

Hydraulic filters

60 years of experience
in high performance electrohydraulics
exploited in a new range of hydraulic filters
to complete the Atos products portfolio

2x warranty period on Atos components

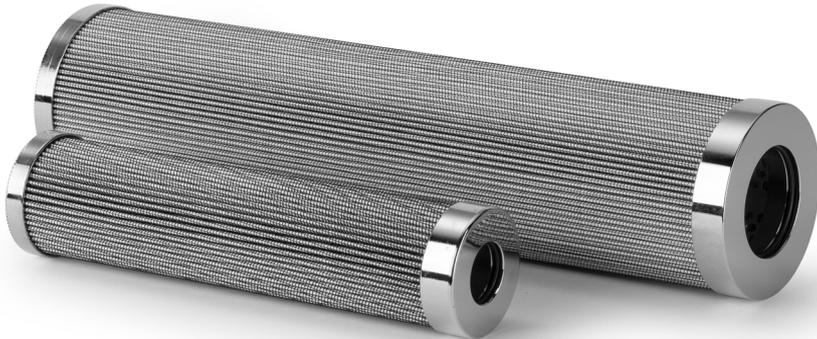


atos[®] 
the Italian electrohydraulics

Hydraulic fluid filtration

Atos electrohydraulics expertise is now available also in filtration, to best support customers in the engineering of longer life hydraulic systems, keeping under control fluid contamination level

Atos filters **double the standard warranty period** of Atos hydraulic components *



Filtration ratings

code	$\beta_{x>200}$	$\beta_{x(c)>1000}$
F03	3 μm	4,5 $\mu\text{m}(c)$
F06	6 μm	7 $\mu\text{m}(c)$
F10	10 μm	12 $\mu\text{m}(c)$
F25	25 μm	27 $\mu\text{m}(c)$

$\beta_{x(c)>1000}$ according to ISO 16889

* Provided that the hydraulic system is correctly engineered and the filters are properly installed and maintained
Extended warranty does not cover failures due to misuse or misapplication

Filters range

Atos hydraulic filters are equipped with high efficiency filtering elements, to ensure best fluid cleanliness levels



High pressure filters
threaded & flanged ports
2 sizes 4 lengths
Pmax 420 bar



Pressure filters
threaded ports
2 sizes 4 lengths
Pmax 320 bar

Return filters
threaded ports
4 sizes 4 lengths
Pmax 8 bar



Suction filters
BSPB threaded ports
4 sizes 3 lengths
Qmax 450 l/min



FPH in-line high pressure filters

- Cast iron heads
- Extruded steel bowls
- 2 head sizes with 4 filter lengths
- BSPP or SAE J1926-1 threaded ports
- SAE 6000 flanges, metric or UNC bolts
- With or without by-pass valve
- Microfibre filter elements
- NBR or FKM seals
- Electrical differential clogging indicator **1** with optional led **2**



Filtration ratings F03 • F06 • F10

Q_{max} 105 ÷ 340 l/min • P_{max} 420 bar

FPS in-line pressure filters

- Cast iron heads
- Extruded steel bowls
- 2 head sizes with 4 filter lengths
- BSPP or SAE J1926-1 threaded ports
- With or without by-pass valve
- Microfibre filter elements
- NBR or FKM seals
- Electrical differential clogging indicator **3** with optional led **4**



Filtration ratings F03 • F06 • F10

Q_{max} 105 ÷ 330 l/min • P_{max} 320 bar

FRS tank-top return filters



- Aluminum heads •
- Nylon bowls or steel bowls for larger size •
- 4 head sizes with 4 filter lengths •
- BSP, SAE J1926-1 or NPT threaded ports •
- By-pass valve •
- Microfibre filter elements •
- NBR or FKM seals •
- Absolute clogging indicator •
electrical **5** or visual **6**

Filtration ratings F10 • F25

Q_{max} 55 ÷ 550 l/min • P_{max} 8 bar



Filter elements

Made by inorganic microfibre filtering media properly pleated with protecting and supporting layers, to grant first class quality and efficiency of the filtration pack

Pressure elements **7**

Filtration ratings F03, F06, F10

Collapse pressure:

- 21 bar with by-pass valve •
- 210 bar without by-pass valve •

Return elements **8**

Filtration ratings F10, F25

With integral by-pass valve

