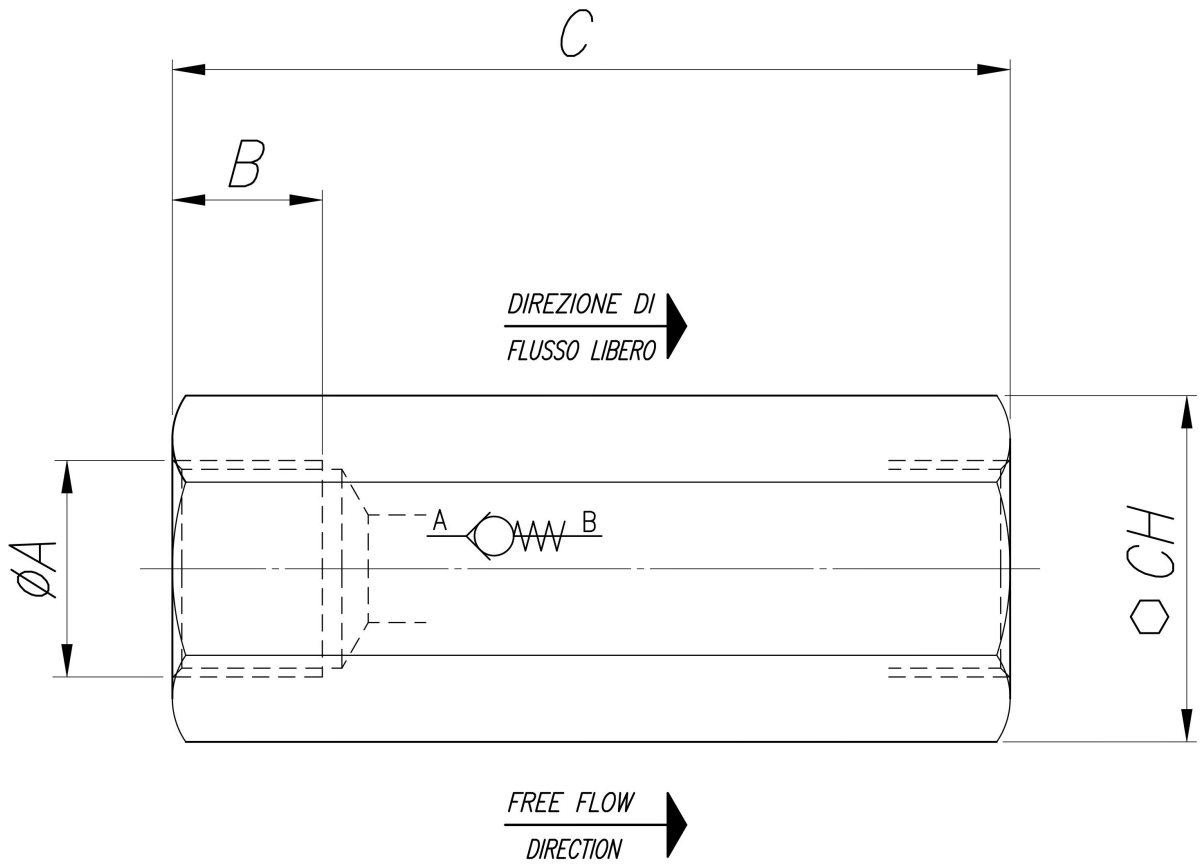
CORPO VALVOLA / BODY VALVE	Acciaio/Steel 11 S Mn Pb 37-UNI EN 10087
MOLLA / SPRING	Acciaio/Steel AISI 302
SFERA / BALL	UNI 100 C6 - EN ISO 683-17
GUIDA SFERA / BALL GUIDE	Nylon 66 + Fibra carbonio

Technical data

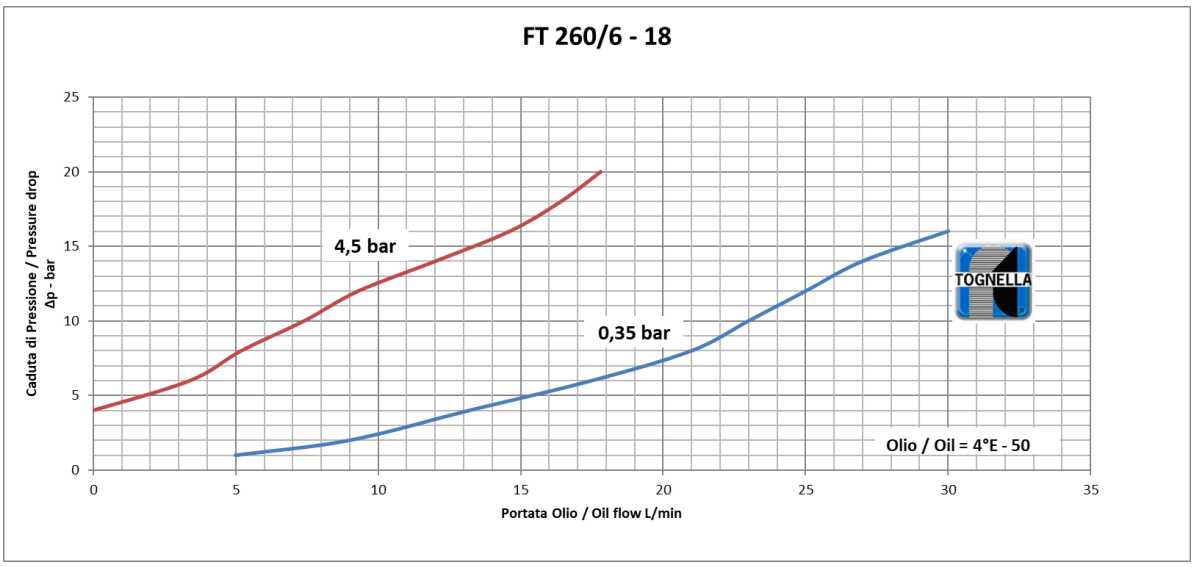
TIPO / TYPE	PRESSIONE ESERCIZIO BAR / WORKING PRESSURE BAR	MIN. PRESSIONE SCOPPIO BAR / MIN. BURSTING PRESSURE BAR	TEMPERATURA ESERCIZIO / WORKING TEMPERATURE	GRADO DI FILTRAZIONE µm / FILTRATION GRADE µm
18	400	1600	-20°C/+100°C	25
14	400	1600	-20°C/+100°C	25
38	400	1600	-20°C/+100°C	25
12	400	1600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

Dimensional tables and drawings

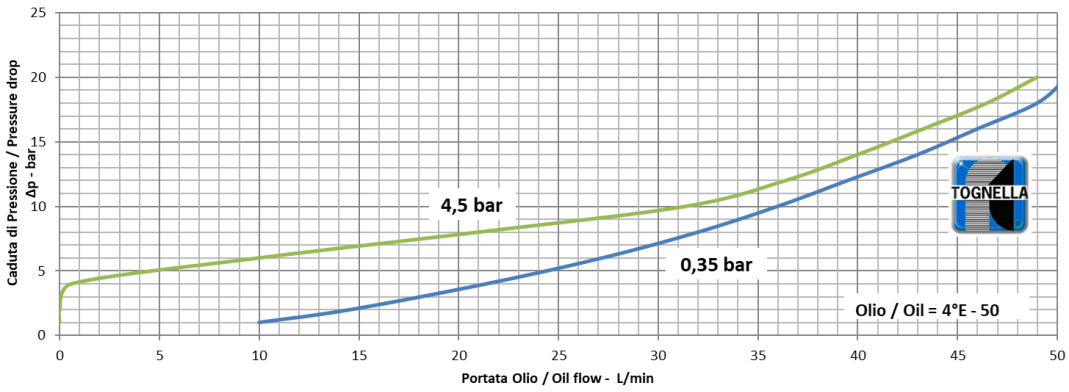
TIPO / TYPE	A UNI 338	B	C	CH	PESO / WEIGHT KG
18	1/8" G	8,5	41	16	0,054
14	1/4" G	12,5	54	19	0,089
38	3/8" G	13	65	24	0,175
12	1/2" G	16	77	30	0,310
34	3/4" G	20	88	36	0,450
100	1" G	23	108,5	46	0,965



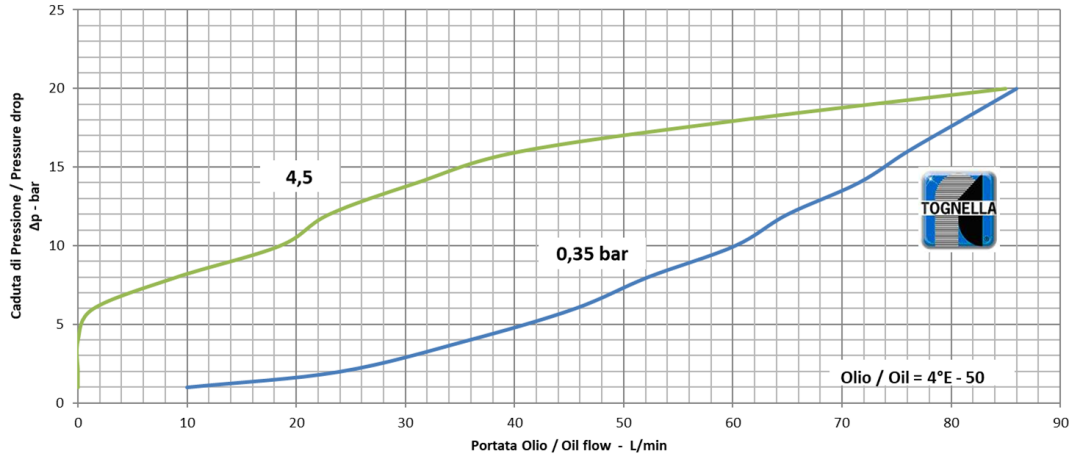
Flow rate curves



FT 260/6 - 14



FT 260/6 - 38



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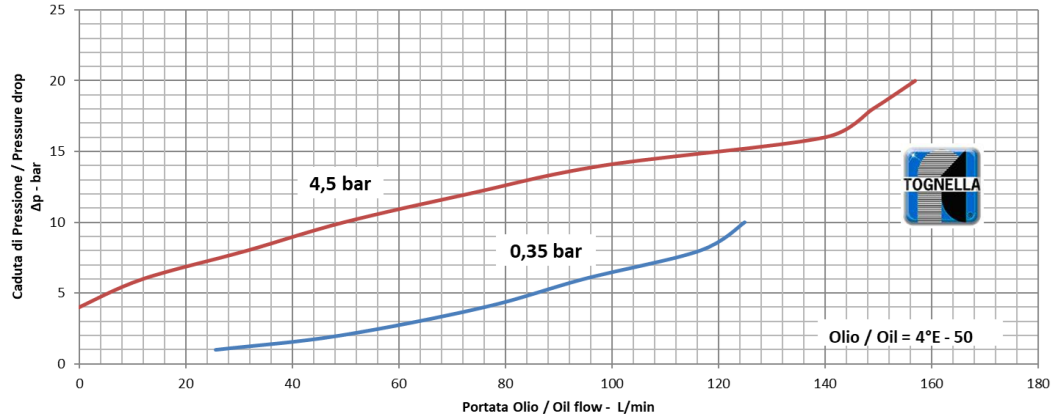
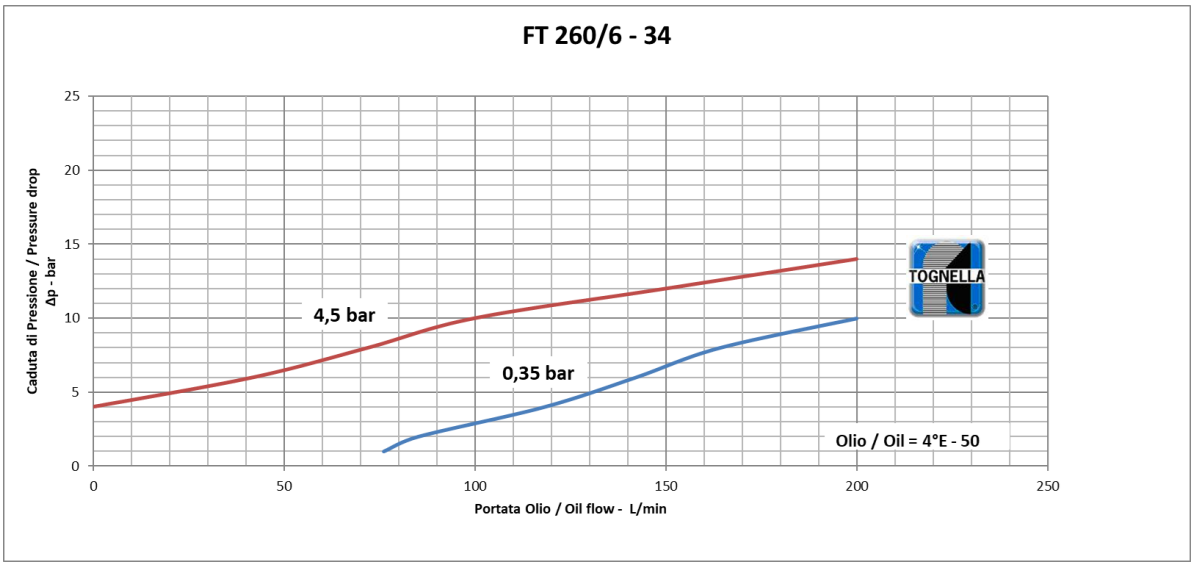
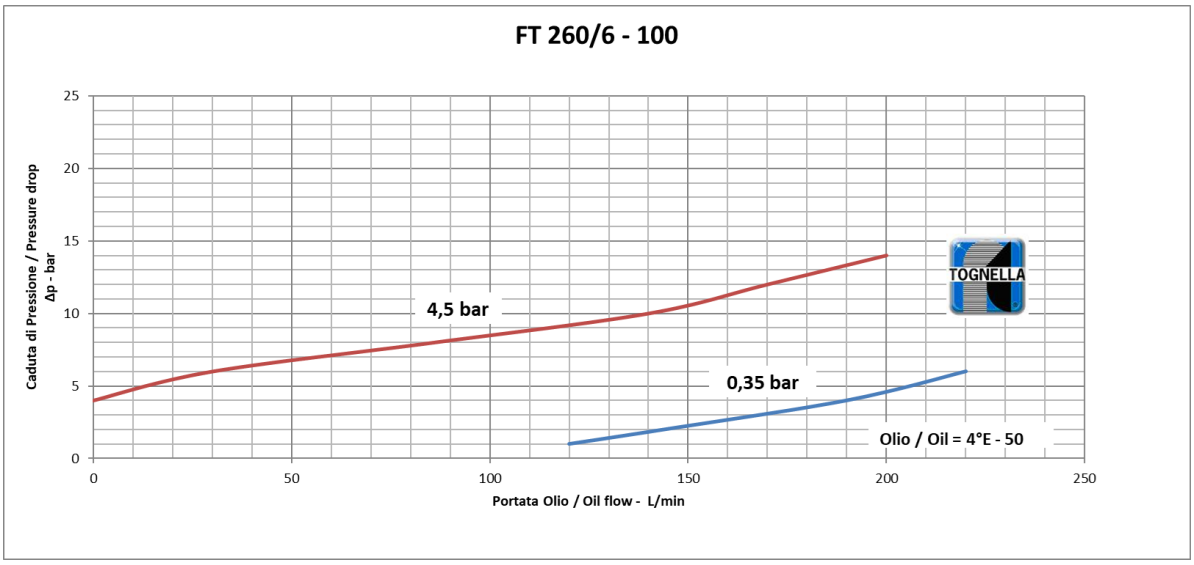



FT 260/6 - 34
Caduta di Pressione / Pressure drop
Δp - bar
25
20
15
10
5
0
0
50
100
150
200
250
Portata Olio / Oil flow - L/min
4,5 bar
0,35 bar
Olio / Oil = 4°E - 50
TOGNELLA


FT 260/6 - 100
Caduta di Pressione / Pressure drop
Δp - bar
25
20
15
10
5
0
0
50
100
150
200
250
Portata Olio / Oil flow - L/min
4,5 bar
0,35 bar
Olio / Oil = 4°E - 50
TOGNELLA