

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



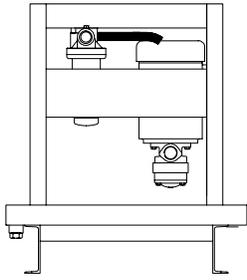
Transfer Carts

CC-Clean Cart

Max Flow: 7.5 or 10.5 gpm
Power Requirement: 115V-AC (.75 hp)
Document No. 601



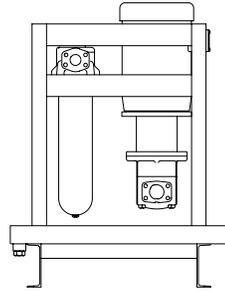
Off-Line Filter Units



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

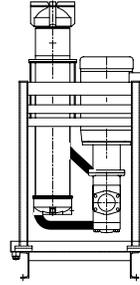
Off-Line Filter Units



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

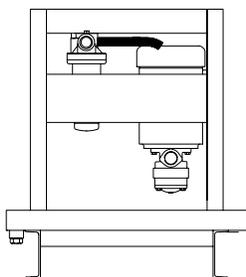
Analysis Service



Fluid Analysis Service

Laboratory Fluid Analysis
Particle Count
Water Content
Viscosity
Spectrographic Analysis
Document No.
588

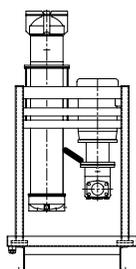
Off-Line Filter Units



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

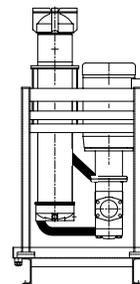
Off-Line Filter Units



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

Clean Cart

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

Target Cleanliness Worksheet

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

Target Pro Portable Particle Counter

Document No.
712 Revised 5/96

OFF, 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

Reservoir Vent Filters Spin-on Air Filters & Adapters

Document No.
730

Return On Investment Worksheet

Document No.
707

Competitor Filter Element Interchange

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

The Complete Water Contamination Solution H2O-Gate Vent Breather

Document No.
5027.00/E1/0398/P

Fluid Analysis Service

Document No.
588 Rev 4/97

Off-Line Filtration Unit

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

The Systemic Approach to Contamination Control

Document No.
561 7/98

OFFPM 006 Filter Specification

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

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