EATON | Vickers

ProActive Maintenance

Overview Catalog

VICKERS®

ProActive Maintenance Overview Catalog

Eaton provides a portfolio of products that stand up to the most stringent requirements of fluid power systems. This catalog provides an overview of the ProActive maintenance products and lists the literature that is related to the products as well as how to effectively prevent contaminated related system failures.

Eaton is dedicated to producing the most reliable fluid power components and systems in the world. Controlling the amount of damaging contamination in the fluid is the most cost-effective way of assuring reliable operation of any fluid power system.

Please refer to the back cover of this catalog for contact points for further information on Eaton products, systems and services.

Vickers filtration products keep your hydraulic systems up and running.

Without proper contamination control, fluid power systems can experience failures resulting from contamination:

- **A catastrophic failure** occurs when a large particle enters a pump or valve.
- **An intermittent failure** can be caused by contamination on the seat of a poppet valve which prevents it from reseating properly.
- **A degradation failure** can be the result of abrasive wear, corrosion, cavitation, aeration, erosion, or surface fatigue (due to contamination).

Any kind of failure due to improper contamination control means downtime for your business – whether mobile or industrial. And that means lost productivity and revenues. That's why understanding the integral role filtration can play in protecting your fluid power systems is key to long-term system performance and business success.

Choose from our larger scope of products.

At Eaton Hydraulics, we understand hydraulic systems and how to make them more reliable. That's why we've made a significant commitment to providing a full range of filtration products for contamination control in real-world applications.

From individual products that filter out impurities in mobile assemblies, to integrated filter systems that maintain precision on industrial equipment, we offer a full range of filtration solutions to meet your fluid power needs. Common applications for Vickers filtration products include:

- Pressure line
- Return line
- Recirculating loop
- Component isolation
- Off-line
- Closed loop hydrostatic transmission
- Lubrication systems
- Flushing skids
- Transfer applications

Return Line Filters

HV6R

Max Flow: 300 gpm

Max Pressure: 350 psi

Port Size: 4" SAE flange ports

Document No. V-FF-MC-0001-E

Return Line Filters

OFR15/30

Max Flow 30 gpm

Max pressure 600 psi

Port Size: SAE-16 (1" tube) or SAE 1" flange

Document No. V-FF-MC-0001-E

Return Line Filters

HV3R

Max Flow 75 gpm

Max Pressure 725 psi

Port Size: SAE-20 (1-1/4" tube) ports

Document No. V-FF-MC-0001-E

Return Line Filters

OFR60/120

Meets automotive HF4 specification

Max Flow: 120 gpm

Max Pressure: 400 psi

Port Size: SAE-24 (1-1/2" tube) or SAE 1-1/2" flange

Document No. V-FF-MC-0001-E

In-Tank Filters

OFMT 020

Max Flow: 10 gpm

Port Size: SAE-8 (1/2" tube)

Document No.
5057.02/EN/1099/A

In-Tank Filters

OFRT 100
(inside-out flow)

Max Flow: 25 gpm

Port Size: SAE-16 (1" tube)

Document No.
5057.02/EN/1099/A

In-Tank Filters

OFRT 630
(inside-out flow)

Max Flow: 125 gpm

Port Size: SAE 2-1/2" flange

Document No.
5057.02/EN/1099/A

In-Tank Filters

HF4RT

Meets automotive HF4 specification

Max flow 150 gpm

Max pressure 100 psi

Port size: SAE –24 (1-1/2" tube) or SAE 1-1/2" flange

Document No.
V-FF-MC-0001-E

In-Tank Filters

OFMT 100

Max Flow: 20 gpm

Port Size: SAE-16 (1" tube)

Document No.
5057.02/EN/1099/A

In-Tank Filters

OFRT 250
(inside-out flow)

Max Flow: 100 gpm

Port Size: SAE-24 (1-1/2" tube) or SAE 1-1/2" flange

Document No.
5057.02/EN/1099/A

In-Tank Filters

OFRT 850
(inside-out flow)

Max Flow: 400 gpm

Port Size: SAE 3" flange

Document No.
5057.02/EN/1099/A

Spin-On Filters

OFRS15

Max Flow: 15 gpm

Max Pressure: 100 psi

Port Size: SAE-16 (1" tube)

Document No.
V-FF-MC-0001-E

Spin-On Filters

OFRS25

Max Flow: 25 gpm

Max Pressure: 100 psi

Port Size: SAE-16 (1″ tube) or SAE 1″ flange

Document No. V-FF-MC-0001-E

Spin-On Filters

HS22 Twin

Max Flow: 120 gpm

Max Pressure: 200 psi

Port Size: SAE-24 (1-1/2″ tube) or SAE 1-1/2″ flange

Document No. V-FF-MC-0001-E

Inlet Strainers

OF3

Max Flow: 100 gpm

Port Size: 1″, 1-1/4″, 1-1/2″, 2″, 2-1/2″, and 3″ NPTF

Document No. V-FF-MC-0001-E

Pressure Filters

OFP 135

Max Flow: 40 gpm

Max Pressure: 6000 psi

Port Size: SAE-16 (1″ tube) or SAE 1″ flange

Document No. 5057.02/EN/1099/A

Spin-On Filters

OFRS60

Max Flow: 60 gpm

Max Pressure: 100 psi

Port Size: SAE-24 (1-1/2″ tube) or SAE 1-1/2″ flange

Document No. V-FF-MC-0001-E

Inlet Strainers

10F/50F/100F

Max Flow: 185 gpm

Max Pressure: 300 psi

Port Size: 1″ to 3-1/2″ SAE

Document No. V-FF-MC-0001-E

Pressure Filters

OFP 065

Max Flow: 20 gpm

Max Pressure: 6000 psi

Port Size: SAE-8 (1/2″ tube)

Document No. 5057.02/EN/1099/A

Pressure Filters

OFP 320

Max Flow: 100 gpm

Max Pressure: 6000 psi

Port Size: SAE-24 (1-1/2″ tube) or SAE 1-1/2″ flange

Document No. 5057.02/EN/1099/A

Pressure Filters

HF2P

Meets Automotive HF2 Specification

Max Flow: 24 gpm

Max Pressure: 3000 psi

Port Size: SAE-12 (3/4" tube)

Document No. V-FF-MC-0001-E

Pressure Filters

HF3PS

Meets Automotive HF3 Specification

Max Flow: 150 gpm

Max Pressure: 4500 psi

Port Size: Manifold Mount

Document No. V-FF-MC-0001-E

Pressure Filters

OFPM 006 Isolation

Max Flow: 10 gpm

Max Pressure: 4600 psi

Port Size: CETOP 3 Interface

Document No. V-FF-TD-0002-E

Breathers

BR 210 (particle blocking)

Max Flow: 300 gpm

Port Size: 1-1/2" x 16 Thread

Document No. 730

Pressure Filters

HF3P

Meets Automotive HF3 Specification

Max Flow: 150 gpm

Max Pressure: 6000 psi

Port Size: SAE-16 or SAE-24 or flange

Document No. V-FF-MC-0001-E

Pressure Filters

HF4P

Meets Automotive HF4 Specification

Max Flow: 150 gpm

Max Pressure: 5000 psi

Port Size: SAE-24 (1-1/2" tube) or 1-1/2" flange and subplate

Document No. V-FF-MC-0001-E

Breathers

BR 110 (water vapor and particle blocking)

Max Flow: 300 gpm

Port Size: 1-1/2" x 16 Thread

Document No. 730

Transfer Carts

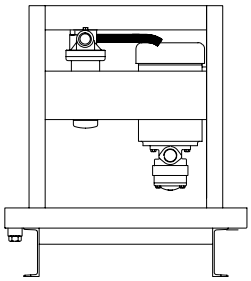
CC-Clean Cart

Max Flow: 7.5 or 10.5 gpm

Power Requirement: 115V-AC (.75 hp)

Document No. 601

Off-Line Filter Units



OLF-V2013

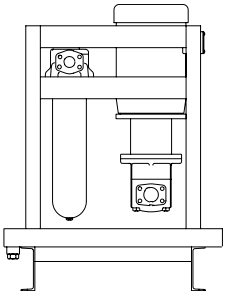
Max Flow: 19.5 gpm

Motor Size: 3 hp 1800 RPM 182 TYZ

Power Requirement: 230/460/3/60

Document No. 5063.01/EN/0497/A

Off-Line Filter Units



OLF-35V38

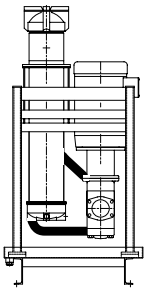
Max Flow: 57 gpm

Motor Size: 7.5 hp 1800 RPM 213 TC

Power Requirement: 230/460/3/60

Document No. 5063.01/EN/0497/A

Off-Line Filter Units



OLF 4525V

Max Flow: 120 gpm

Motor Size: 15 hp 1800 RPM 254 TC

Power Requirement: 230/460/3/60

Document No. 5063.01/EN/0497/A

Analysis Service

Fluid Analysis Service

Laboratory Fluid Analysis

Particle Count

Water Content

Viscosity

Spectrographic Analysis

Document No. 588

Off-Line Filter Units

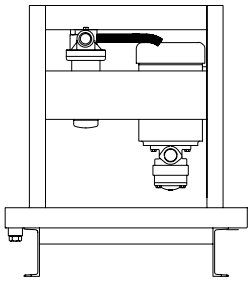
OLF-25V21

Max Flow: 31.5 gpm

Motor Size: 3 hp 1800 RPM 182 TYZ

Power Requirement: 230/460/3/60

Document No. 5063.01/EN/0497/A



Off-Line Filter Units

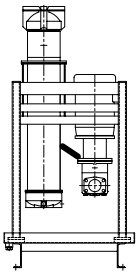
OLF-45V60

Max Flow: 90 gpm

Motor Size: 10 hp 1800 RPM 215 TC

Power Requirement: 230/460/3/60

Document No. 5063.01/EN/0497/A



Off-Line Filter Units

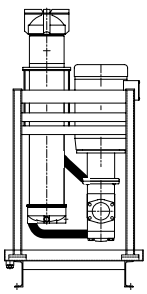
OLF-4535V

Max Flow: 150 gpm

Motor Size: 15 hp 1800 RPM 254 TC

Power Requirement: 230/460/3/60

Document No. 5063.01/EN/0497/A



Particle Counter

Particle Counter

TargetPro - Portable Particle Counter

Laser Technology

On-line, Bottle or Bailing Probe Sampling

ISO and NAS Reporting

Document No. 712

ProActive Maintenance Literature

Low and High Pressure Filters

Flows from 23 L/min (6 USgpm) to 1135 L/min (300 USgpm) Pressures from 7 bar (100psi) to 414 bar (6000 psi)

Document No.
V-FF-MC-0001-E

OFP, OFMT and OFRT Pressure and Return Line Filters

Max. working pressures from 3 to 420 bar (46 to 6100 psi), Flow rates from 10 to 2000 L/min (2.5 to 528.3 USgpm)

Document No.
5057.02/EN/1099/A

Competitor Filter Element Interchange

Document No.
V-FIFI-TM-001-E

Off-Line Filtration Unit

Flows to 150 USgpm (568 L/min)
Document No.
V-FF-TD-0001-E1

Clean Cart

Portable Filtering Transfer Unit Flows to 28,0 L/min (7.4 USgpm)
Document No.
501 11/94

Reservoir Vent Filters Spin-on Air Filters & Adapters

Document No.
730

The Complete Water Contamination Solution H20-Gate Vent Breather

Document No.
5027.00/E1/0398/P

The Systemic Approach to Contamination Control

Document No.
561 7/98

Target Cleanliness Worksheet

Systemic Contamination Control Fluid Analysis Service Report Worksheet for hydraulic fluid analysis
Document No.
578

Return On Investment Worksheet

Document No.
707

Fluid Analysis Service

Document No.
588 Rev 4/97

OFPM 006 Filter Specification

Document No.
V-FF-TD-0002-E

Target Pro Portable Particle Counter

Document No.
712 Revised 5/96

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