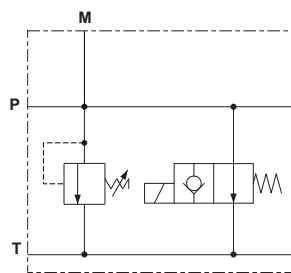


## INLET MODULE UNITS WITH SIDE PORTS, PRESSURE RELIEF VALVE AND ELECTRICAL VENTING VALVE



Connector to be ordered separately, see page 103.

### HYDRAULIC SYMBOL



### ORDERING CODE

<b>FE10</b>	Inlet module unit with pressure relief valve
<b>PS</b>	Electric venting valve and side ports
<b>3</b>	Size
<b>*</b>	Port sizes: <b>1</b> = G3/8"
<b>*</b>	Adjustment: <b>M</b> = Plastic knob <b>C</b> = Grub screw
<b>*</b>	Setting ranges <b>1</b> = max. 50 bar (white spring) <b>2</b> = max. 150 bar (yellow spring) <b>3</b> = max. 320 bar** (green spring)
<b>*</b>	Voltage for the electric venting valve (Tab. 1)
<b>**</b>	<b>S1</b> = No variants <b>SV</b> = Viton <b>PY</b> = Push button emergency (see page 22) <b>PS</b> = Rotary emergency (see page 22) <b>AJ</b> = AMP Junior connection (see page 104) <b>CX</b> = Deutsch connection with bidirectional diode (see page 104)
<b>2</b>	Serial No.

(\*\*) Setting referred to the maximum pressure reached from the relief valve. Do not exceed the maximum working pressure 250 bar.

Inlet module units FE10PS with side ports, CMP10 adjustable pressure relief valve and electrical venting valve CRP0418NA normally open supplied with emergency control.

- Manual adjustment with a grub screw or plastic knob.
- Threaded ports P-T sizes G3/8"
- Pressure gauge M, G1/4"
- Maximum flow 40 l/min.
- Aluminum body.

### FEATURES

Max. operating pressure	250 bar
Max. Flow	40 l/min
Hydraulic fluid	DIN 51524 Mineral oils
Fluid viscosity	10 ÷ 500 mm <sup>2</sup> /s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination level (filter β <sub>25</sub> ≥ 75)	ISO 4406:1999: class 21/19/16 NAS 1638: class 10
Weight	1.1 kg

#### Pressure relief valve (CMP10...)

Setting range (*):	
Spring 1	max 50 bar
Spring 2	max 150 bar
Spring 3	max 320 bar

#### Electrical venting valve (CRP04..NA..)

Max. excitation frequency	2 Hz
Duty cycle	100% ED
Type of protection (in relation to the connector used)	IP65

(\*) The minimum permissible setting pressure depending on the spring: see curves.

Tab.1 - Voltage - Coil 18W/22W (1)

<b>L</b>	12 VDC
<b>M</b>	24 VDC
<b>N</b>	48 VDC
<b>2</b>	21.6 VDC
<b>Z</b> (2)	102 VDC RAC
<b>X</b> (3)	205 VDC RAC
<b>W</b> (4)	Without coil

(1) Connector to be ordered separately, see page 103;  
Coils technical data, see page 104;

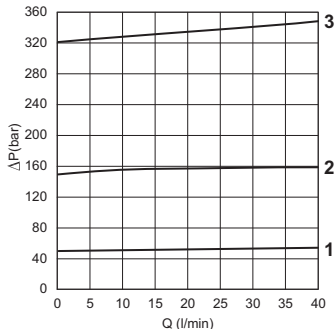
(2) With rectifier: 115 VAC/50Hz - 120 VAC/60Hz

(3) With rectifier: 230 VAC/50Hz - 240 VAC/60Hz

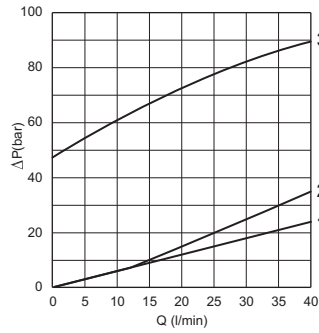
(4) Performance are guaranteed only using valves completed with coil

## DIAGRAMS - PRESSURE RELIEF VALVE

**PRESSURE-FLOW RATE**



**MIN.SETTING PRESSURE**

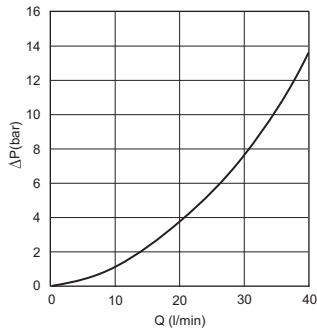


- 1 = max 50 bar
- 2 = max 150 bar
- 3 = max 320 bar

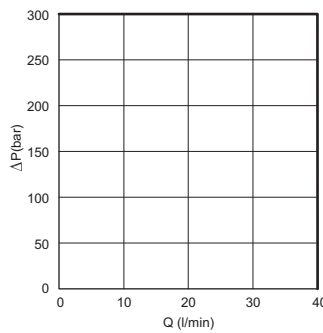
Fluid used: mineral based oil with viscosity 46 mm<sup>2</sup>/s at 40°C.

## DIAGRAMS - ELECTRICAL VENTING VALVE

**PRESSURE DROPS**

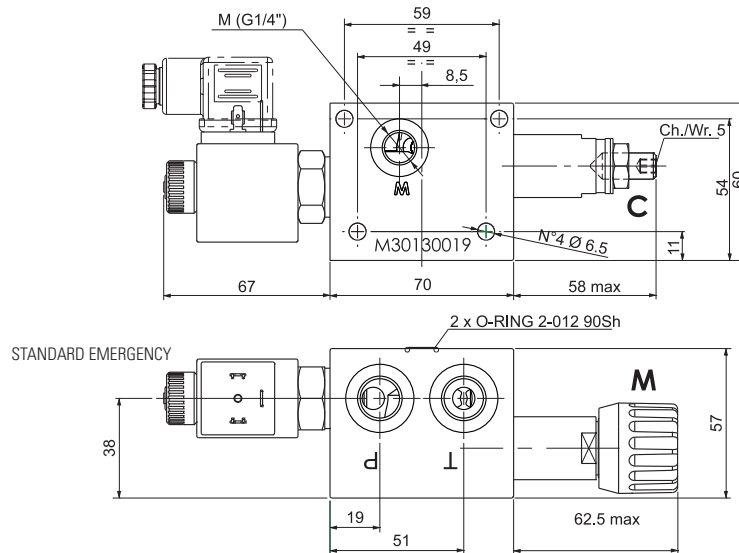


**LIMITS OF USE**



Fluid used: mineral based oil with viscosity 46 mm<sup>2</sup>/s at 40°C.

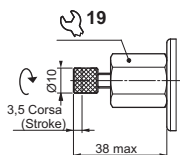
## OVERALL DIMENSIONS



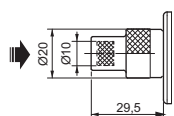
C = Grub screw  
M = Plastic knob

## VARIANTS

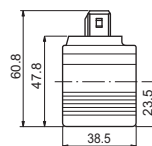
**"PS"**  
Emergency rotary



**"PY"**  
Emergency with push button



**"AJ"**  
AMP Junior



**"CX"**  
Deutsch with diode

