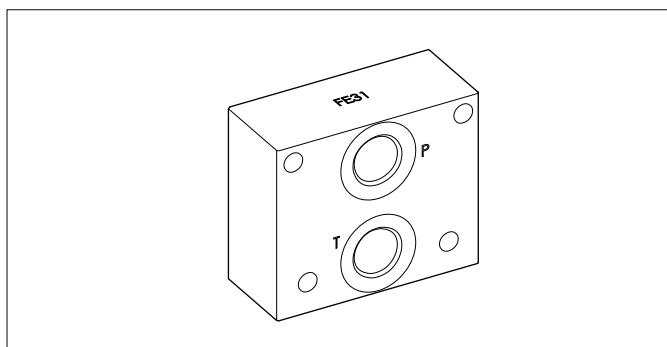
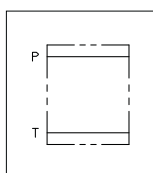


## INLET MODULE UNITS NO PRESSURE RELIEF VALVE



### HYDRAULIC SYMBOL



Module units FE no pressure relief valve.

The threaded ports (P and T) are available in two different sizes: G3/8" or 9/16"-18UNF. Aluminum body.

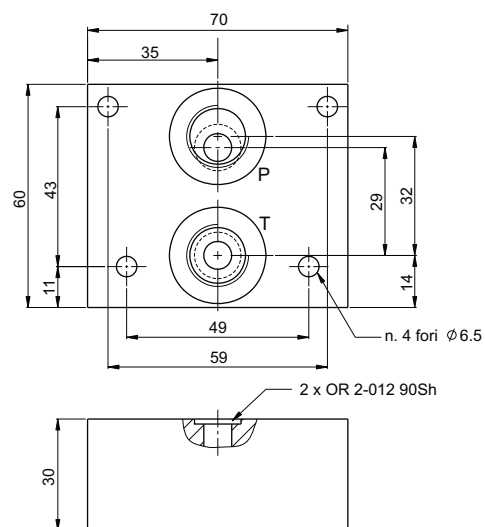
## FEATURES

Max. operating pressure	250 bar
Max. Flow	40 l/min
Hydraulic fluid	DIN 51524 Mineral oils
Fluid viscosity	10 ÷ 500 mm²/s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination level (filter $\beta_{25} \geq 75$ )	ISO 4406:1999: class 21/19/16 NAS 1638: class 10
Weight	0.3 kg

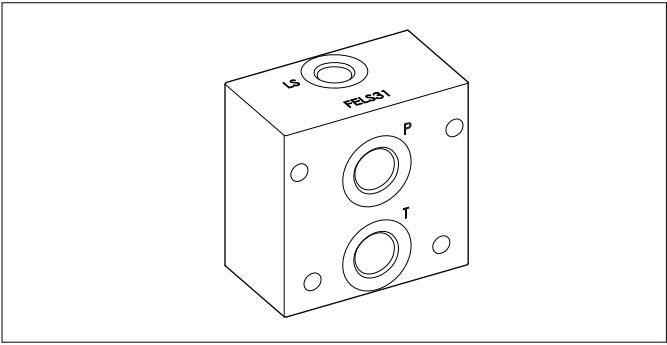
**ORDERING CODE**

FE	Inlet module unit no pressure relief valve
3	Size
*	Port sizes: <b>1</b> = G3/8" <b>2</b> = 9/16"-18UNF
**	<b>00</b> = No variant <b>V1</b> = Viton
2	Serial No.

## OVERALL DIMENSIONS



## INLET MODULE UNITS WITH LS LINE NO PRESSURE RELIEF VALVE

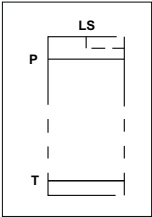


Module units FELS no pressure relief valve.  
Available with threaded ports (P and T) sizes G3/8" and LS size G1/4". Aluminum body.

### 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 $\beta_{25} \geq 75$ )	ISO 4406:1999: class 21/19/16 NAS 1638: class 10
Weight	0.3 kg

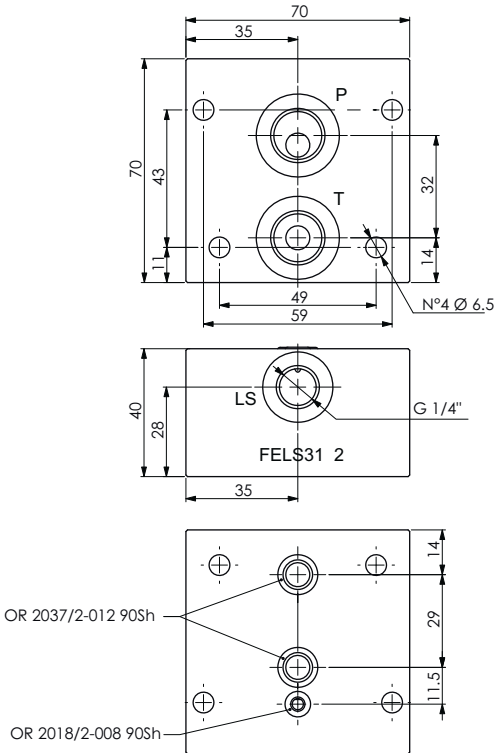
### HYDRAULIC SYMBOL



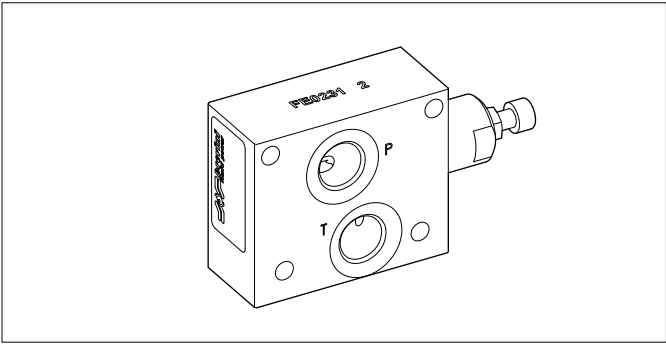
### ORDERING CODE

<b>FELS</b>	Inlet module unit no pressure relief valve with LS line
<b>3</b>	Size
<b>1</b>	Ports: <b>1</b> = G3/8" (P,T ports) G1/4" (LS port)
<b>**</b>	<b>00</b> = No variant <b>V1</b> = Viton
<b>2</b>	Serial No.

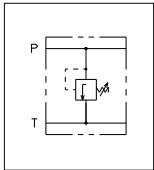
### OVERALL DIMENSIONS



## INLET MODULE UNITSWITH PRESSURE RELIEF VALVE (UP TO 20 L/MIN)



### HYDRAULIC SYMBOL



Module units FE02 provide pressure relief valve with adjustable pressure setting ranges (CMP02...). Manual adjustment is available by a grub screw. Maximum flow is 20 l/min. The threaded ports (P and T) are available in two different sizes: G3/8" or 9/16"-18UNF. Aluminum body.

### FEATURES

Max. operating pressure	250 bar
Max. Flow	20 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	0.4 kg

### Pressure relief valve (CMP02...)

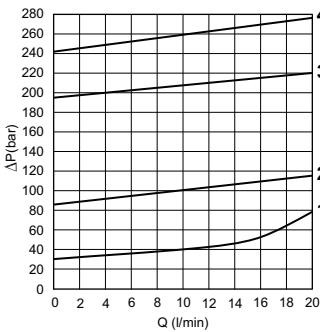
Setting range (*):	
Spring 1	max 30 bar
Spring 2	max 90 bar
Spring 3	max 180 bar
Spring 4	max 250 bar

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

### ORDERING CODE

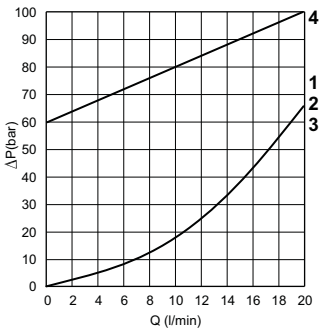
<b>FE02</b>	Inlet module unit (up to 20 l/min) with pressure relief valve
<b>3</b>	Size
<b>*</b>	Port sizes: <b>1</b> = G3/8" <b>2</b> = 9/16"-18UNF
<b>C</b>	Adjustment: <b>C</b> = Grub screw
<b>*</b>	Setting ranges <b>1</b> = max. 30 bar (white spring) <b>2</b> = max. 90 bar (yellow spring) <b>3</b> = max. 180 bar (green spring) <b>4</b> = max. 250 bar (orange spring)
<b>**</b>	<b>00</b> = No variant <b>V1</b> = Viton
<b>2</b>	Serial No.

### PRESSURE-FLOW RATE

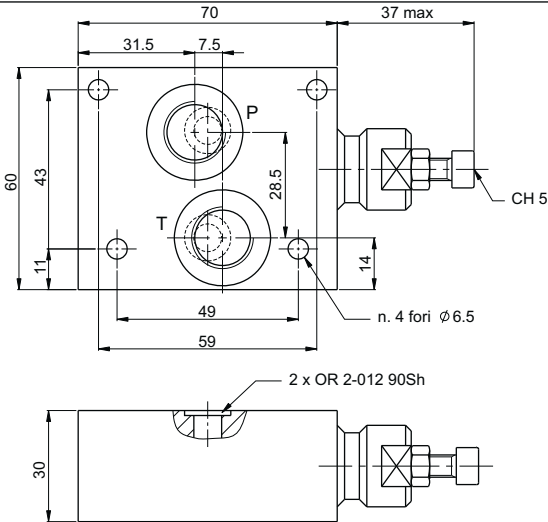


1 = max 30 bar - 2 = max 90 bar - 3 = max 180 bar - 4 = max 250 bar  
Fluid used: mineral based oil with viscosity 46 mm<sup>2</sup>/s at 40°C.

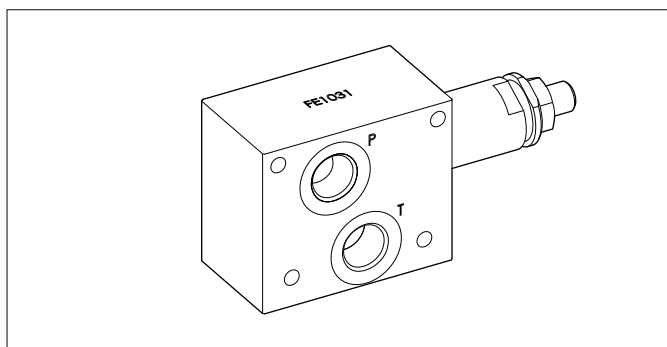
### MIN.SETTING PRESSURE



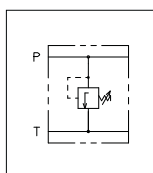
### OVERALL DIMENSIONS



## INLET MODULE UNITS WITH PRESSURE RELIEF VALVE (UP TO 40 L/MIN)



### HYDRAULIC SYMBOL



Module units FE10 provide pressure relief valve with adjustable pressure setting ranges (CMP10...). Manual adjustment is available by a grub screw or plastic knob. Maximum flow is 40 l/min. The threaded ports (P and T) are available in two different sizes: G3/8" or 9/16"-18UNF. 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 $\beta_{25} \geq 75$ )	ISO 4406:1999: class 21/19/16 NAS 1638: class 10
Weight	0.6 kg

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

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

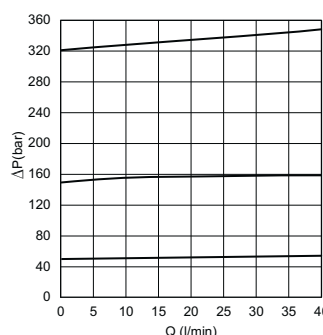
(\*) The minimum permissible setting pressure depending on the spring: see curves.

### ORDERING CODE

<b>FE10</b>	Inlet module unit (up to 40 l/min) with pressure relief valve
<b>3</b>	Size
<b>*</b>	Port sizes: <b>1</b> = G3/8" <b>2</b> = 9/16"-18UNF
<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** (orange spring)
<b>**</b>	<b>00</b> = No variant <b>V1</b> = Viton
<b>2</b>	Serial No.

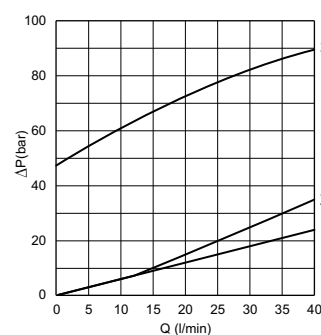
(\*\*) Setting referred to the maximum pressure reached from the relief valve. Do not exceed the maximum working pressure 250 bar.

### PRESSURE-FLOW RATE

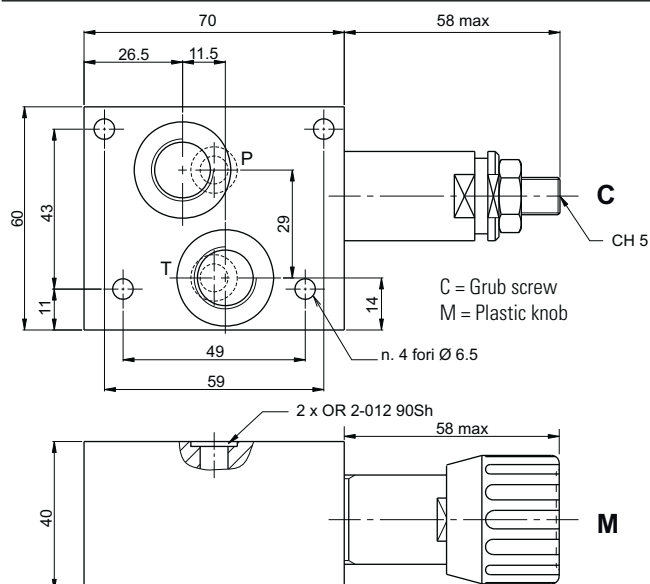


1 = max 50 - bar - 2 = max 150 bar - 3 = max 320 bar  
Fluid used: mineral based oil with viscosity 46 mm<sup>2</sup>/s at 40°C.

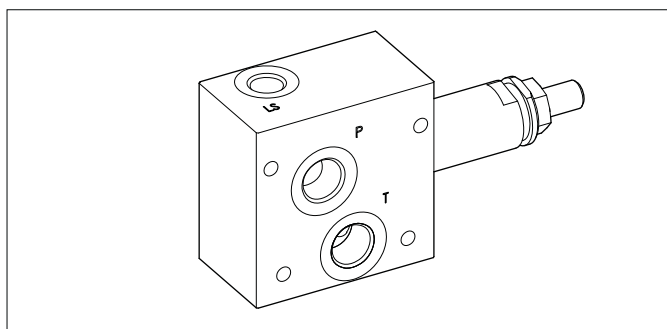
### MIN.SETTING PRESSURE



### OVERALL DIMENSIONS

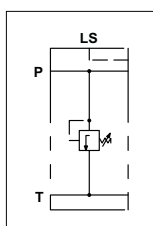


## INLET MODULE UNITS WITH LS LINE WITH PRESSURE RELIEF VALVE (UP TO 40 L/MIN)



Module units FE10LS provide pressure relief valve with adjustable pressure setting ranges (CMP10...). Manual adjustment is available by a grub screw or plastic knob. Maximum flow is 40 l/min. Available with threaded ports (P and T) sizes G3/8" and LS size G1/4". Aluminum body.

### HYDRAULIC SYMBOL



### ORDERING CODE

**FE10LS** Inlet module unit (up to 40 l/min) with pressure relief valve and LS line

**3** Size

**1** Ports:  
1 = G3/8" (P,T ports)  
G1/4" (LS port)

**\*** Adjustment:  
**M** = Plastic knob  
**C** = Grub screw

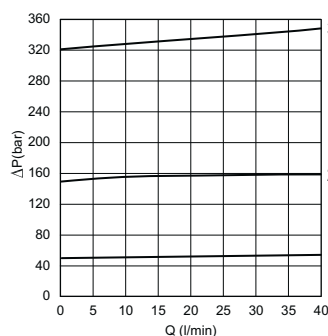
**\*** Setting ranges  
**1** = max. 50 bar (white spring)  
**2** = max. 150 bar (yellow spring)  
**3** = max. 320 bar \*\* (orange spring)

**\*\*** **00** = No variant  
**V1** = Viton

**2** Serial No.

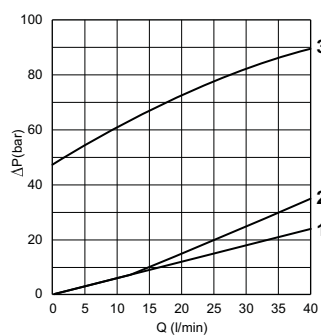
(\*\*) Setting referred to the maximum pressure reached from the relief valve. Do not exceed the maximum working pressure 250 bar.

### PRESSURE-FLOW RATE



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.

### MIN.SETTING PRESSURE



### FEATURES

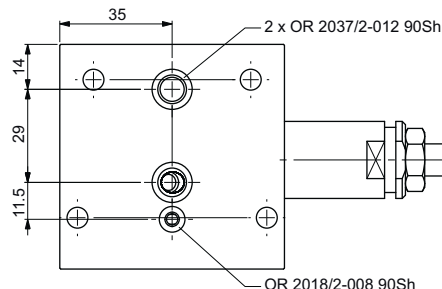
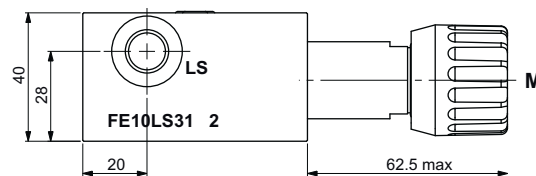
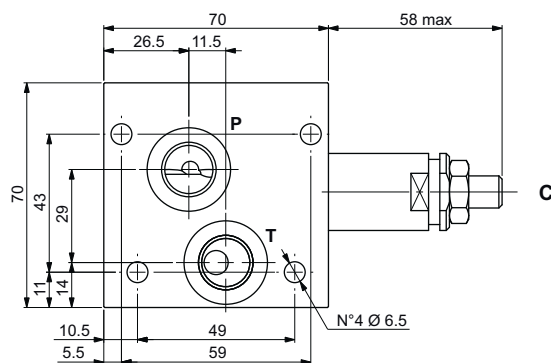
Max. operating pressure	250 bar
Max. Flow	40 l/min
Hydraulic fluid	DIN 51524 Mineral oils
Fluid viscosity	10 ÷ 500 mm <sup>2</sup> /s
Fluid temperature	-25°C ÷ 75°C
Ambient temperature	-25°C ÷ 60°C
Max. contamination level (filter β <sub>25</sub> ≥ 75)	ISO 4406:1999: class 21/19/16 NAS 1638: class 10
Weight	0.6 kg

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

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

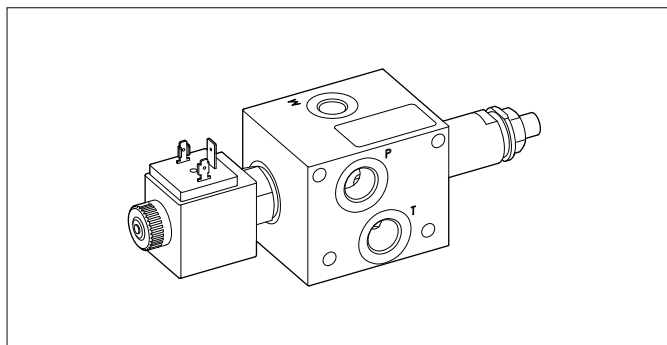
(\*) The minimum permissible setting pressure depending on the spring: see curves.

### OVERALL DIMENSIONS



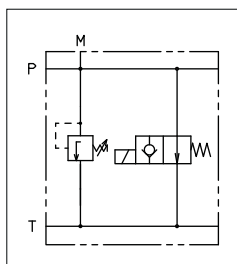
C = Grub screw  
M = Plastic knob

## INLET MODULE UNITS WITH PRESSURE RELIEF VALVE AND ELECTRICAL VENTING VALVE



Connector to be ordered separately, see page 58.

### HYDRAULIC SYMBOL



### ORDERING CODE

<b>FE10</b>	Inlet module unit with pressure relief valve
<b>P</b>	Electric venting valve
<b>3</b>	Size
<b>*</b>	Port sizes: 1 = G3/8" 2 = 9/16"-18UNF
<b>*</b>	Adjustment: <b>M</b> = Plastic knob <b>C</b> = Grub screw
<b>*</b>	Setting ranges 1 = max. 50 bar (white spring) 2 = max. 150 bar (yellow spring) 3 = 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 12) <b>PS</b> = Rotary emergency (see page 12) <b>AJ</b> = AMP Junior connection (see page 59) <b>CX</b> = Deutsch connection with bidirectional diode (see page 59)
<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.

Module units FE10P provide a pressure relief valve with adjustable pressure setting ranges (CMP10...) and an electrical venting valve normally open supplied with emergency control (CRP0418NA..).

The pressure relief valve's manual adjustment is available by a grub screw or plastic knob. The threaded ports (P and T) are available in two different sizes: G3/8" or 9/16"-18UNF. 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

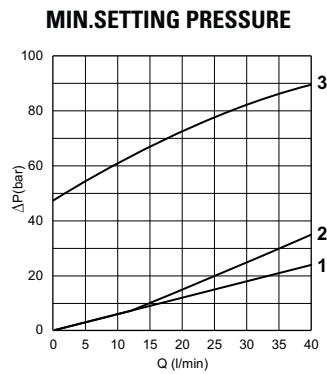
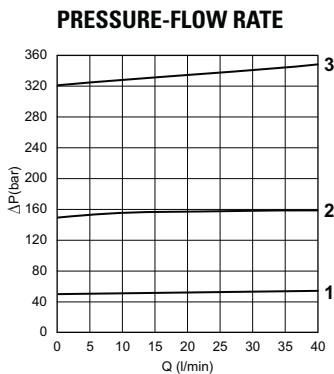
(1) Connector to be ordered separately, see page 58;  
Coils technical data, see page 59;

(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 BFP coil

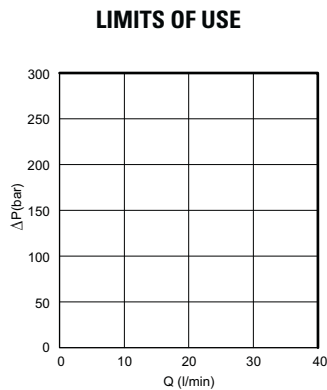
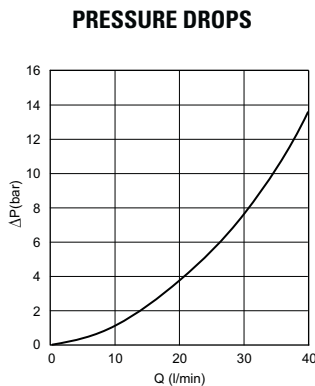
## DIAGRAMS - PRESSURE RELIEF VALVE



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

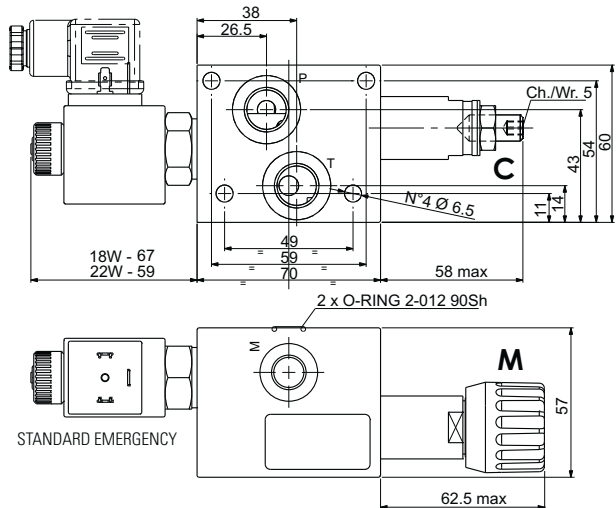
Fluid used: mineral based oil with  
viscosity 46 mm<sup>2</sup>/s at 40°C.

## DIAGRAMS - ELECTRICAL VENTING VALVE



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

