

Hydraulic filters

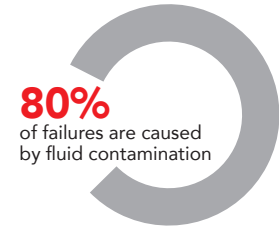
60 years of experience
in high performance electrohydraulics
exploited in a new range of hydraulic filters
to complete the Atos products portfolio

2x warranty period on Atos components



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 components

STANDARD CONTAMINATION CLASSES / FILTER ELEMENTS / COMPONENTS OPERATING LIFE

STANDARDS	ISO 4406	15/13/10	16/14/11	17/15/12	18/16/13	19/17/14	20/18/15	21/19/16
	NAS 1638	4	5	6	7	8	9	10
	SAE 5049	5A/4B/4C	6A/5B/5C	7A/6B/6C	8A/7B/7C	9A/8B/8C	10A/9B/9C	11A/10B/10C

FILTER ELEMENTS	F03	F03 / F06	F06	F06 / F10	F10 / F20	F20 / F25
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OPERATING LIFE	Proportional valves		Extended ← Standard			
	On-off valves				Extended ← Standard	
	Variable displ. pumps			Extended ← Standard		
	Fixed displ. pumps				Extended ← Standard	
	Cylinders				Extended ← Standard	

Filters range

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

Pressure filters



Flanged ports
Pmax 420 bar

Threaded ports
Pmax 420 bar



Return filters

Threaded ports
Pmax 8 bar

Suction filters

Threaded ports
Qmax 450 l/min



FPS in-line high pressure filters

- Cast iron heads
- Steel bowls
- 3 head sizes with different filter lengths
- BSPP or SAE J1926-1 threaded ports
- With or without by-pass valve
- Microfibre filter elements
- NBR or FKM seals
- Visual **1** or electrical differential clogging indicator **2** with optional led **3**
- Enhanced Corrosion Protection

600_h
SALT SPRAY



Filtration ratings F03 • F06 • F10 • F20

Q_{max} 440 l/min • **P_{max}** 420 bar



FPH in-line high pressure filters

- Cast iron heads
- Steel bowls
- 2 head sizes with different filter lengths
- SAE 6000 flanges, metric bolts
- With or without by-pass valve
- Microfibre filter elements
- NBR or FKM seals
- Visual **1** or electrical differential clogging indicator **2** with optional led **3**



Filtration ratings F03 • F06 • F10 • F20

Q_{max} 400 l/min • P_{max} 420 bar

FRS tank-top return filters

- Aluminum heads
- Nylon bowls
- 4 head sizes with different filter lengths
- BSPP or SAE J1926-1 threaded ports
- By-pass valve
- Microfibre or cellulose filter elements
- NBR or FKM seals
- Absolute clogging indicator, electrical **4** or visual **5**
- Optional discharge ending pipes and diffusers



Filtration ratings F06 • F10 • F25 • C10 • C25

Q_{max} 600 l/min • P_{max} 8 bar

Filter elements

First class production process and materials to grant the maximum efficiency of the filtration pack

Pressure elements 6

Microfibre, collapse pressure:

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

Return elements 7

Microfibre or cellulose,
built-in by-pass valve

Filtration ratings

Microfibre	$\beta_{\times(c)} > 1000$
F03	4,5 $\mu\text{m}_{(c)}$
F06	7 $\mu\text{m}_{(c)}$
F10	12 $\mu\text{m}_{(c)}$
F20	22 $\mu\text{m}_{(c)}$
F25	27 $\mu\text{m}_{(c)}$

Cellulose	$\beta_{\times(c)} > 2$
C10	10 $\mu\text{m}_{(c)}$
C25	25 $\mu\text{m}_{(c)}$



Worldwide Sales Organization

A sales network with 25 branches, 120 sales professionals and distributors in more than 80 countries, together with great responsiveness and focus on customers.



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