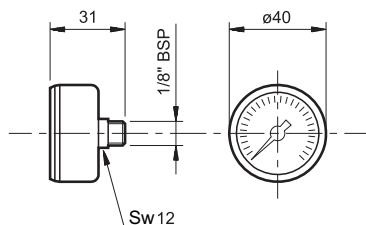


### 5 - CLOGGING INDICATORS

The filters are designed to incorporate clogging indicators, which have to be ordered separately.

#### 5.1 - Visual indicator for return filters

Identification code: VR/10



This indicator is a pressure gauge sensitive to the filter input pressure.

The indicator is supplied with a 0 ÷ 6 bar graduated scale and with a two-colour reading scale, which

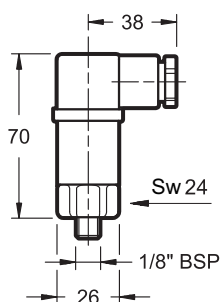
informs you about the clogging condition of the filter element:

GREEN: efficient filter element (0 ÷ 1.7 bar)

RED: the filter element has to be replaced (> 1.7 bar)

#### 5.2 - Electric indicator for return filters

Identification code: ER/11



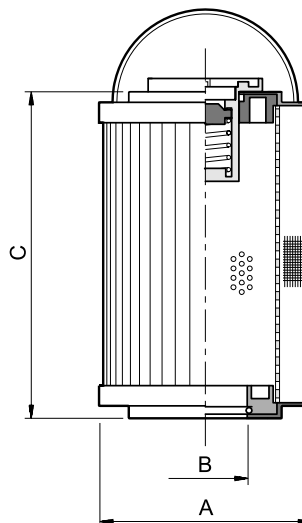
This indicator is a pressure switch sensitive to the filter input pressure, which switches an electrical contact when the filter element has reached the clogging limit.

The contact can be wired in an open or closed condition (see the hydraulic symbol).

### TECHNICAL SPECIFICATIONS

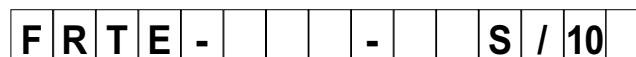
Operating pressure	bar	1,5
<b>AC power supply</b>		
Max. operating voltage	VAC	250 50/60 Hz
Max. load on the contacts (inductive or resistive) with V at 125 VAC	A	3
with V at 250 VAC		0,5
<b>DC power supply</b>		
Max. operating voltage	VDC	30
Max. load on the contacts resistive	A	3
inductive		1
Electric connector	DIN 43650	
Class of protection according to CEI EN 60529 (atmospheric agents)	IP65	
Atex classification	3 GD EEx e T6	

### 6 - FILTER ELEMENTS



Filter element code	ØA	ØB	C	Average filtering surface [cm²]	
				P10	F12/F25
FRTE - 012	52	24	70	310	380
FRTE - 034	70	28	130	1000	1600
FRTE - 100	70	40	210	1660	2670
FRTE - 114	99	40	211	3800	4280
FRTE - 112	130	51	140	4140	4360
FRTE - 200	130	63	251	7930	8350

#### FILTER ELEMENT IDENTIFICATION CODE



Filter element for a FRT filter

Nominal dimension  
**012** = 1/2" **114** = 1 1/4"  
**034** = 3/4" **112** = 1 1/2"  
**100** = 1" **200** = 2"

Filtration degree: **F10** = fibre 10 µm  
**F25** = fibre 25 µm  
**P10** = paper 10 µm

Standard filter element

Series N. (from 10 to 19 sizes and mounting dimensions are unchanged)

**N** = NBR seals for mineral oils (**standard**)  
**V** = FPM seals for special fluids (upon request)