

Filtration Products

# Spin-On Filters



**EATON**

*Powering Business Worldwide*

# High performance technology for efficient control of contamination levels in hydraulic, lubrication and engine circuits

Eaton's spin-on filters are designed to provide one of the highest cleanliness levels for hydraulic systems, featuring cartridges that are engineered to fit into many leading filter systems on the market.

These filters are available with the following features:

- Compatible with a variety of mediums such as oils, fuels, emulsions, glycol water and synthetic fluids
- Cartridge pressure values in 170, 360, 500 psi (12, 25 and 35 bar)
- Flow rates up to 48 gpm (180 l/min)
- Wide range of operating temperatures from -13°F to 230°F (-25 °C up to +110 °C)
- Buna N gaskets
- Connection sizes: 1/2", 3/4", 1", 1 1/4" in BSPP or NPT
- Other configurations are available upon request

Eaton's spin-on filters are manufactured and tested according to ISO 2941, ISO 3723 and ISO 2942.



# Technical data and product selection guide

Spin-on filter series	Nominal sizes	Max. operating pressure psi (bar)	Filter fineness options µm	Filter area in <sup>2</sup> (cm <sup>2</sup> )	Connection size BSPP or NPT	Bypass valve (optional) psi (bar) *	Clogging indicator options *
SPL low pressure	35	170 (12)	3, 6, 10, 25	264 (1700)	¾"	25 (1.75)	03
	55	170 (12)	3, 6, 10, 25	419 (2700)	¾"	25 (1.75)	
	75	170 (12)	3, 6, 10, 25	688 (4440)	1 ¼"	25 (1.75)	
	150	170 (12)	3, 6, 10, 25	927 (5980)	1 ¼"	25 (1.75)	
SPM medium pressure	35	360 (25)	3, 6, 10, 25	264 (1700)	½"	25 (1.75)	04 E9.1, 5 E11.1, 5
	55	360 (25)	3, 6, 10, 25	419 (2700)	1"	25 (1.75)	
	120	290 (20)	3, 6, 10, 25	555 (3580)	1 ¼"	25 (1.75)	
SPH high pressure	100	500 (35)	3, 6, 10, 25	260 (1680)	¾"	25 (1.75)	04 E12.1, 5
	140	500 (35)	3, 6, 10, 25	439 (2830)	1"	25 (1.75)	
	180	360 (25)	3, 6, 10, 25	777 (5010)	1 ¼"	25 (1.75)	

\* Standard filter does not include bypass valve or clogging indicator  
Consult Eaton for other options.

## Applications

- Cooling circuits
- Lube oil systems
- Power transmissions
- Compressors
- Hydrostatic charge pumps
- Fuel transfer

## Markets

- Power generation
- Agriculture
- Oil and gas
- Construction
- Forestry
- Mining
- Material handling

Spin-on filters consist of a head mounted directly in-line with the piping and a cartridge containing a filter element. The cartridge seals to the head to prevent leakage. These filters are an effective and economical choice where the line pressure is low, and there are no strong pressure surges. Filters are easy to replace without special equipment or tooling.



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