"Take your filtration process to another level.."

PHOSPHATE ESTER FILTRATION UNIT

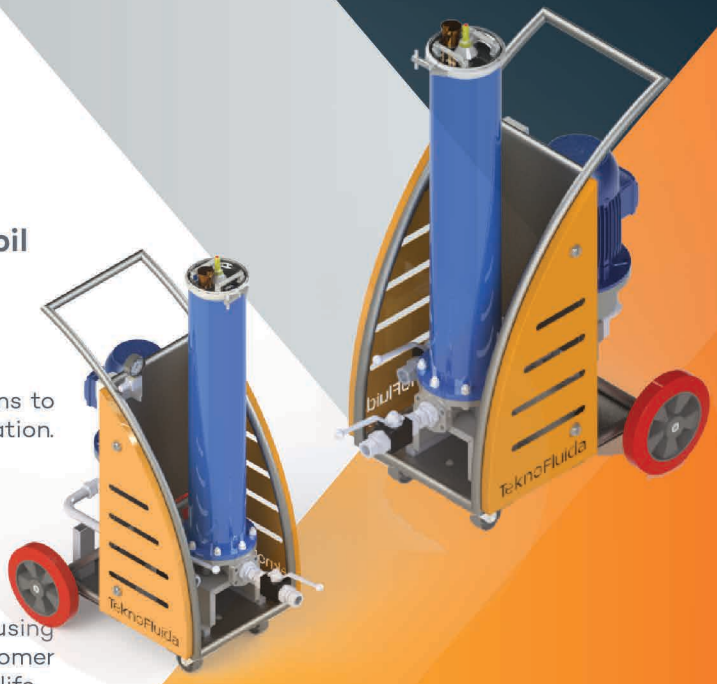
Reliable treatment solution for synthetic EHC oil

PRODUCT FEATURES

Portable and Stationary Filtration Units are supporting systems to prevent solid particulates pass through critical EHC-oil application. The system is designed to treat your synthetic oil with:

- ⌘ Compact and portable design
- ⌘ Fast cleaning time
- ⌘ High-efficiency filtration rating
- ⌘ Simple and convenient set up & maintenance

The system can afford the required cleanliness standards using ultra-fine filter element. It is an economical choice to fit customer requisition to optimized high separation efficiency and service life.



GENERAL SPECS	LOW FLOW SERIES	MEDIUM FLOW SERIES
Flow Rate (lpm)	30 / 60	80
Pressure (bar)	Max. 15	Max. 10
Pump Driven*	Electric Motor	
Optional Sensor	Water & Contamination Sensor / Flow Rate Totalizer	
Filter Rating	1 / 3 / 6 / 10 / 15 / 25 / 40 / 60	
Fluid Viscosity	4...3000 mm2/s	
Electrical Power	220 VAC or 380 VAC	

**other user specification to be consulted*

ACS REGISTRARS ISO 9001 2020

2021.07.TF.MFU.v01

TeknoFluida

CONTAMINATION CONTROL

"We make the world more productive systems, providing clever filtration & separation solutions to preserve your invested asset value."

An EHC system is exposed to fluid degradation over its entire service life. Hydrolysis, microdieseling, oxidation, thermal degradation and the formation of metal soaps are common issues. It creates many problems if contaminants is not removed properly.

Phosphate ester degradation that associated with oxidation due to heat, contamination, and hydrolysis is maintenance costly. Water and particulate must be filtered out and needs cost-wise solution to remove contaminants from oil without a complete oil change.

Our solution was proved to be very simple and easy to operate, yet it runs extremely effective to cleaning up contaminants in short time. We provide a comprehensive solution with online particulate monitoring system on board, allow our customer easy to monitor their valuable asset.

Unit operation is independent, but has direct impact for working cycles of the machine. Thus, the filter elements subtitution is safe without disturbing the working process of main machines.

UNIT FLOWRATE SIZING

Oil Viscosity (ISO VG)	Tank Volume (L)	Unit Flow Rate (L/min)
32 46 68	≤ 300	30
	≤ 800	60
	≤ 1500	80

ORDERING CODE*

MFU	30	P	06	F	02

Basic Model
MFU = Mobile Unit
SFS = Static Unit

Flow Rate
30 = 30 liter/min

Operating Fluid
P = Phosphate Ester
X = User Specs.

Filter Rating
03 = 3 Microm
06 = 6 Micron
10 = 10 Micron
X = User Specs.

Seal Material
N = NBR
F = FKM/Viton
X = User Specs.

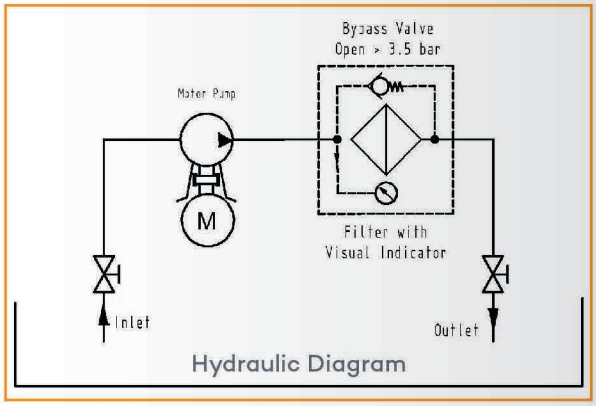
Power Supply
01 = 220 VAC
02 = 380 VAC

**Other user specification to be consulted*

CRITICAL PARAMETERS

For most EHC-oil phosphate ester applications, the critical parameter need to meet as follow:

1. Purity level: at least class 16/14/11 (ISO Class 4406:1999)
2. Water content: 200-500 ppm



Hydraulic Diagram

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