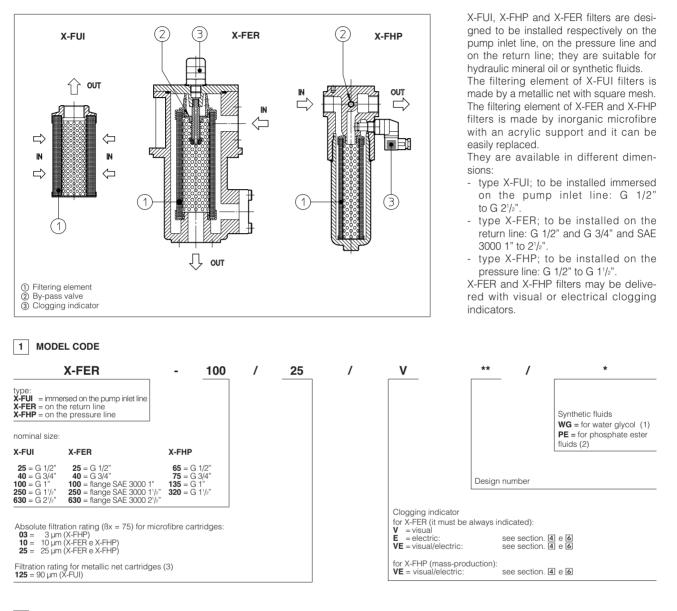
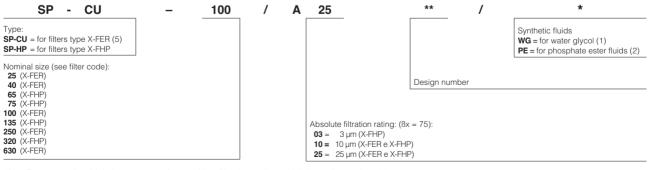


# Hydraulic filters type X-FUI, X-FER, X-FHP

suction, return and pressure filters







For water glycol it is better to use filters with a filtration rating which is not lower than 25 µm.

2

For phosphate ester fluids, consult our technical office and specify the kind of fluid. For metallic cartridges, the filtration rating is fixed in micron by the maximum diameter of the sphere which is inserted in the net-mesh 3) 4) The cartridge of new filters type X-FER and type X-FHP is made by microfibre and when it is clogged it cannot be cleaned and it must be replaced.

It may be useful to have a space cartridge with every single installed filter. The microfibre cartridges of the new X-FER filters have a filtering power which is about 2,5 times higher than the filtering power of the metallic car-tridges type SP-CFE and they have a size which allows them to be easily changed with this type of cartridge. 5)

# 3 NOTES

#### 31 X-FUI

They have to be installed immersed in the fluid in order to protect the pump.

They can be installed in an y position: we recommend to avoid localized obstructions and to limit the fluid speed to  $1 \div 1,5$  m/s. The filtering element is in square mesh net.  $\Delta p$  of filtering elements collapse is 1 bar. They are not equipped neither with a by-pass valve nor with a clogging indicator; therefore regular controls of the filter conditions are necessary. The filter must be entirely replaced when it is clogged. Fluid temperature: -25 °C ÷ +110 °C



Model	X-FUI-25	X-FUI-40	X-FUI-100	X-FUI-250	X-FUI-630
Max recommended flow [I/min] $(\Delta p = 0.08 \text{ bar})$	35	70	130	250	850
Δp max [bar]			1		



### 3.2 X-FER

They have to be installed on the return line to tank.

The cartridge is made of inorganic microfibre with acrylic support. When it is clogged, it cannot be cleaned and it must be replaced. The cartridge will be easily replaced after the cover has been removed.

The collapsed pressure of filtering elements is 10 bar.

They are equipped with a by-pass valve with opening pressure of 2,5 bar ±10%. The by-pass valve is integral with cover.

They are delivered with visual or electrical indicator. The visual indicator shows the progressive building-up of contaminant in the cartridge, by means of a red sector.

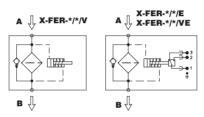
The electrical indicator (see sections (1) and (2) opens or closes an electric contact when filter has reached a preset value of

contamination (2 bar  $\pm 10\%$ ).

Fluid temperature: -20 °C ÷ +70 °C

Model		X-FER-25/10	X-FER-25/25	X-FER-40/10	X-FER-40/25	X-FER-100/10	X-FER-100/25	X-FER-250/10	X-FER-250/25	X-FER-630/10	X-FER-630/25
Max recommended flow [I/r $(\Delta p = 0.25 \text{ bar})$	nin]	35	23	20	55	30	100	120	290	220	430
Max inlet pressure [	oar]		20								
Δp max [i	oar]					1	0				

Hydraulic symbol



#### X-FHP 3.3

They have to be installed on the pressure line in order to protect the circuit components.

The cartridge is made by inorganic microfibre with acrylic support. When it is clogged, it cannot be cleaned and it must be replaced.

The cartridge will be easily replaced after the filter housing has been unscrewed. The collapsed pressure of filtering elements is 20 bar.

They are equipped with a by-pass valve with opening pressure of about 6 bar ±10%. They are delivered with visual/electrical indicator (see sections A and A) which opens or closes an electric contact when filter has

reached a preset value of contamination (5 bar  $\pm$  10%). Fluid temperature: -20 °C ÷ +70 °C

Modello		65/03	65/10	65/25	75/03	75/10	75/25	135/03	135/10	135/25	320/03	320/10	320/25
Max recommended flow $(\Delta p = 1 \text{ bar})$	[l/min]	16	38	55	38	120	150	95	155	200	230	400	600
Max inlet pressure	[bar]	420											
Δp max	[bar]	20											
Hydraulic symbol					A [] 2	<b>K-FHP-</b> */*/	VE						



4 ELECTRICAL CLOGGING INDICATORS FOR X-FER AND X-FHP

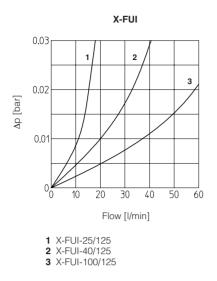
for dimensions, see section. **CONNECTOR DIN 43650** Protection rating to DIN 40050 IP-65

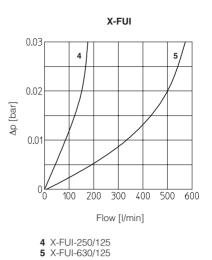




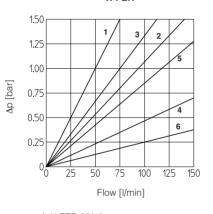
ELECTRIC DIAGRAM

Feeding	voltage	MAX FLOW - CONTACTS -						
(V	)	Resistive load (A)	Inductive load (A)					
AC	125	5	2					
AC	250	5	2					
DC	30	5	3					
DC	125	0,5	0,03					
DC	250	0,25	0,03					



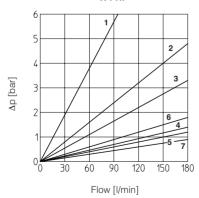


X-FER



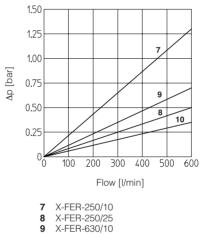
1	X-FER-25/10
2	X-FER-25/25
3	X-FER-40/10
4	X-FER-40/25
5	X-FER-100/10
6	X-FER-100/25

X-FHP



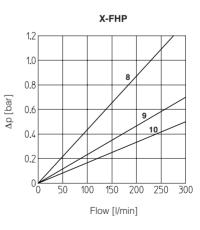


- X-FHP-65/10 e X-FHP-75/03
  X-FHP-65/25
  X-FHP-65/25
  X-FHP-75/10
  X-FHP-75/25 e X-FHP-135/10
  X-FHP-135/03
  X-FHP-105/03
- 7 X-FHP-135/25



X-FER





8 X-FHP-320/03 9 X-FHP-320/10 10 X-FHP-320/25

## LK020SK

# 6 DIMENSIONS [mm]

