CETOP 3 VALVE

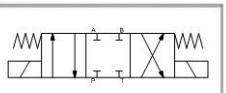
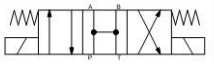
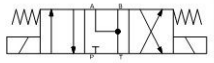
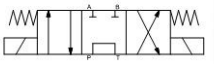
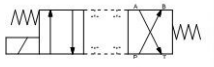
Technical Specification

Specification		CETOP 3	CETOP 5
Working pressure (MPa)	Oil ports P、A、B	31.5	31.5
	Oil ports T	10	10
Max. Flow (L/min)		80	120
Working fluid		Mineral oil;phosphate-ester	
Fluid temp. (℃)		-20~70	
Viscosity (mm^2/s)		2.8~100	
Working voltage (V)	DC	12	24
	AC	110V/50Hz	220V/50Hz
Max.Switch frequency (T/h)		15000 (DC)	7200 (AC)
Insulation grade		IP65	

Weight (kg)					
Single solenoid	1.45(DC)	1.4(AC)	5.1(DC)	4.3(AC)
Double solenoids	1.95(DC)	1.9(AC)	6.7(DC)	5.1(AC)

Cleanliness	The maximum allowable cleanliness of the oil should be according to 9th degree of Standard NAS1638.It is suggested that the minimum filter rating should be β 10≥75.

Code Symbol

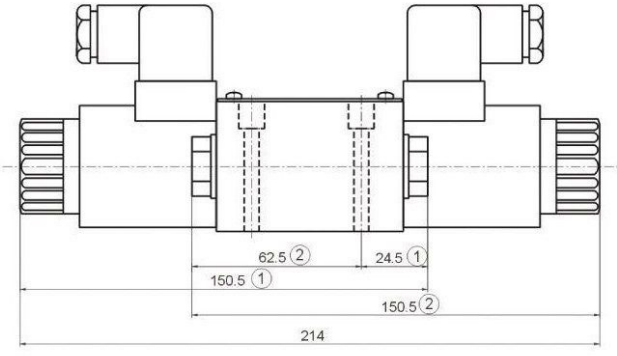
E	
H	
J	
G	
D	

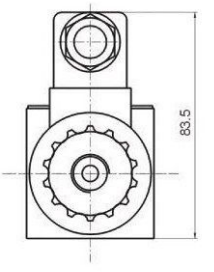
Model Description

PMC3 – * – * – Z5L

- PMC3 – CETOP 3 Valve
- * – Function Code
  Details as following symbol table
- * – Working Voltage
  12DC - DC 12V
  24DC - DC 24V
- Z5L – Square connector with light

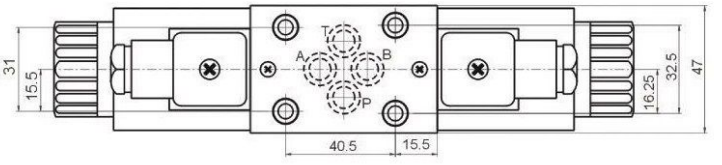
External Dimensions





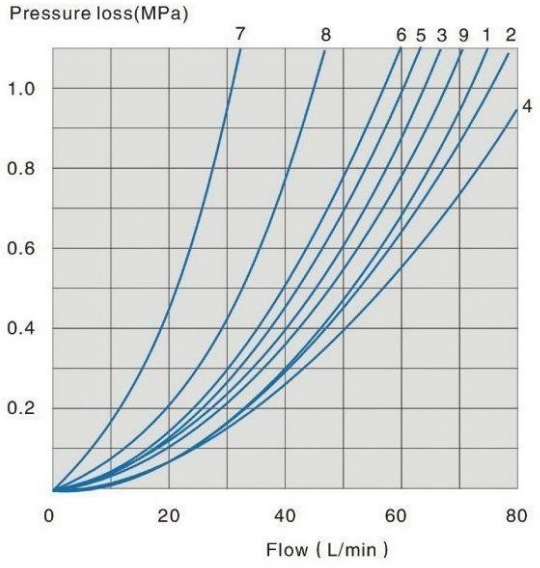
① ②

Two positions Electrical
operated directional control valve



CETOP 3 VALVE

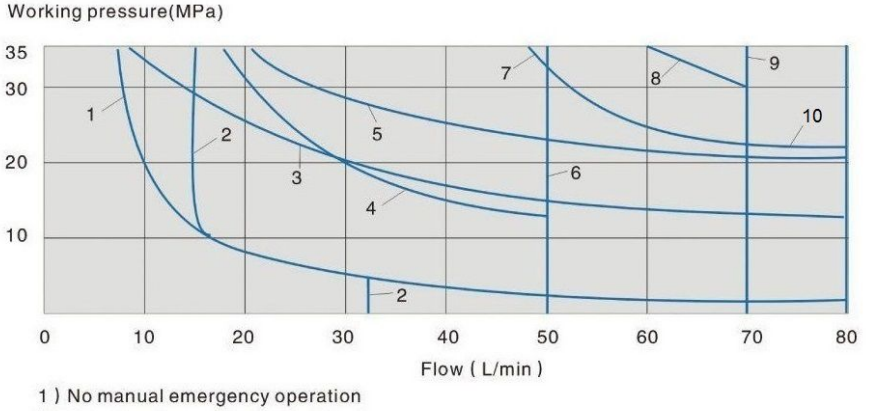
Specification Performance curve (Measured at υ =41mm²/s and t=50℃)



Function code	Direction			
	P→A	P→B	A→T	B→T
D	5	5	3	3
E	3	3	1	1
H	2	4	2	2
J	1	1	2	1
G	6	6	9	9

Specification Working limits (The working limits for directional valves have determined by using solenoids at their operating temperature, 10% under voltage and with no pre-loading of the tank)

With regard to the four-way valve, the normal flow data as shown is get from the regular use of two directions of the flow (e.g.P to A,and simultaneous return flow from B to T). See tables. If only one flow direction is needed, for example: When a four port valve which is closed up port A or port B, used as a three-way valve, the Maximum flow may be very small in the serious condition.



DC	
Curve	Symbol
5	J
6	H G
8	D
10	E

1) No manual emergency operation

2) Oil return from actuator to oil tank