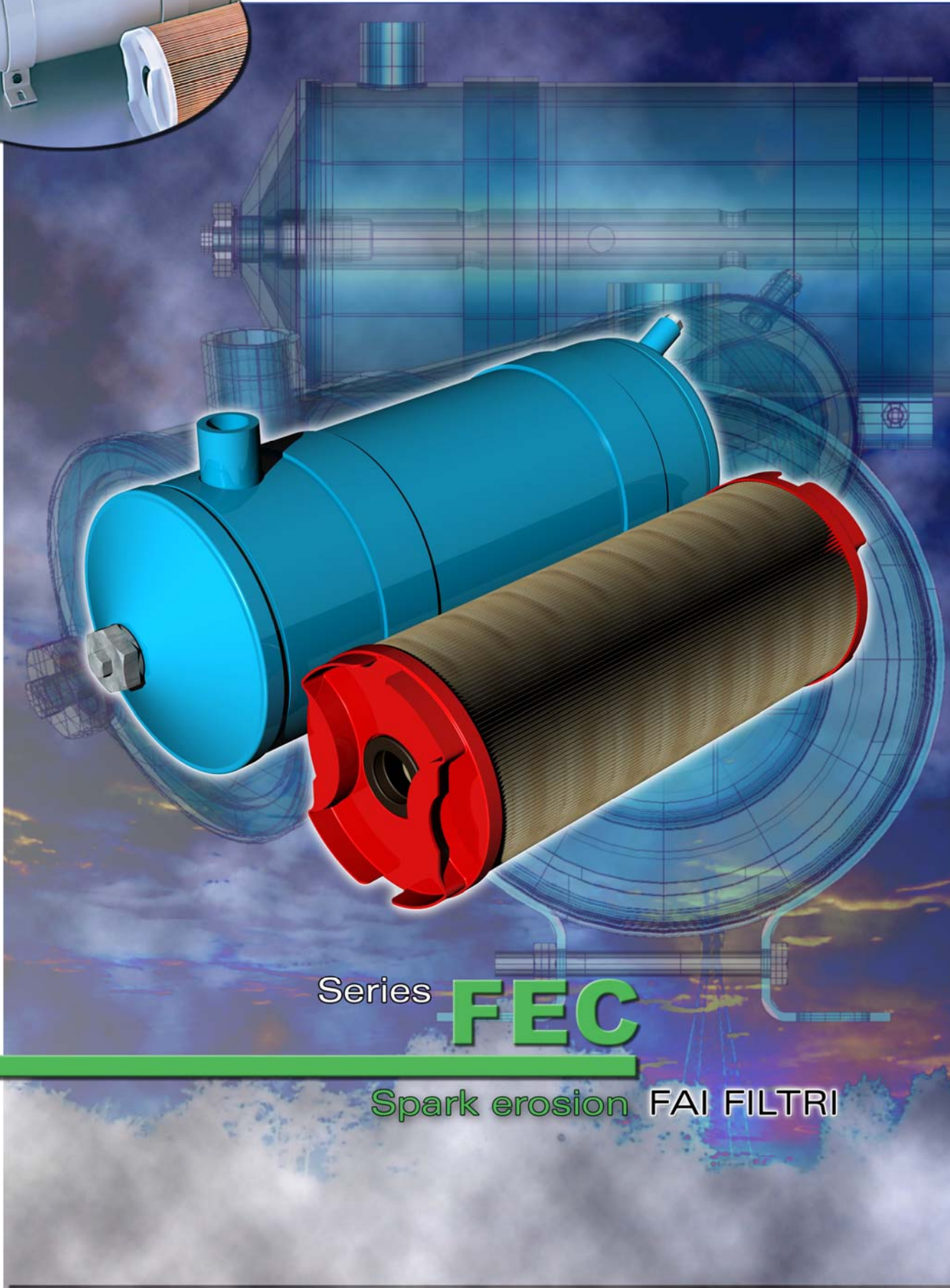
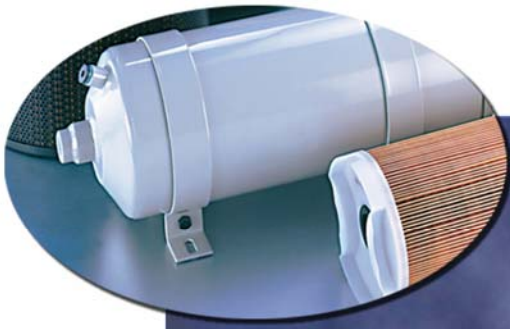




**faifiltri**<sup>®</sup>  
A Quality Filtration Company



Series **FEC**

Spark erosion FAI FILTRI

# DESCRIPTION

**FEC** filters are filtering bodies assembled in line and they present an inlet end and an outlet at a distance of 90°.

Thanks to the engineering characteristics, to the high quality of the filtering elements, to the high standards of production and to the use of cutting-edge materials and technologies in the manufacturing of the filtering elements, which is to be considered as a fundamental premise to grant the best filtration and accumulation performances along with the lowest pressure losses, **FEC** filters are suitable for filtration of dielectric fluids, kerosene, dionized waters for electron discharge machining, hydraulic fluids, coolants and cutting fluids for machine tools or for grinding.

The high filtering surface increases the operating life granting high economic benefits.

# TECHNICAL DATA

## MATERIALS

Body            carbon steel  
                  [stainless steel under request]

Cover           aluminium fusion

## OPERATING PRESSURE

Max 6 bar

## CARTRIDGE COLLAPSING PRESSURE

5 bar

## FILTERING ELEMENTS

“A”            3, 6 ,10 e 25 absolute micron made of inorganic microfibers with acrylic protection supported with wire nets and covered in epoxidic resins, filtration efficiency  $\beta_x > 200$

“P”            5, 10 nominal micron made of resins impregnated cellulose fibers, filtration efficiency  $\beta_x > 2$

“D”            5 absolute micron made of pressed, piled up filtering discs

## GASKETS

“A” Series    Nitrilic (Buna-N) for mineral oils, glycol waters and emulsifying oils

“X” Series    specifically under request ( custom-made )

## OPERATING TEMPERATURE

From -20°C up to +100°C

## FILTERING SURFACE

FEC 70 filtering bodies are equipped with No.1 cartridge for electron machining **CFE/CPE 3615.32** series  
 FEC 140 filtering bodies are equipped with No.2 cartridges for electron machining **CFE/CPE 3615.32** series

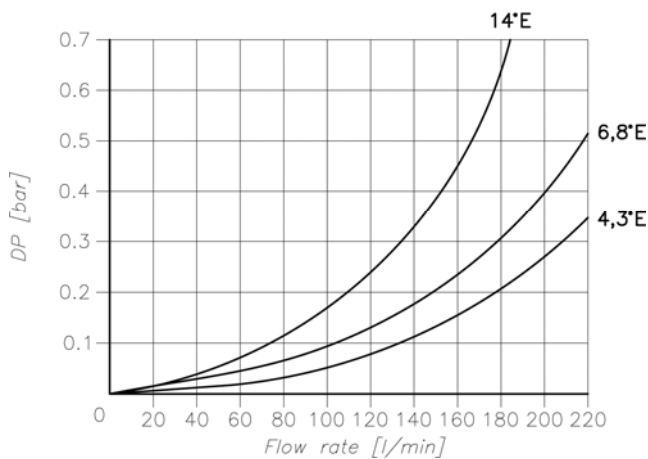
Type	P05/P10/P25	A03/A06/A10/A25
<b>CPE 3615.32</b>	30.980 cm <sup>2</sup>	23.700 cm <sup>2</sup>

## FLOW RATE

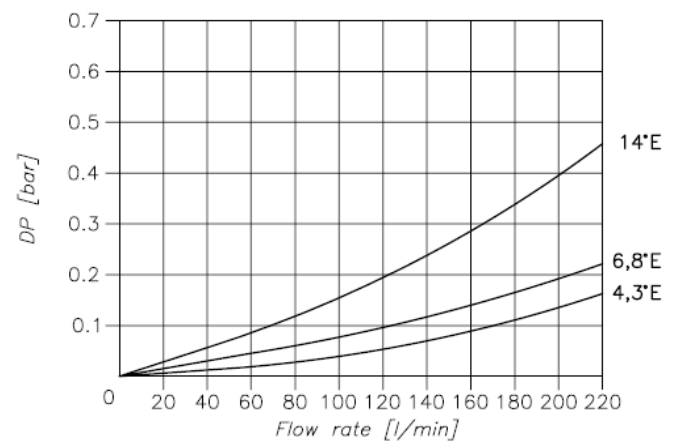
Up to 100 l/min

# PRESSURE DROP

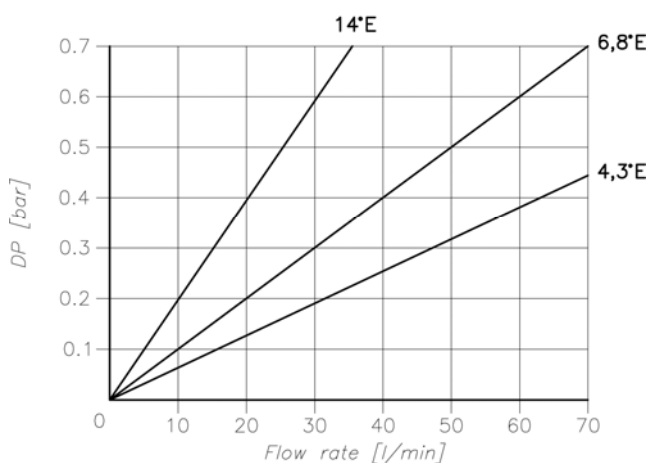
FEC 070



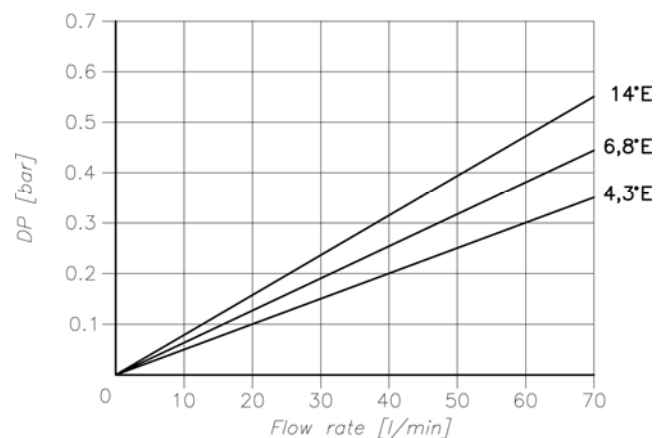
FEC 140

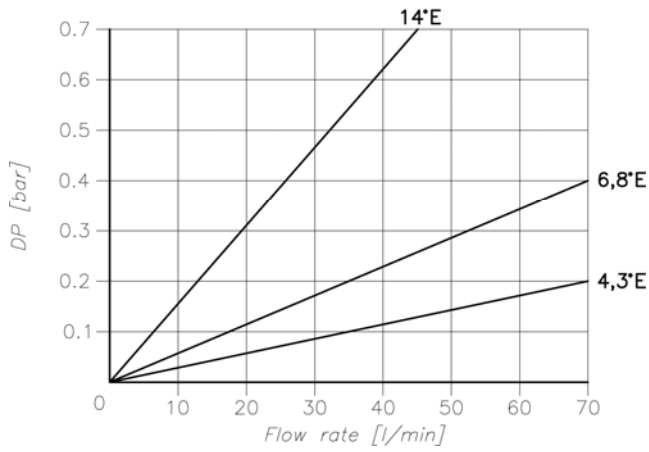
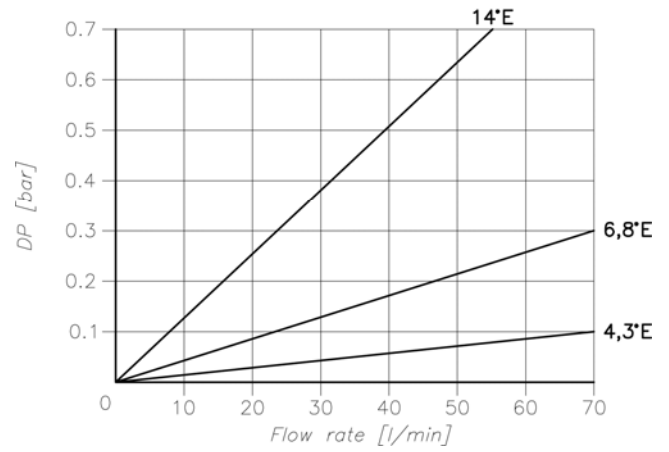


CFE3615.32 LAMELLAR PLATES 5µ

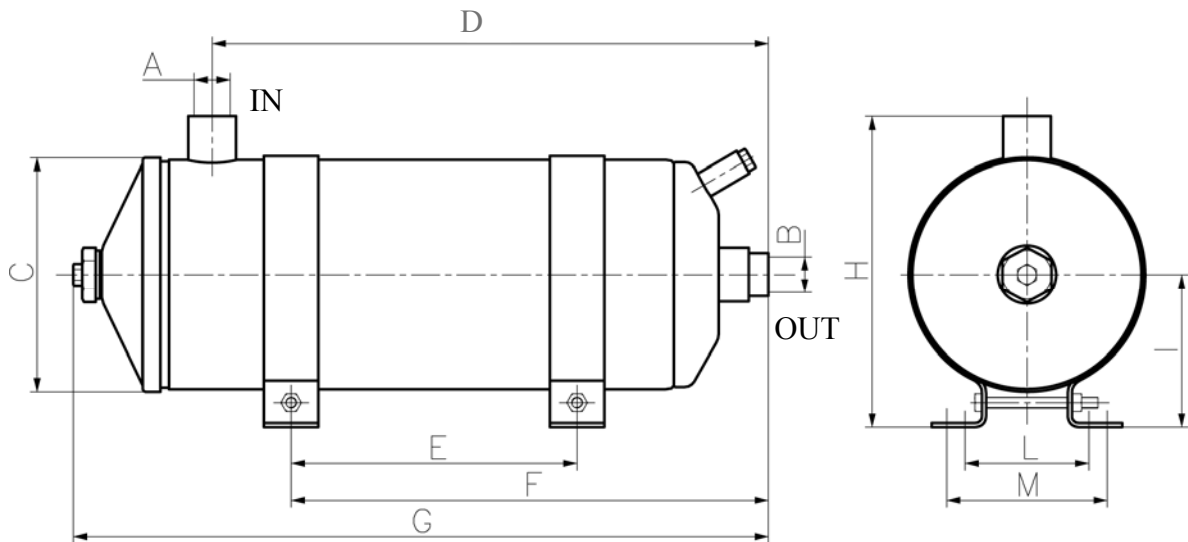


CFE3615.32 CELLULOSE FIBERS 5µ



CFE3615.32 CELLULOSE FIBERS 10 $\mu$ CFE3615.32 CELLULOSE FIBERS 25 $\mu$ 

## DIMENSIONAL INFORMATION



Type	A – B	C	D	E	F	G*	H	I	L	M
70	3/4" GAS	172	410	210	350	510	225	112	91	118
140	1" GAS		860	500	774	960				

\* "G" figures with differential indicator becomes:

**FEC070: 625mm**  
**FEC140: 1135mm**

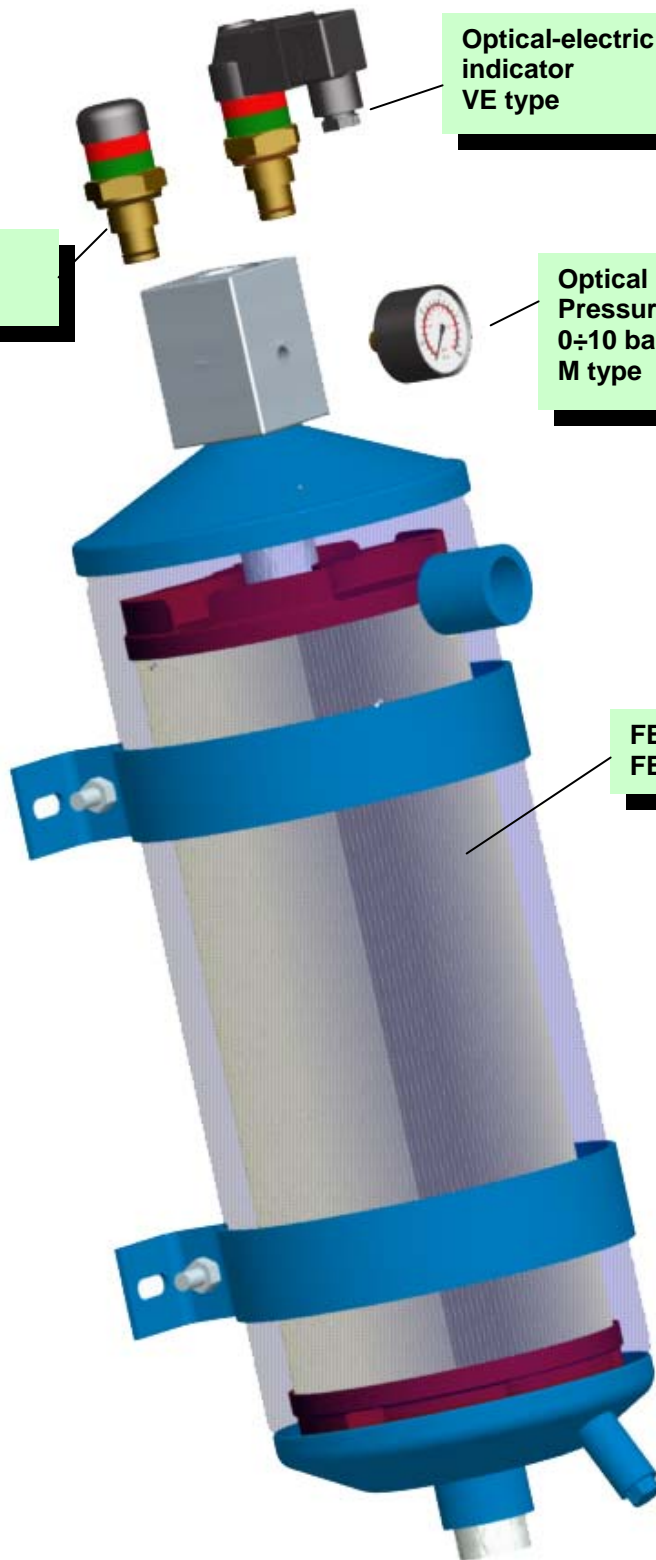
# FUNCTIONAL DIAGRAM

Optical-electric differential indicator  
VE type

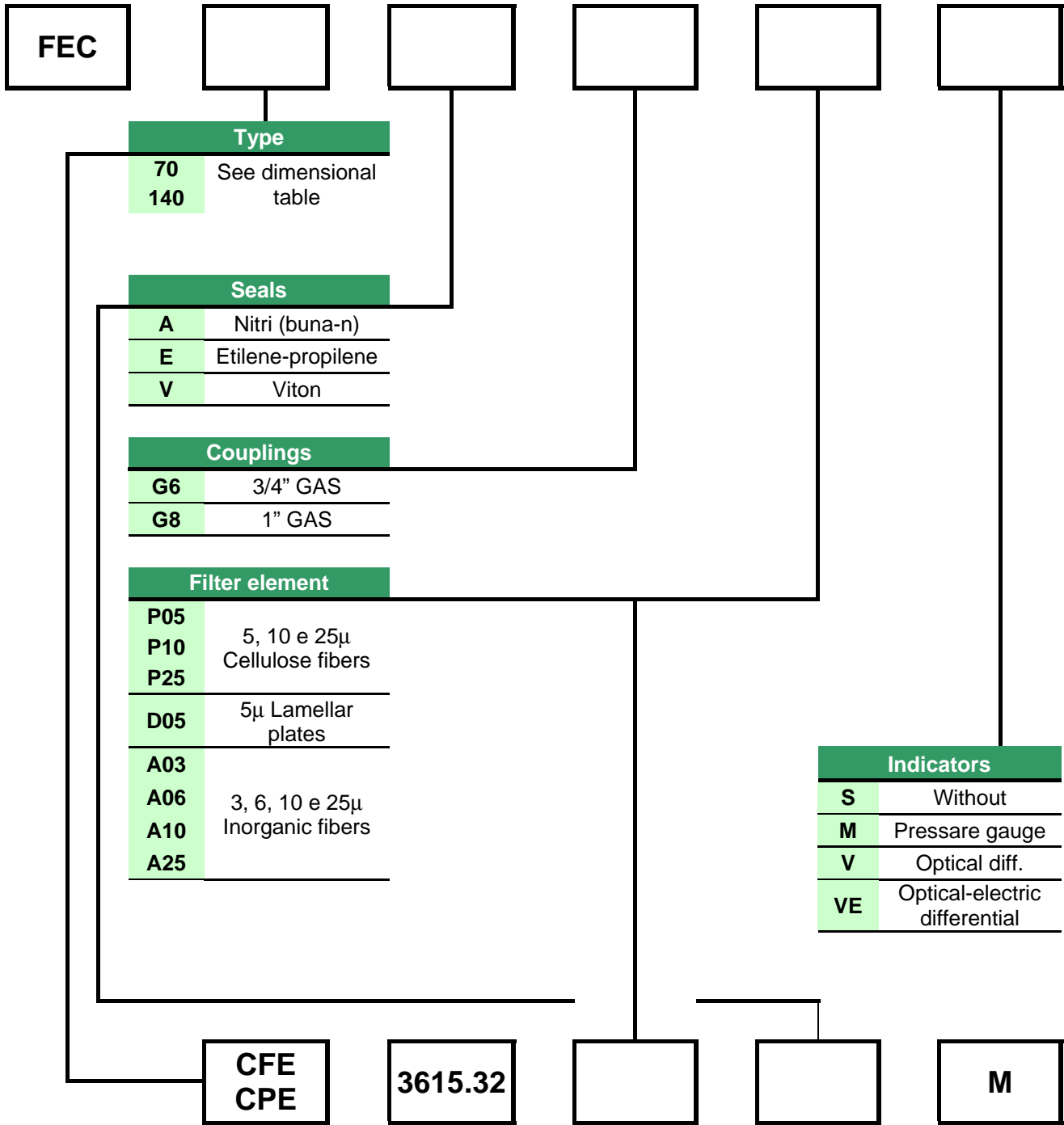
Optical differential indicator  
V type

Optical indicator  
Pressure gauge  
0÷10 bar  
M type

FEC070 – No.1 CFE/CPE3615  
FEC140 – No.2 CFE/CPE3615



# ORDER CODE







**Il mondo Fai Filtri è diventato più grande per offrirvi di più**  
**Fai Filtri's world has grown bigger to offer you more and more**

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