

CETOP-03 SIZE, DIRECT OPERATED, SOLENOID POPPET TYPE VALVE



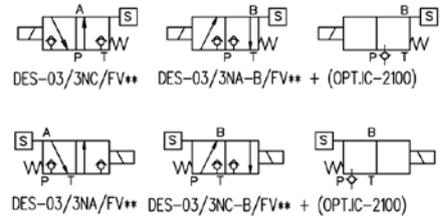
Characteristics

TYPE	P-MAX PRESSURE	T-MAX PRESSURE	MAX FLOW RECOMMENDED	WEIGHT
DES-03	350 bar	210 bar	30 l/min	1.6 Kg.

Description

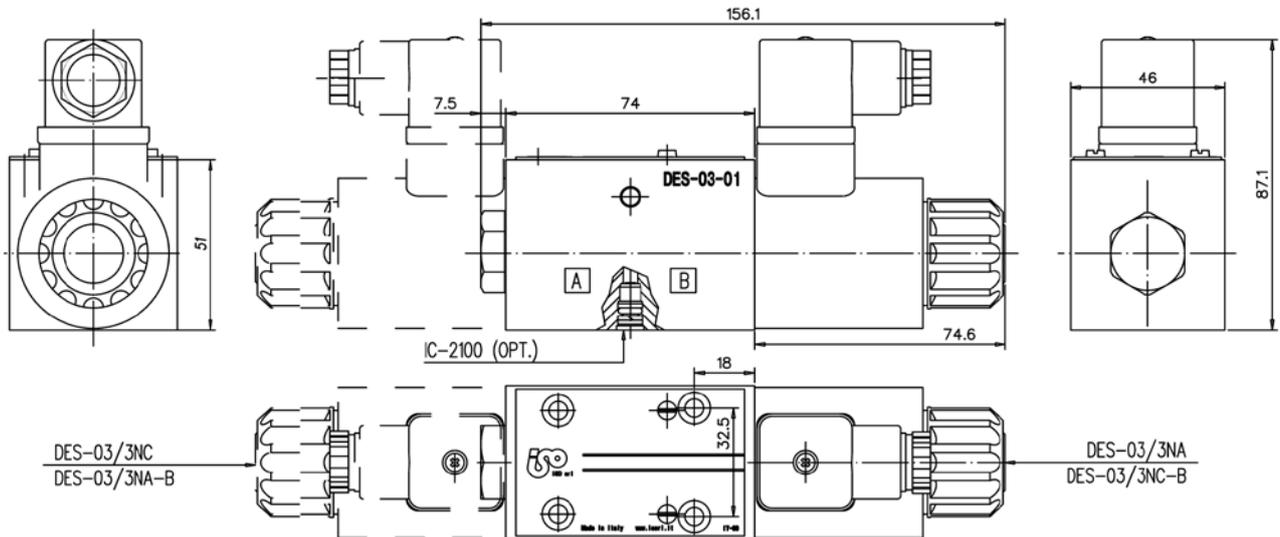
3 way directional solenoid poppet type valve, direct operated, for CETOP 03 plate-mounting. This valve is studied for hydraulic circuits application, where leakage free is strictly required, thanks to the poppet execution combined with fine mechanical manufacturing. The perfect hydraulic balance makes the switching easy also with high pressures on ports.

Symbol



N°4 Viti TCEI M5x45

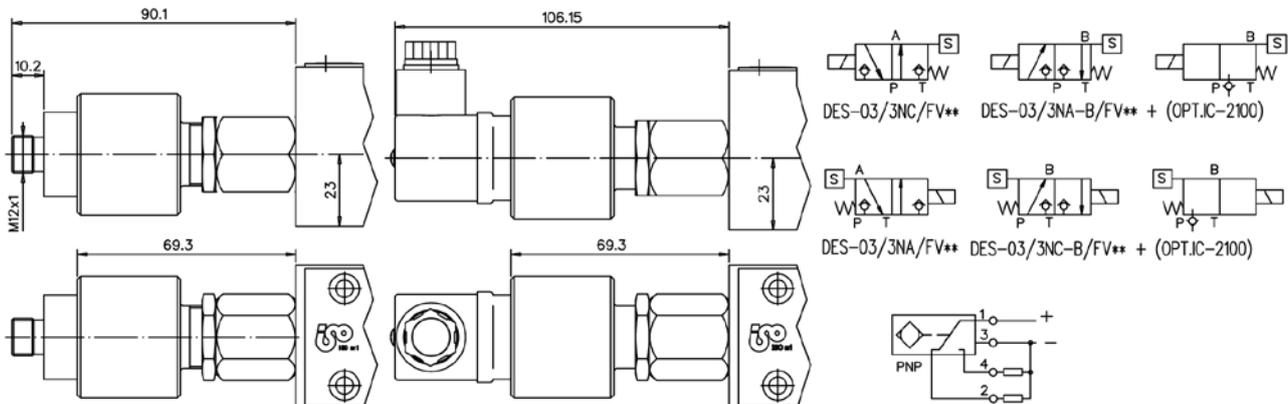
Dimensions



(/FV-M)

(/FV)

Symbol



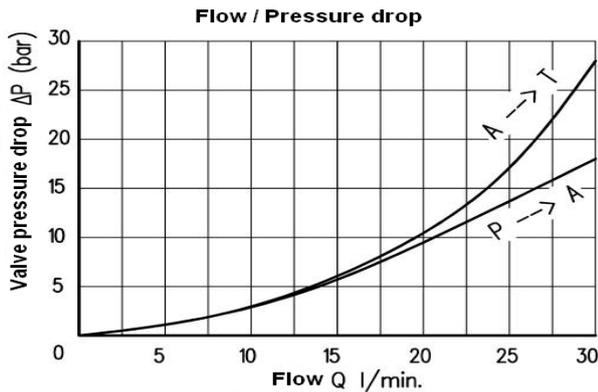
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Installation rules

- The valves type DES can be mounted in any position. It is possible to orient the electric connector of coil in three positions: at 90° degree one from the other.
- Fluid to be used: hydraulic oil in compliance with DIN 51524 rules, viscosity between 30 and 100 mm²/s (cSt) at 40°C
- Recommended filtration: 25μ
- Hydraulic fluid temperature: from -20° to +75°C

Diagram



Electric characteristics

INDUCTIVE POSITION SWITCH	
Rated voltage (V)	24 DC
Output	400 mA max
Temperature range (° C)	-20+ 80
Connector protection degree	IP-65 (with connectors DIN 43650A)
Static Oil pressure (Mpa)	31.5

Coils for direct current (values ± 10%)

	Nominal voltage (V)	Resistance a 20°C (Ω)	Current consumpt. (A)	Power consumpt (W)
12DC	12	4.4	2.72	32.7
24DC	24	18.6	1.29	31
28DC	28	26	1.11	31
48DC	48	78.6	0.61	29.5
110DC	110	436	0.26	28.2
220DC	220	1758	0.13	28.2

Ordering code

DES-03/3	****	- ***** ** **
Direct operated, solenoid poppet type valve : DES-03/3 Connection : NA = Output port "A" connected to tank with de-energized solenoid NC = Output port "A" connected to P with de-energized solenoid NA-B = Output port "B" connected to tank with de-energized solenoid NC-B = Output port "B" connected to P with de-energized solenoid	(IC-2100) Check valve on "P" port to be ordered separately	
Supply voltage : 12DC = 12DC 24DC = 24DC 28DC = 28DC 48DC = 48DC 110DC = 110DC 220DC = 220DC		
Sensor: -FV = Proximity sensor (Otherwise omit it)		
Proximity connector: -M = Metric M12x1 4-pin		
Seals material: If omitted = NBR (standard) /F = FKM /E = EPDM		