



## Filtration Systems

208 - 209

STAUFF Europe Filter Systems

208

STAUFF America Filter Systems

209

STAUFF Australia Filter Systems

209

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## STAUFF Europe

### Product Description

STAUFF Mobile Filtration Systems type SMFS are designed to cover a wide application range in the area of offline-filtration.

Being compact, powerful and robust the units assist the preventive maintenance, either when transferring fresh oils or purifying existing hydraulic and lubrication oil systems.

By selecting high-quality components, the SMFS is suitable for purifying small and medium size systems in a very short time or for a permanent offline-filtration on large hydraulic systems.

- High nominal flow rates of 15 l/min / 4 US GPM respectively 110 l/min / 30 US GPM by using high-quality gear pumps and energy-efficient, high-performance three phase motors suitable for continuous duty cycle
- Flexible use (mobile or stationary offline-filtration, filter elements available in different micron ratings)
- All Units are equipped with a 200 µm pre filter
- Drip pan for residual oil
- Easy and safe handling
- Rugged construction
- Filter elements with 4Pro media provide high dirt holding capacity and filtration performance
- Made in Germany



#### Type SMFS-P-015

- Portable hand-held unit
- Compact and light-weight design
- Very flexibility
- High-quality gear pump
- Nominal flow rate: max. 15 l/min / 4 US GPM
- Motor versions: 230 V 50 Hz or 400 V 50 Hz
- Micron rating available from 3 ... 125 µm
- Also available with a blank filter element for the reason of used oil to be removed from the hydraulic reservoir
- Weight: approx. 33 kg / 73 lbs



#### Type SMFS-U-030

- Mobile Filtration system
- Robust steel frame push cart
- Maximum flexibility
- High-quality gear pump
- Nominal flow rate: max. 30 l/min / 8 US GPM
- Motor versions: 230 V 50 Hz or 400 V 50 Hz
- Micron rating available from 3 ... 125 µm
- Water absorbing element SF-6721-W
- Also available with a blank filter element for the reason of used oil to be removed from the hydraulic reservoir
- Weight: approx. 58,5 kg / 129 lbs



#### Type SMFS-U-DL-015-G

- Extremely robust transport cart
- Heavy-duty rollers, steerable and with locking device on the rear end
- Convenient filling nozzle
- High-quality gear pump
- for 200 l / 52 US GAL oil drums
- Nominal flow rate: max. 15 l/min / 4 US GPM
- Motor versions: 230 V 50 Hz
- Spin-On filter Element of the series SFC-57/58 including visual clogging indicator
- Micron rating available from 3 ... 125 µm
- Water absorbing element SF-6721-W
- Weight: approx. 85 kg / 187 lbs (without oil drum)



#### Type SMFS-U-060

- Mobile Filtration system
- High nominal flow rates
- Long-term operating times
- High-quality gear pump
- Nominal flow rate: max. 60 l/min / 15 US GPM
- Motor unit 400 V 50 Hz
- Micron rating available from 3 ... 125 µm
- Weight: approx. 165 kg / 364 lbs



#### Type SMFS-U-110

- Mobile Filtration system
- High nominal flow rates
- Long-term operating times
- High-quality gear pump
- Nominal flow rate: max. 110 l/min / 30 US GPM
- Motor unit 400 V 50 Hz
- Micron rating available from 3 ... 125 µm
- Weight: approx. 177,2 kg / 391 lbs



#### Type SMFS-U-CM-110

- Mobile Filtration system
- High nominal flow rates
- Long-term operating times
- High-quality gear pump
- Integrated 8-channel particle counter
- Nominal flow rate: max. 110 l/min / 30 US GPM
- Motor unit 400 V 50 Hz
- Micron rating available from 3 ... 125 µm
- Weight: approx. 220 kg / 485 lbs

## Product Description

The Stauff portable filter carts, (SCFC & SPFC models), are very complete and efficient units capable of off line filtration, filling or emptying reservoirs or any application requiring the transfer or filtration of hydraulic fluid. Multi stage filtration can be achieved to extend element life. Both units are available with a variety of different spin on elements for quick and easy change to match the application requirements.



### Type SCFC-05 / 10

- Flow capability of 19 l/min / 5 GPM or 38 l/min / 10 GPM
- Single or three phase electric motor-1HP
- Thermal overload relays
- Welded frame cart
- Filter head with by-pass valve
- Visual clogging indicator
- On/Off buttons
- Weight: 52 kg / 115 lbs

The SCFC is a very lightweight and compact cart perfect for most maintenance departments. The cart is assembled with either a single or double head allowing for flexibility.

The SPFC comes standard with a suction element, (125 µm), and two double heads which maximizes the carts filtration capabilities. It is also available as a Condition and Monitoring cart which incorporates Stauff's LPM-II Particle monitor for accurate monitoring of the fluids cleanliness condition.



### Type SPFC-10

- Flow capability of 38 l/min / 10 GPM
- On/Off buttons with 10 foot power cord
- Single or three phase motor-1HP
- Heavy duty welded frame with drip pan and tool tray
- 3-way ball valve to by pass filters
- 3/6/12/25 µm and water absorption filter elements available
- Available as a drum cart
- Optional Condition and monitoring configuration
- Weight: 86 kg / 190 lbs

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## Product Description

STAUFF Mobile Filtration Systems type SPFC is designed to cover a wide application range in the area of offline-filtration. This is an essential tool for preventive maintenance, either when transferring new oils or purifying existing hydraulic and lubrication oil systems.

The Stauff Portable Filter Cart type SPFC is a very complete and practical unit utilising dual stage filtration 1. pre-filtration through magnetic core 2. final filtration through a 10 micron micro-glass element.

This system is designed for the transfer, draining or filling of reservoirs, or filtration of mineral oil based fluids for hydraulic systems & gear boxes limited to a viscosity range of 10-150 mm<sup>2</sup>/sec (cSt).

The application of the SPFC offers excellent mobility for maintenance, resulting in clean oil changes, increasing the lifetime of components and a higher availability of machinery.



### Type SPFC

- Flow: 23 l/min / 6 US GPM - Nominal
- Voltage: 240 V / 50 Hz
- Start/Stop station with 3 m / 9.84 ft cable
- Electric motor: 1450 RPM 0.55 KW
- Pump: Gear type 23 LPM @ 1450 RPM
- Filter: Magnetic Core (integral pre-filter)
- Element: 10 µm
- Bypass valve opens @ 1.5 bar / 18.12 PSI
- Seals/O-rings: Buna-N® Rubber
- Clogging Indicator: Clean ΔP= 1,25 bar / 18.12 PSI
- Weight: 53 kg / 117 lbs
- Dimensions (H x W x D): 1300 x 620 x 500 mm / 51.18 x 24.40 x 19.68 in

## STAUFF Australia and New Zealand

- Suction/Delivery Hoses: 3/4" ID x 3 m / 9.84 ft (Suction hose fitted with drum lance H: 900mm / 35.43 in)
- Heavy duty frame with solid rubber wheels
- Operation & maintenance manual
- Lockable storage box
- Drip tray
- Hose storage hooks
- Oil resistant rubber handle grips