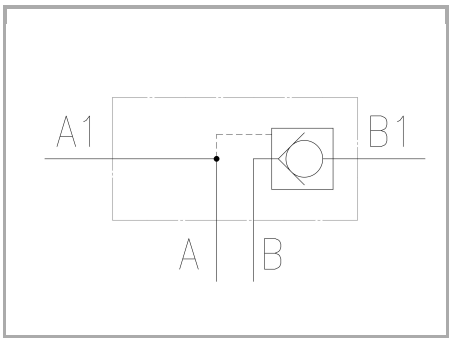
In line carbon steel single-pilot check valves

FT 257/9

In line single-pilot check valves available from 1/4" t 1/2" bsp, Max. working pressure 400 Bar, oil flow rate up to 140 t./min. (depending on the size)

In line
Pilot control
Carbon steel



Technical information

Technical description

Belonging to the same range of the in line single-acting valves, except that, thanks to a specific signal of pilot operated pressure, they allow the valve to open in the usually flow direction. The high level of pilot ratio, realized in the design phase, enables rapid and complete opening for the whole duration of the desired cycle. The construction material used for the seal pistons, the hardened treatment undergone, as well as the finish-grinding guarantee a perfect seal even in particularly heavy working conditions. Applications: The above mentioned valves are generally used for blocking work circuits under pressure, such as security against falling loads in the event of pipe braking or against undesired movements of hydraulicaly locked loads.

Materials

CORPO VALVOLA / BODY VALVE	Acciaio/Steel 11 S Mn Pb 37-UNI EN 10087
VALVOLA DI RITEGNO / CHECK VALVE	Acciaio/Steel 39 Ni Cr Mo 3-UNI EN 10083
MOLLA / SPRING	Acciaio/Steel C 85-UNI EN 10089

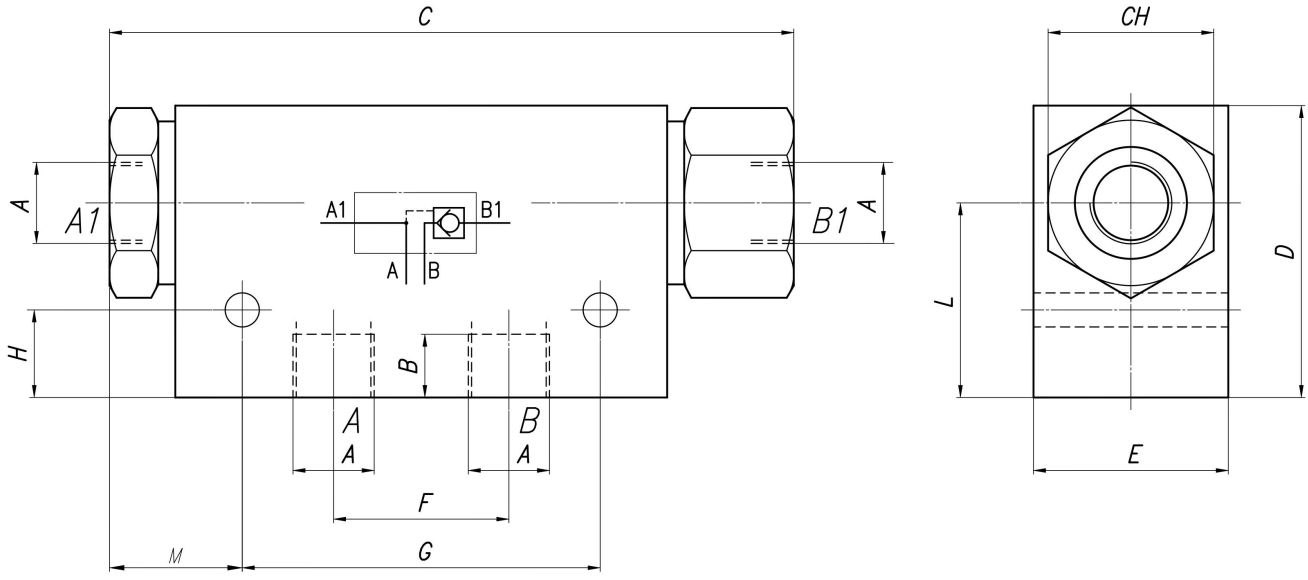
Technical data

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	RAPPORTO DI PILOTAGGIO / PILOT RATIO	MIN. PRESSIONE DI APERTURA BAR / MIN. OPENING PRESSURE BAR
14	400	1600	-20°C/+100°C	25	1-7,6	0,5
38	400	1600	-20°C/+100°C	25	1-7,0	0,5
12	400	1600	-20°C/+100°C	25	1-7,4	0,5

Dimensional tables and drawings

TIPO / TYPE	A UNI 338	B	C	D	E	F	G
14	1/4" G	12,5	115	45	35	27	60
38	3/8" G	12,5	140,5	60	40	36	73,5
12	1/2" G	15,5	173,5	65	50	46	94

TIPO / TYPE	H	L	M	CH	VITI / SCREWS	PESO / WEIGHT KG
14	10	29	22	28	M6x45	1,016
38	18	40	27,25	34	M6x50	1,860
12	15	40	30	41	M6x60	3,100



Flow rate curves