

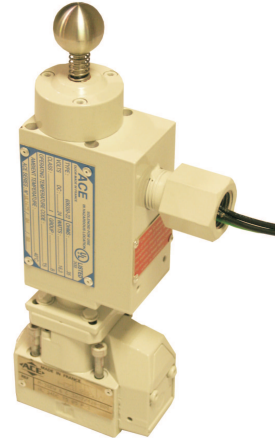
CARACTERISTICS

Hydraulic :

Cetop 3.
Maximum service pressure : 250 Bar.
Nominal flow max. : 11 l/mn.
4 hydraulic symbols : 4/2 et 3/2.
No leakage inside.
With or without pushbutton.

Electric :

Protection index : IP 66 / NEMA 4X
Standards : USANEC NFPA 70, Class I, Div. 1-2, Group B.
Temperature range : T5.



M-3 SEW6 C 3X / 420 / UL 24-DC-T5 05 P

DESCRIPTION OF FUNCTION

Operated check valve type SEW6, are solenoid operated directional ball valves. They control start stop and direction of oil flow.

The valves basically consist of the housing (1), one solenoid (2) seat-valve unit (3), hardened steel ball (4). The force of the solenoid (2) acts via the lever (6) on the check (7) and on the control push (8).

The filter in alimentation protect the check valve from too much clog.

The spring (9) lock the check on the valve seat in neutral position from the solenoid (2) in work position.

VALVE 3/2 :

Symbol U valve with 1 check :

- neutral position : flow from P to A, T locked without leakage.
- work position : flow from A to T, P locked without leakage.

Symbol C valve with 2 checks

- neutral position: flow from A to T, P locked without leakage
- work position: flow from P to A, T locked without leakage.

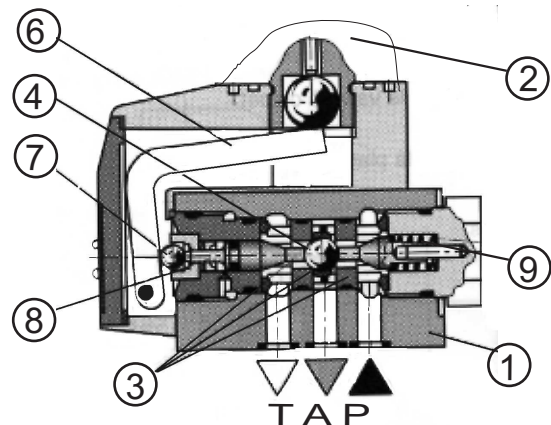
VALVE 4/2 :

Symbol D :

3/2 valve symbol U with 1 check and with plus 1 plate.

Symbol Y :

3/2 valve symbol C with 2 checks and with plus 1 plate.



GENERALITY

Direct current solenoid (1) its mechanical impact strength is approved by the CENELEC for explosion proof equipment.

Insulation to IP 66, it can work in tropical climates.

Direct current solenoid has the advantages of :

- slow movement of the control spool.
- energized maintenance of the control valve in intermediary position, is not detrimental to the solenoid.

The solenoid housing can be oriented in steps of 90° on hydraulic valve.

ELECTRIC CONNECTION

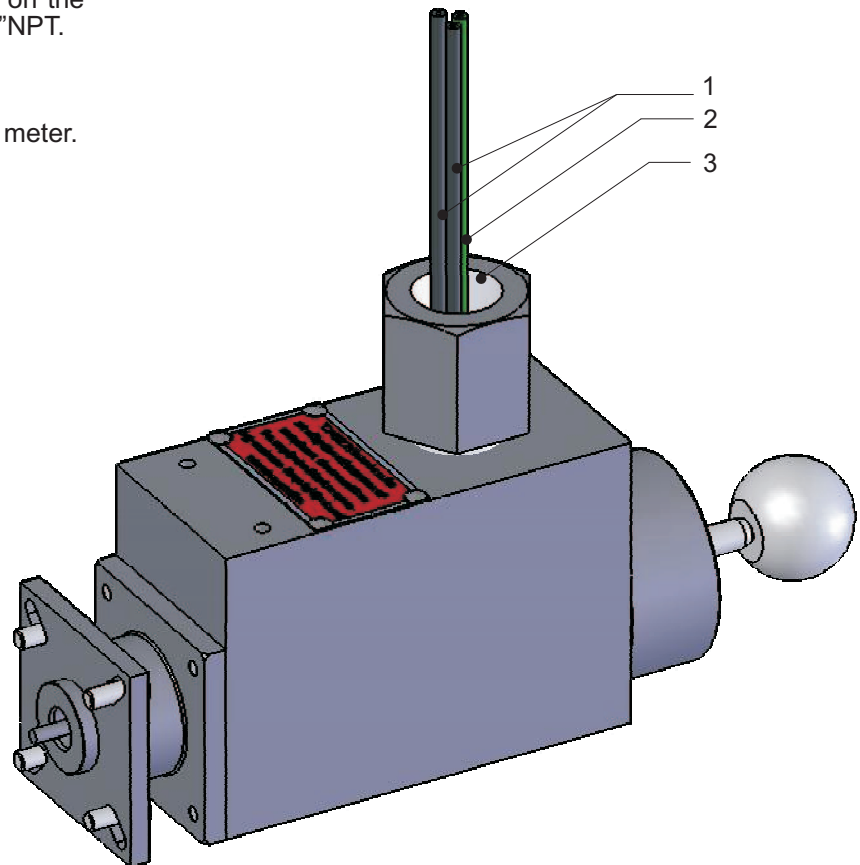
An explosion proof connexion can be made on the solenoid housing by rigid conduit threaded 1/2"NPT.

Seal integrated in the housing.

The lead wire (1) length normally supplied is 1,5 meter.

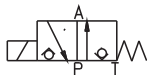
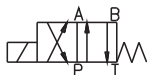
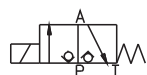
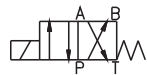
Active lead wire (1), Earth lead wire (2).

Threaded hole 1/2"NPT (3).



CARACTERISTICS

HYDRAULIC

Maximum operating pressure : Ports A, B, P.	Bar	Up to ... 250
Maximum operating pressure : Port T.	Bar	Up to ... 100
Maximum flow	L/Mn	(see operating curves of pressure drop page 8)
Hydraulic fluid	.	Mineral oils
Viscosity range	mm ² /s	1380
Fluid temperature range	(°C)	-30°+70
Weight :	- valve without plate (Kg) - valve with plate (Kg)	4.0 4.4
Mounting position :		Optional Optional
Standard symbol :	- 2 ports	 U
	- 3 ports	 D
		 C
		 Y

ELECTRICAL

Continous voltages available.	V/DC			24									
Temperature range with ambiente 40°C.	T			T5									
Power requirement.	VA			16,4									
Protection index.		IP 66 / Tropicalised - NEMA 4X											
Duty cycle.		100 %											
Maximum coil temperature.	(°C).	130°C											
Outlet connection		1/2"NPT											

STANDARD

National electrical code	NEC NFPA 70
Approval number Underwriters Laboratories®	UL® LISTED 34X6
File Number	E 119 438 (N)

REFERENCES

- SEW6 - - 3X / 420

Mineral Oil

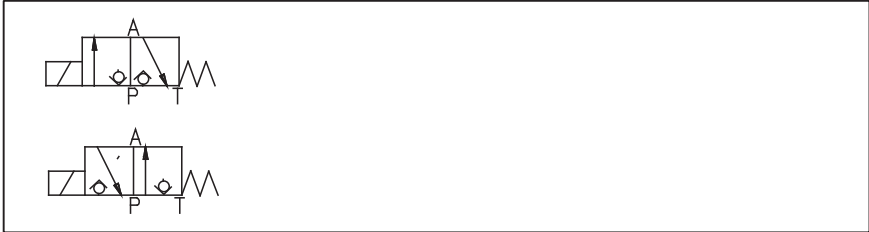
M

3/2 switching position symbol C & U

3

4/2 switching position symbol D & Y

4



C
U



Y
D

Serie number 30 to 39

3X

Hydraulic Housing serie

420

For use when the flow is greater than the valve capacity, fitted in P line.

- Throttle Ø 0.8 MM : **B08**
- Throttle Ø 1.2 MM : **B12**
- Throttle Ø 1.5 MM : **B15**
- Throttle Ø 1.8 MM : **B18**
- Throttle Ø 2.0 MM : **B20**
- Throttle Ø 2.2 MM : **B22**

Without check valve
With check valve

P

UL - - - - -

3 No code : Wires length 1.5 meter
Wires length 3 meters

P No code : Without control
With control pushbutton

05 Connection on body in 1/2" NPT
The lead wires length normally supplied is 1,5 Meter.

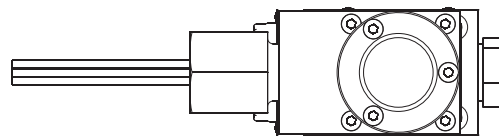
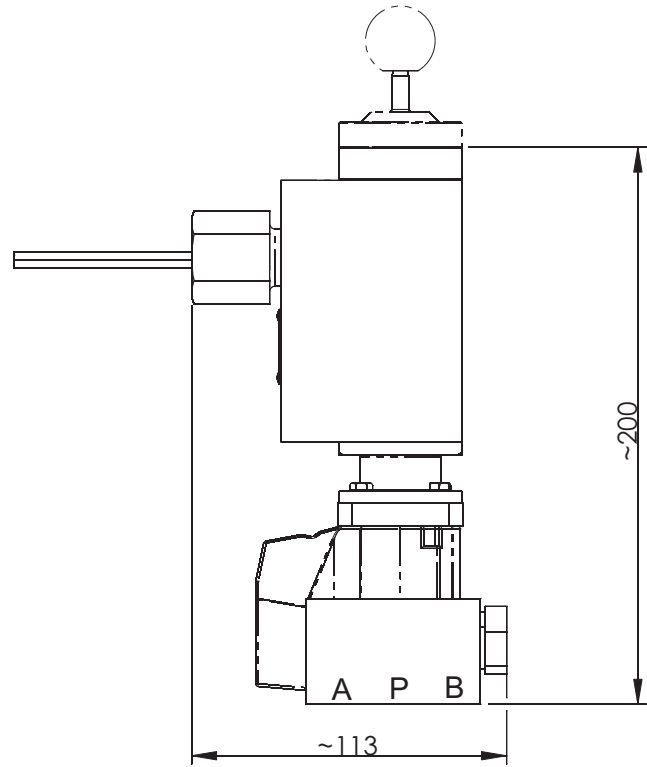
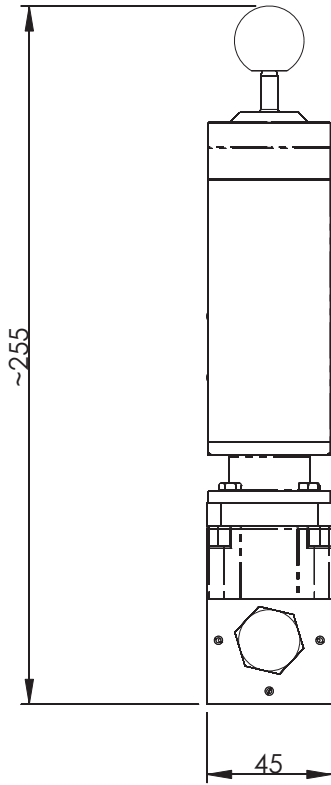
T5 Temperature range.

DC Direct curent (*Only*)

24 Voltage.

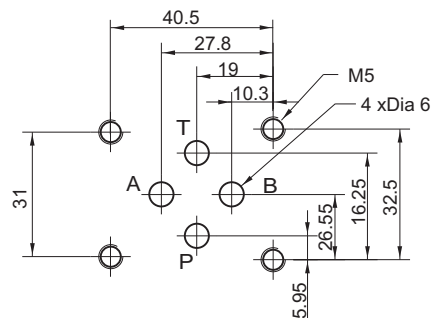
UL Solenoid conforme to the american standard for use in hazardous locations (UL1002).

DIMENSIONS



HYDRAULIC VALVE CONNECTION

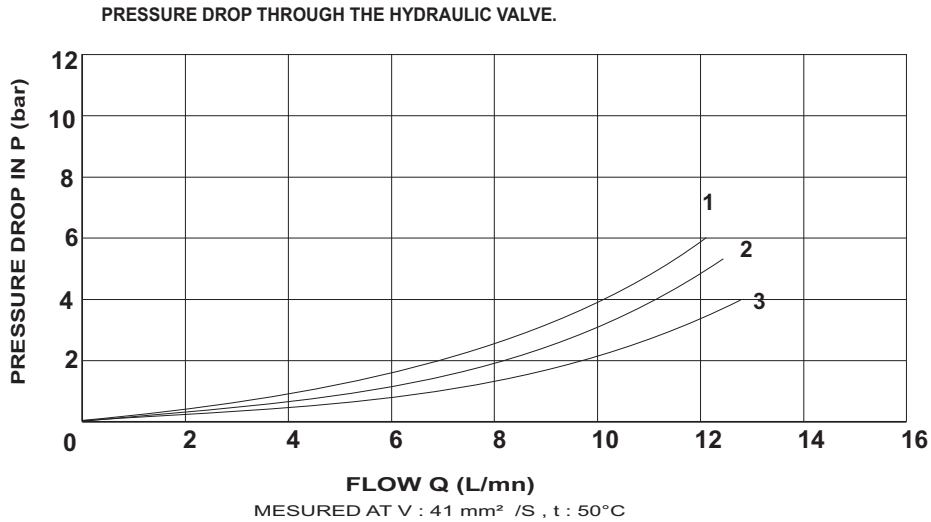
HYDRAULIC VALVE
CONNECTION
SIZE 6 TYPE CETOP 3



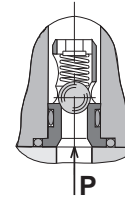
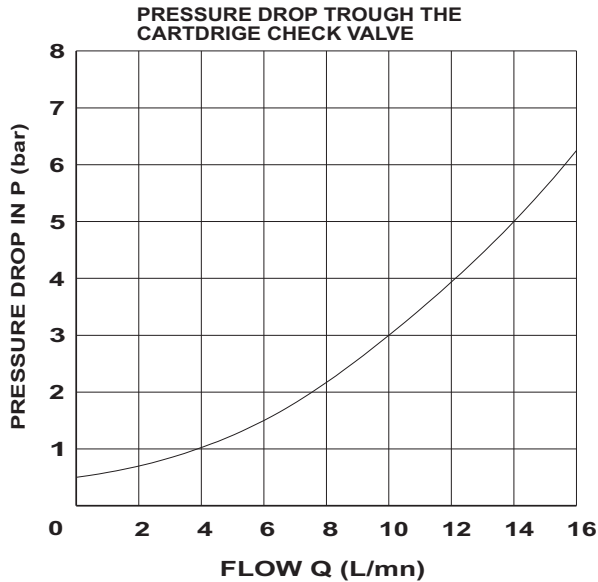
CURVES OF PRESSURE DROP

VALVES 3 And 4 PORTS - 2 POSITIONS

- 1 : M-3SEW6 U or C , A to T
- 2 : M-3SEW6 U , P to A
- 3 : M-3SEW6 C , P to A



CARTDRIGE CHECK VALVE



CARTDRIGE CHECK VALVE

For the valves 3/2 the cartridge is inserted in port P of the check valve.

For the valves 4/2 the cartridge is inserted in port P of the plate N+1.

CARTRIDGE THROTTLE

CARTRIDGE THROTTLE :

For use when the flow is greater than the valve capacity, fitted in P line.

For the valves 3/2 the cartridge is inserted in port P of the check valve.

For the valves 4/2 the cartridge is inserted in port P of the plate N+1.

