Precision Filtration Products

YOUR ONE STOP FOR FILTERS

SFC Spin-On Filter Cart

Flow rate up to 22 gpm (82 lpm)

Our **SFC Spin-On Filter Cart** is ideal for hydraulic fluids (ISO VG22 ~ ISO VG68). Our **SFC Filter Cart** is designed for filtering new fluids during transfer and replenishment, flushing fluids already in service, removing particulate and water contamination, and conditioning bulk oil before use. The two stage filtration offers the advantage of removing both particulate and water contamination.

The **SFC Filter Cart** is constructed with strong, lightweight aluminum cart with puncture-resistant tires. It is available with Beta 1000 rated Microglass and Water Absorbing filter elements. It also includes oil sampling ports on the inlet and outlet connections to provide ISO Code comparisons. This will allow you to meet your target ISO Cleanliness Codes and prolong the life of your equipment and fluids.

Advantages:

- BETA 1000 Rated Filter Elements per ISO 16889 Standards
- Water Removal Filter Elements
- Oil Sampling Ports
- True Differential Indicators
- 25 PSID By-pass
- ISO Viscosity Range of ISO VG22 to ISO VG68

Electrical Service Requirements

115VAC 60Hz 1P / 120VAC 50Hz 1P (standard)
see options table for other selections

Electric Motor Specifications

TEFC or ODP, 56C frame
SFC5: 1 HP, 1750 RPM, thermal overload reset
SFC10: 1 HP, 1750 RPM, thermal overload reset
SFC22*: 3 HP, 1750 RPM, thermal overload reset
*230VAC 1P or 440VAC 3P required for SFC22

Recommended Viscosity Range

SFC5*: 28 SSU ~ 2000 SSU, 6 cSt ~ 400 cSt
SFC10*: 28 SSU ~ 1000 SSU, 6 cSt ~ 200 cSt
SFC22*: 28 SSU ~ 1000 SSU, 6 cSt ~ 200 cSt
*At maximum viscosity clean element pressure drop with 3M media code < 12 psid/0.85 bar. Check maximum viscosity of oil in coldest condition. For high viscosity lubricating oils consider the LCFC series filter cart.

Pump Specifications

Gear pump
Internal relief full flow 100 psi, 6 bar standard

Motor Options

Class 1 explosion proof
Pneumatic Pump with Pulsation Dampener
50 Hertz, 3 Phase

Materials of Construction

Assembly Frame: Lightweight Aluminum
Tires: Rubber (puncture-resistant)
Filter Assembly: Aluminum head, Steel canister
25 psid bypass valve
True differential pressure indicator
Hoses: Med Pressure Hydraulic
Wands: Stainless Steel Wands Standard

Operating Temperature

Nitrile (Buna)	-40f to 150f
	-40c to 66c
Fluorocarbon (Viton)*	-15f to 200f
	-26c to 93c

*High temperature / phosphate ester design

Fluid Compatibility

Petroleum and mineral based fluids (standard).
For polyol ester, phosphate ester, and other specified synthetics use Viton seal option or contact factory.

Proudly Made In The U.S.A.

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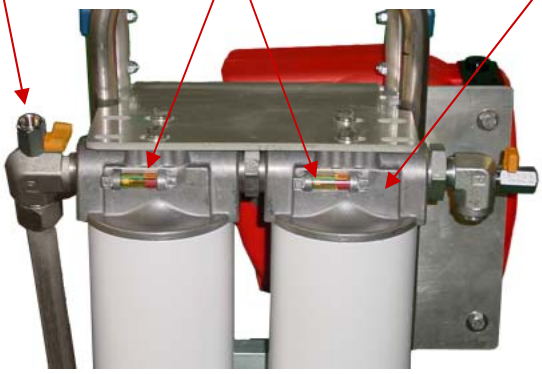
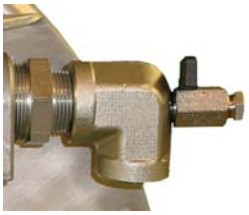




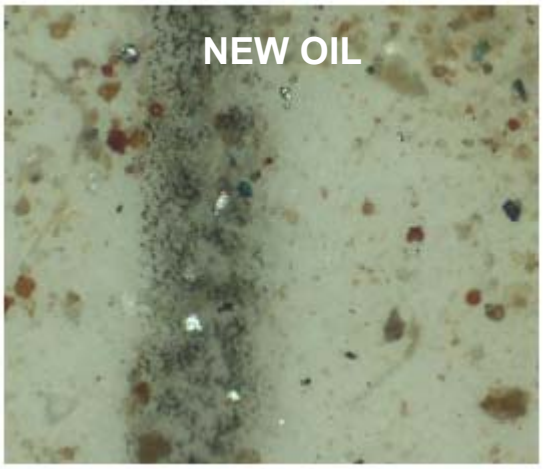
Sample Ports

Differential Pressure Indicators

Filtering New Oil - Particulate and Water

New oil is typically not clean oil, and might not be suitable for use in hydraulic and lube systems. During the production and transportation process new oil collects high levels of solid contaminant and water.

A common ISO code for new oil is 24/22/19. New oil is one of the worst sources of particulate contaminant system ingression. The SFC will effectively remove free water while capturing particulate with high efficiency. Free and dissolved water in hydraulic and lube systems leads to accelerated abrasive wear, corrosion of metal surfaces, increased electrical conductivity, viscosity variance, loss of lubricity, fluid additive breakdown, bearing fatigue, and more. The SFC series filter cart includes a wide range of element combination options to tackle any challenge.



Flush and Condition Existing Systems

The SFC is also effective for condition fluids that are already in service. Equipping hose ends and reservoirs with quick disconnect fittings allows you to use the SFC as a portable side loop system that can service several machines.

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YOUR ONE STOP FOR FILTERS

Reducing ISO Codes

Cleaner Fluid . . . Longer Component & Fluid Life . . . More UpTime!

Laboratory and field tests prove time and again that our filters consistently deliver lower ISO fluid cleanliness codes.

Improving fluid cleanliness means reduced downtime, more reliable equipment, longer fluid life, fewer maintenance hours, and reduces costly component replacement or repair expenses.

Roller Contact Bearing

Current ISO Code	Target ISO Code	Target ISO Code	Target ISO Code	Target ISO Code
	2 x Life	**3 x Life**	**4 x Life**	**5 x Life**
28/26/23	25/22/19	22/20/17	20/18/15	19/17/14
27/25/22	23/21/18	21/19/16	19/17/14	18/16/13
26/24/21	22/20/17	20/18/15	19/17/14	17/15/12
25/23/20	21/19/16	19/17/14	17/15/12	16/14/11
25/22/19	20/18/15	18/16/13	16/14/11	15/13/10
23/21/18	19/17/14	17/15/12	15/13/10	14/12/9
22/20/17	18/16/13	16/14/11	15/13/10	13/11/8
21/19/16	17/15/12	15/13/10	13/11/8	-
20/18/15	16/14/11	14/12/9	-	-
19/17/14	15/13/10	13/11/8	-	-
18/16/13	14/12/9	-	-	-
17/15/12	13/11/8	-	-	-
16/14/11	13/11/8	-	-	-
15/13/10	13/11/8	-	-	-
14/12/9	13/11/8	-	-	-

Hydraulic Component

Current ISO Code	Target ISO Code	Target ISO Code	Target ISO Code	Target ISO Code
	2 x Life	**3 x Life**	**4 x Life**	**5 x Life**
28/26/23	25/23/21	25/22/19	23/21/18	22/20/17
27/25/22	25/23/19	23/21/18	22/20/17	21/19/16
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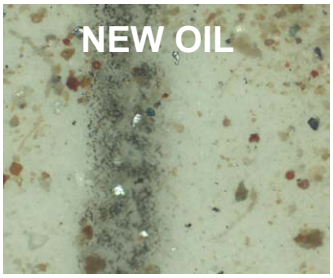
17/15/12	14/12/9	13/11/8	-	-
16/14/11	13/11/8	-	-	-
15/13/10	13/11/8	-	-	-
14/12/9	13/11/8	-	-	-

Develop a Fluid Cleanliness Target

PFP will help you develop a plan to achieve and maintain target fluid cleanliness. Arm yourself with the support, training, tools and practices to operate more efficiently, maximize uptime and save money.

New Oil is Typically Dirty Oil . . .

New oil can be one of the worst sources of particulate and water contamination.



25/22/19 is a common ISO code for new oil which is not suitable for hydraulic or lubrication systems. A good target for new oil clenliness is 16/14/11.

COOLANT FILTER CARTS

TRANSFER/REPLENISHMENT CARTS

VACUUM DEHYDRATORS

2-STAGE FLUSHING CARTS

MINI MAX HAND HELD FILTER UNIT

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