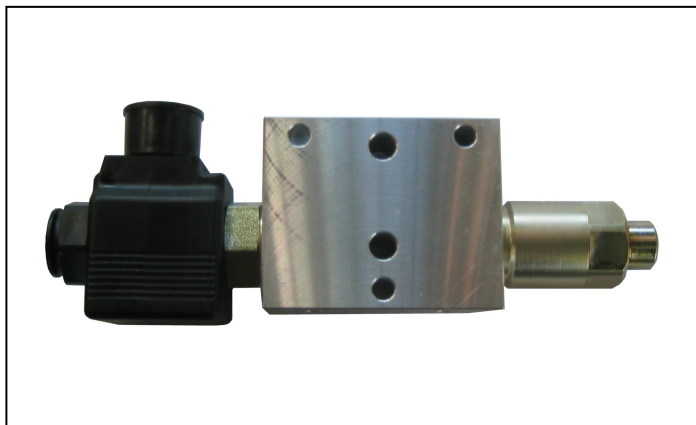
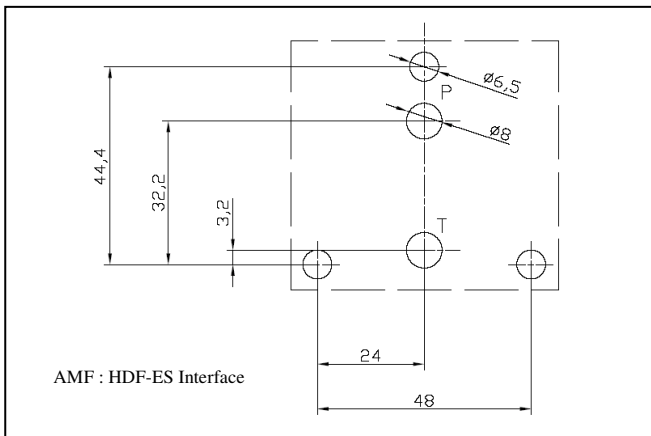
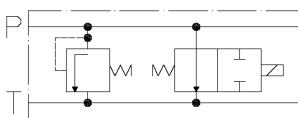


Stackable Valves AMF Pressure Relief Combined With Electric By-pass Type AMF-MOP/*-EV2*

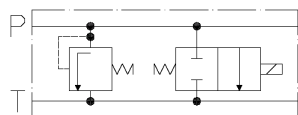


FUNCTIONAL SYMBOLS

AMF-MOP/(*)-EV2O



AMF-MOP/(*)-EV2C



DESCRIPTION OF AMF-MOP/*-EV2O

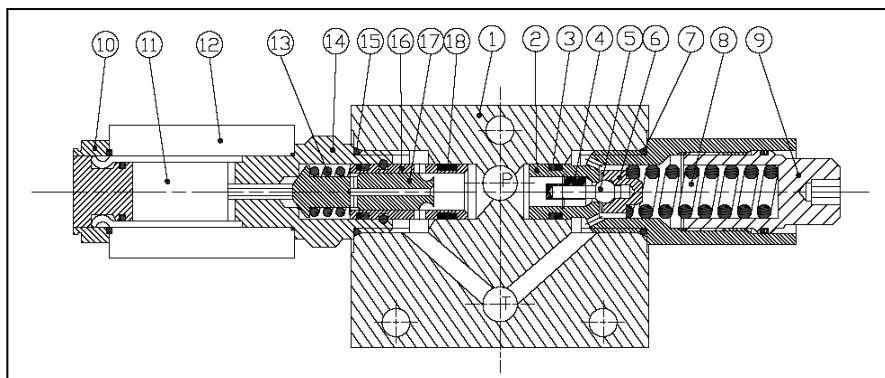
Fluid flows freely from P line to T line
The spool 17 is normally kept open by spring 13. When the solenoid 12 is energized, the mobile armature 11 overcomes the force of spring 13 and moves spool 17 thus closing passage between P and T.

When on line P the pressure exceeds the settled value, the piston 5 is pushed by axial hydraulic forces, overcomes the force of spring 8 and shifts in its cylindrical seat and opens to the pressurized fluid annular passage to T, thus keeping the pressure level at the requested value.

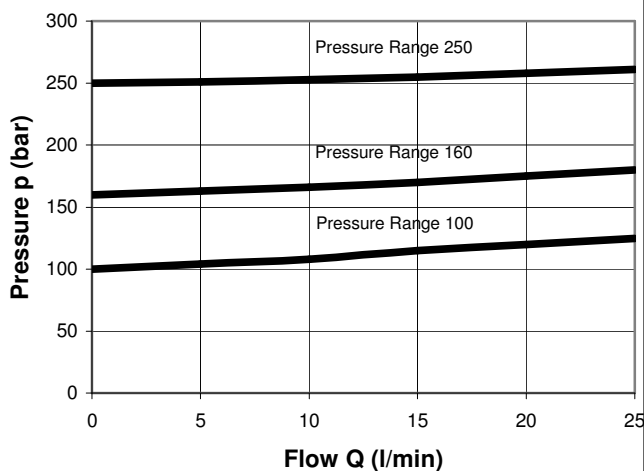
HOW TO READ MODEL CODE FOR VALVES AMF-MOP/*-EV2*

AMF - MOP / (10) - EV2(O) - * - (012C) / 10
(1) (2) (3) (4) (5) (6) (7)

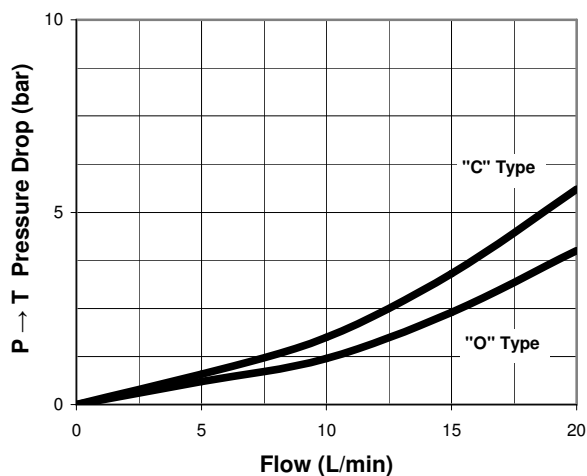
- (1) AMF : module stackable with 4 way solenoid valve type HDF-ES
- (2) MOP : pressure relief on P line
- (3) (10) : pressure adjustment ranges
10 : from 32 to 100 bar
16 : from 63 to 160 bar
25 : from 100 to 250 bar
- (4) EV2(O) : spool type 2/2 by-pass solenoid operated valve
EV2O : normally open
EV2C : normally closed
- (5) * : code reserved for options and variants
- (6) (012C) : electric voltage and solenoid coils
0000 : no coil
012C : coil for V12DC
024C : coil for V24DC
220R : coil for V220-230 RAC
- (7) * : design number (progressive) of the valves



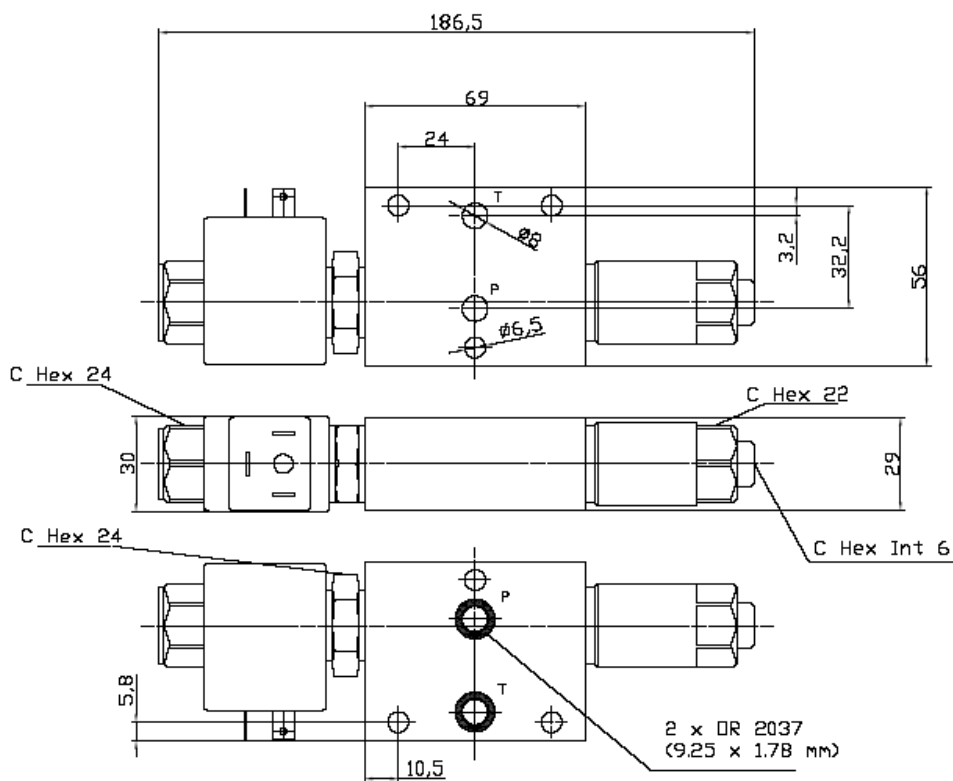
TYPICAL DIAGRAMS OF PRESSURE RELIEF VALVE



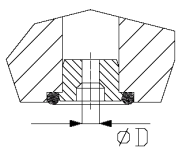
TYPICAL DIAGRAMS OF ELECTRIC BY-PASS VALVE



INSTALLATION DIMENSIONS



Available for P and T lines "section reducer" with O ring



D (mm)	CODE
1,0	3S-10
1,5	3S-15
2,0	3S-20
2,5	3S-25

All dimensions are mm

DATA AND OPERATING LIMITS

Maximum flow rate	20 l/min
Maximum nominal pressure	25 MPa (250 bar)

ADJUSTMENT OF THE RELIEF PRESSURE

Relief pressure is reached when the axial hydraulic forces on piston 5 equal the force on spring 8; the value of the relief pressure can be therefore changed, within the range, by changing the compression of spring 8.

To increase the relief pressure, turn clock wise the adjustment nut 9.

HYDRAULIC FLUIDS

Seals and materials used on standard valve AMF are fully compatible with hydraulic fluids of mineral base, upgraded with antifoaming agents.

The hydraulic fluid must be kept clean and filtered to ISO 4406 class 21/18/15, or better, and used in a recommended viscosity range from 10 cSt to 60 cSt.