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Product Description

STAUFF Offline and Bypass Filter Systems are designed to keep hydraulic and lubrication systems free of particles and water contamination. STAUFF OLS and BPS Units utilize the STAUFF Systems concept for the removal of contamination from hydraulic and lubrication systems. Desiccant Air Breathers, which clean and dry the air entering the reservoir, are also part of this contamination removal system.

STAUFF Systems will provide optimal system cleanliness for today's sophisticated hydraulic and lubrication systems.

- Increased flow capacity and dirt-hold capacity
- Prevention of channel forming by radial filtration direction
- Extremely clean oil due to the high filtration efficiency $\beta_{_{0,5}} \! \geq \! 200, \, \beta_{_2} \! \geq \! 2330$
- Compact and easy-maintenance design
- Longer usage life for oil and components

Material

 Housing: Anodized Aluminium, available with one, two or four filter housings in two different length

Housing Pressure

Max. 20 bar / 290 PSI

System Volume

Max. 10800 I / 2853 US GAL

Connections

G3/8, G1/2 and G3/4, Fitting with 18L connection

Differential Pressure

Max. 6,2 bar / 90 PSI

Max. +80 °C / +176 °F media temperature

Temperature

- Media Compatibility
- Mineral and lubrication oils, others on request

Options and Accessories

Clogging Indicators

Visual Clogging Indicators

Type BPS

- · Bypass filter units are especially designed for mobile
- Applications in hydraulic and/or transmission systems
- No special motor-pump unit is required



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Type OLS

- Offline Filter System with intergrated motor/pump unit
- Availab Special designed for industrial applications





Type OLSW

• Water absorbing filter elements with large water holding capacity



Type SMWV

- Designated oil purification unit, it dehydrates and cleans most types of oils such as lubricating, hydraulic, transformer and switch oils
- Efficient water, gas and particle removal
- System volume: max. 3.000 l / 795 gal
- Recirculating flow rate: 90 l/h / 23.8 gal/hr
- Backpressure: max. 1 bar / 14.5 PSI
- Extension of fluid life
- Reduces fluid disposal
- Minimizes corrosion
- Reduced failures and downtime
- Reduce operating costs





Pre-heating unit and extremely efficient filter elements
Increased flow capacity



Filter Element SRM-30/-60



Filter Element Design



Air Conditioners SDB / SVDB

System Contamination

In today's hydraulic market it is an accepted fact that contamination causes 70 % of all mechanical failures. This contamination results from the presence of solid particles such as metal, sand and rubber.

Changes in temperature cause water vapour to condense, resulting in unwanted water in the oil, the presence of this water accelerates the deterioration of the oil.

Mainstream filters are incapable of removing particles, smaller than 2 micron (better known as silt). Fluctuations in pressure and flow result in changing conditions preventing these filters from carrying out fine filtration; most of the silt remains in the system affecting the chemical composition of the oil.

All these problems lead to reduced oil life and increased component wear, maintenance costs and machine downtime.

Removing silt and preventing the formation of free water will combat these problems.

At the heart of the STAUFF Offline and Bypass Filter Unit is the unique microfilter element. This filter is designed with a radial flow path.

The element is constructed with 0,5 micron media and is therefore able to remove the smallest particles (silt) from the oil.

The filter material is composed primarily of cellulose, which is applied by a special wrapping method. Glass Fibre and water absorbing elements with 3-20 μ m are available on request.

The cellulose material is capable of retaining solid particles and absorbing water. This helps to prevent chemical deterioration of the oil and the formation of various acids and sludge.

Hydraulic cylinder extension for example, can draw air, solid contamination particles and water vapour into the oil reservoir.

The water vapour condenses due to temperature changes and causes not only oxidation of the oil, but can also lead to serious mechanical wear in the system.

Air Conditioning

Standard air filters remove a certain amount of solid particle contamination from the air but allow water vapour, to pass through.

The STAUFF "Air conditioners" type SDB and SVDB ensure that incoming air is first dried and then filtered. The SDB and SVDB units should be used in conjunction with the OLS / BPS Systems in order to provide a more complete filtering system. See Catalogue No. 10 - Hydraulic Accessories for more details.

Advantages

- Less mailfunction
- Protection of expensive main stream filters
- Less frequent oil changes
- Extended usable life of the oil
- Less machine downtimes

Characteristics

- A filter fineness of 0,5 micron $\beta_{0.5} \ge 200$, $\beta_2 \ge 2330$
- · Large particle collection capacity
- High filtration capacity due to depth effect
- Large water adsorption capacity
- Do not adversely affect viscosity or additives
- Do not remove additives
- Reduce the oxidation process
- Reduce the forming of acids
- · With two measuring points for particle counter or oil sampling
- Save Cost

Applications

- Mining
- Harvesting
- Forestry
- AgriculturalOff-road
- Fishing
- Road construction
- Cranes
- Airport equipment
- Airport equipmer
- Flight simulators
- Pulp and paperFood processing

- Presses
- Automotive industry
- Timber plants
- Plastic and rubber
- Metal industry
- Cement and concrete
- Material handling
- Bridges/Hydraulic locks/Water works
- Petrochemical industry
- Power stations
- MarineSteel



Offline and Bypass Filters Replacement Elements - Type SRM

Filter Element Technical Data

Element Model	SRM-30-H-B	SRM-60-H-B	SRM-30-E-01-B	SRM-60-E-01-B	SRM-30-E-03-B	SRM-60-E-03-B	SRM-30-EA	SRM-60-EA
Filter Material	Cellulose	Cellulose	Glass fibre	Glass fibre	Glass fibre	Glass fibre	Glass fibre and Polymer	Glass fibre and Polymer
Filtration Efficiency	$\beta_2 \ge 2331$	$B_2 \ge 2331$	$B_1 \ge 200$	$\beta_1 \ge 200$	$\beta_{_3} \ge 200$	$\beta_{_3} \ge 200$	$\beta_5 \ge 200$	$\beta_5 \ge 200$
Water Absorption Capacity	150 ml 5 oz	300 ml 10 oz	N/A	N/A	N/A	N/A	350 ml 11.8 oz	700 ml 23.6 oz
Nominal Flow per Element	2,1 l/min .6 GPM	4,2 l/min 1.2 GPM	2,1 I/min .6 GPM	4,2 I/min 1.2 GPM	2,1 I/min .6 GPM	4,2 l/min 1.2 GPM	2,1 I/min .6 GPM	4,2 I/min 1.2 GPM
Max. Viscosity at Nominal Flow Rate	180 cSt	180 cSt	800 cSt	800 cSt	800 cSt	800 cSt	800 cSt	800 cSt
Max. Oil Temperature	+80 °C +176 °F	+80 °C +176 °F	+80 °C +176 °F	+80 °C +176 °F	+80 °C +176 °F	+80 °C +176 °F	+80 °C +176 °F	+80 °C +176 °F
Lenght of Element	300 mm 11.8 in	600 mm 23.6 in	300 mm 11.8 in	600 mm 23.6 in	300 mm 11.8 in	600 mm 23.6 in	300 mm 11.8 in	600 mm 23.6 in
Sealing Material (Standard)	NBR (Buna-N®) and Silicone Rubber		NBR (Buna-N®)		NBR (Buna-N®)		NBR (Buna-N®)	
Other Sealing Material	Contact STAUFF							
Fluid Compatibility:								
Mineral Oils								
H, HI, HLP, HVLP	OK		ОК		OK		OK	
Biodegradable Oils								
HEPG Polethyleneglycol	Contact STAUFF				1		1	
HEES Synthetic ester	OK		OK		OK		OK	
HETG Vegetable seed oil	HETG Vegetable seed oil Contact STAUFF							
Fire Inhibiting Fluids								
HFA emulsions	NO		OK		OK		NO	
HFC glycol/water solution	NO		OK OK NO			NO		
HFD fluids no water content	Contact STAUFF						1	
Approximate Weight	0,8 kg		1,25 kg		1,25 kg		1,25 kg	
Approximate moight	1.8 lb 2.8 lb			2.8 lb			2.8 lb	

Filter Element SRM-30-H-B Δp / viscosity - graph

(at a flow of 2,1 I/min / .6 US GPM per element)



Filter Element SRM-30-E-01-B $\triangle P$ / Viscosity-Graph



Filter Element SRM-30-E-03-B $\triangle P$ / Viscosity-Graph



Filter Element SRM-30-EA $\triangle P$ / Viscosity-Graph





Offline Filters • Type OLS

Product Description

STAUFF Offline Filter Units can be applied to every imaginable industrial application where hydraulic or lubrication systems are present.

An integrated motor/pump unit draws fluid out of the tank, filters it and pumps clean oil back into the system. Offline Filter Units can continue to work even if the main system is not in use. The standard range offers filter units for reservoirs with a capacity of up to 10800 I / 2853 gal.

Over the years, STAUFF Systems have developed considerable experience in the hydraulic and lubrication market cleaning systems to levels not previously possible with conventional methods. The OLS is available with one, two or four filter housings and in two different lengths. The maximum flow for the Offline Unit goes from 2,1 ... 17 l/min / .55 ... 4.5 US GPM at a viscosity between 20 ... 160 cSt. For the OLS you can choose several different motor/pump units, for more information please see page 188 (Order code).

All Offline Filter Systems are available with air driven motors. These units are ideal for areas where electric power is unavailable or for hazardous locations.

Single Length (see page 184 / 185)



Double Length (see page 186 / 187)



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Dimensions OLS-1-30-H-B

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Dimensions OLS-2-30-H-B









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STAUFF

Top View



All dimensions in mm / in



Offline Filters - Type OLS

Dimensions OLS-4-30-H-B



All dimensions in mm / in

Technical Data

	0LS-1-30-H-B	0LS-2-30-H-B	0LS-4-30-H-B				
Number of Filter Housings	1	2	4				
Nominal Flow	2,1 l/min	4,2 l/min	8,4 I/min				
Nominal Flow	.55 US GPM	1.1 US GPM	2.22 US GPM				
May Differential Pressure	6,2 bar						
Max. Differential Tressure	90 PSI						
Max Eluid Temperature	+80 °C						
	+176 °F						
Max. Housing Pressure	20 bar						
	290 PSI						
Viscosity Range	20 160 cSt 100 750 SUS						
Connection Suction Side	G3/8 G1/2						
Connection Return Side	G1/2 G3/4						
Hose Diameter	1/2 in (inner diameter) flexible hose		3/4 in (inner diameter) flexible hose				
Weight (Including Element)	14 kg	21 kg	39 kg				
Weight (moldaling Element)	30.9 lbs	46.3 lbs	86 lbs				
Max, System Volume	1350	2700	5400				
	356 gal	713 gal	1426 gal				
Dimensions	428 x 324 x 189 mm	428 x 340 x 312 mm	523 x 494 x 335 mm				
HXWXD	16.85 x 12.75 x 7.44 in	16.85 x 13.38 x 12.28 in	20.59 x 19.44 x 13.18 in				
Connection for Online Particle Counter	STAUFF Test (M16 x 2)						
Pump	Gear pump						
Motor	See page 188 for electric motor details						
Connection Oil-Analysis: P1 filter inlet side P2 filter outlet side	Test connector (M16 x 2) Red Test connector (M16 x 2) Yellow						

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Offline Filters - Type OLS

Dimensions OLS-1-60-H-B

Dimensions OLS-2-60-H-B







All dimensions in mm / in

www.stauff.com/9/en/#186



Offline Filters - Type OLS

Dimensions OLS-4-60-H-B



Technical Data

	0LS-1-60-H-B	0LS-2-60-H-B	0LS-4-60-H-B				
Number of Filter Housings	1	2	4				
Nominal Flow	4,2 l/min	8,4 I/min	17 l/min				
Normai Flow	1.1 US GPM	2.22 US GPM	4.5 US GPM				
Max Differential Pressure	6,2 bar						
Max. Differential Tressure	90 PSI						
Max Eluid Tomporaturo	+80 °C						
	+176 °F						
Max Housing Pressure	20 bar						
Max. Housing Flessule	290 PSI						
Viscosity Bange	20 160 cSt						
viscosity nange	100 750 SUS						
Connection Suction Side	G1/2	G1/2	G3/4				
Connection Return Side	G1/2 G3/4						
Hose Diameter	1/2 in (inner diameter) flexible hose		3/4 in (inner diameter) flexible hose				
Weight (Including Element)	18 kg	30 kg	61 kg				
weight (including Liement)	39.7 lbs	66.1 lbs	134.5 lbs				
Max System Volume	2700 I	5400 I	10800 I				
Max. System volume	713 gal	1426 gal	2853 gal				
Dimensions	734 x 324 x 189 mm	720 x 340 x 312 mm	820 x 494 x 145 mm				
H x W x D	28.66 x 13.19 x 7.48 in	28.90 x 13.39 x 12.72 in	32.28 x 19.44 x 5.70 in				
Connection for Online Particle Counter	STAUFF Test (M16 x 2)						
Pump	Gear pump						
Motor	See page 188 for electric motor details						
Connection Oil-Analysis: P1 filter inlet side P2 filter outlet side	Test connector (M16 x 2) Red Test connector (M16 x 2) Yellow						

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Catalogue 9 - Edition 08/2019



Offline Filter Housings / Complete Filters = Type OLS

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20

5

E-05

E-10

E-20

EA

3,15 cc/rev.

6.1 cc/rev.

8,2 cc/rev.

11,3 cc/rev.

0,8 cc/rev.

60 Hz motor

1,25 cc/rev. 2,5 cc/rev.

5,0 cc/rev.

6,3 cc/rev.

10 cc/rev.

0LS - 1 -	30 - H - B - A -	01 - V - O
1 2	3 4 5 6	7 8 9
(1) Type	(5) Sealing Material	(8) Clogging Indicator
Offline Filter Unit OLS (for industrial applications)	NBR (Buna-N®) (standard) FKM (Viton®)	B Visual clogging indicator V
		Mounting Options
(2) Housing Configuration	6 E-motor Options	No options (standard) O
Single housing 1	Motor Type	Code Motor / pump right side mounted 1
Twin housing 2	230/400 V AC, 50 Hz, three phases, 1360 r/min	Motor / pump left side mounted 2
Quadruple housing 4	255/460 V AC, 60 Hz, three phases, 1630 r/min (50 Hz and 60 Hz standard)	Α
③ Filter Element Length	230 V AC, 50 Hz, single phase, 1360 r/min	G
300 mm / 11.81 in 30	110 V AC, 50 Hz, single phase	1
600 mm / 23.62 in 60	110 V AC, 60 Hz, single phase	J
	230 V AC, 60 Hz, single phase, 1630 r/min	н
④ Filter Material and Micron Rating		
Material Micron rating µm Code	Note: Special motors on request.	
Cellulose (standard) 0,5 H	Pump Options	
Inorg. glass fibre 1 E-01	50 Hz Motor Standard in	Code
Inorg. glass fibre 3 E-03	1,6 cc/rev. 0LS-1-30	00

0LS-2-30/1-60

0LS-4-30/2-60

0LS-4-60

Standard in

0LS-2-30/1-60

0LS-4-30/2-60

0LS-1-30

0LS-4-60

10

20

30

40

50

Code 01

11

21

31

41

Filter	Flements		Type	SRM
	LICITICITIS	-	Type	JUN

Inorg. glass fibre

Inorg. glass fibre

Inorg. glass fibre

Inorg. glass fibre and polymer (water absorption)



1) Туре	
Filter Element Series	SRM
② Filter Element Length	
300 mm / 11.81 in	30
600 mm / 23.62 in	60

(3) Filler Malerial and Micron Raling	3	Filter	Material	and	Micron	Rating
---------------------------------------	---	--------	----------	-----	--------	--------

\sim		· ·	
	Material	Micron rating µm	Code
	Cellulose (standard)	0,5	Н
	Inorg. glass fibre	1	E-01
	Inorg. glass fibre	3	E-03
	Inorg. glass fibre	5	E-05
	lnorg. glass fibre	10	E-10
	Inorg. glass fibre	20	E-20
	Inorg. glass fibre and polymer (water absorption)	5	EA

(4) Sealing Material

•	
NBR (Buna-N®) (standard)	В
FKM (Viton®)	v

Х

(5) Design Code

Only for information

Technical Data on Electric Motors used for OLS Filters (For air driven motors contact STAUFF)

E-motor	Standard Configuration	Description	Power in kW	Power in HP	Voltage 50 Hz	Amp 50 Hz	RPM 50 Hz	Voltage 60 Hz	Amp 60 Hz	RPM 60 Hz
I, J	0LS-1-30 0LS-2-30 0LS-1-60	M63 B3/B5 4P 110V MULTIVOLT	0,18	0.24	110 V AC	3,30		110 V AC	2,70	
G, H	0LS-1-30 0LS-2-30 0LS-1-60	M63 B3/B5 4P 230 MULTIVOLT	0,18	0.24	230 V AC	1,57		230 V AC	1,34	
Α	0LS-1-30 0LS-2-30 0LS-1-60	M63 B3/B5 4P 3PH MULTIVOLT	0,18	0.24	230/400 V AC	1,03 / 0,60		254/440 V AC	0,90 / 0,52	
Α	0LS-2-60 0LS-4-30	M63 B3/B5 4P 3PH MULTIVOLT	0,29	0.39	230/400 V AC	1,65 / 0,95	1460	254/440 V AC	1,47 / 0,85	1740
I, J	0LS-2-60 0LS-4-30 0LS-4-60	M71 B3/B5 4P 110V MULTIVOLT	0,37	0.50	110 V AC	6,10		110 V AC	5,20	
G, H	0LS-2-60 0LS-4-30 0LS-4-60	M71 B3/B5 4P 230V MULTIVOLT	0,37	0.50	230 V AC	3,00		230 V AC	2,65	
Α	0LS-4-60	M71 B3/B5 4P 3PH MULTIVOLT	0,37	0.50	230/400 V AC	1,90 / 1,10		254/440 V AC	1,60 / 0,93	



Water Absorbing Offline Filter • Type OLSW

Product Description

STAUFF Systems Units are characterized by their extremely efficient filter elements which are rated to 5 micron. Specially designed for industrial hydraulic installations the STAUFF Offline Filters are available in single or double length configurations. The Offline Filter Units can easily be mounted to new and existing hydraulic installations. By means of an integrated motor/pump unit and an Offline Filter, the oil is pumped from the reservoir through the filter unit and after filtering the oil is then returned to the tank.

Economical

The hydraulic market accepts that 80 % of mechanical failures are caused by contamination in the system. The STAUFF Water Absorbing Offline Filters attack this contamination at source and in addition to solid particles, these filters are also capable of removing large quantities of water from the oil. This prevents the catalytic reaction of water and solid particle contamination, resulting in extended useable oil life.

The application of STAUFF Filters results in lower component failure rates, less down time and less system maintenance.

Water Absorbing

STAUFF Water Absorbing Filters are Offline Units that use special water absorbing Spin-On Filter Elements as a pre-filter. The fluid is pumped through the pre-filter which removes most water and larger solid contamination, in the second stage the fluid passes through the STAUFF Micro Filter where final water removal takes place as well as solid removal down to 0,5 micron.

In recent years STAUFF Systems have developed a great deal of experience in cleaning and drying hydraulic and lubrication systems in the following markets:

- Steel industry
- Maritime industry
- Petrochemical industry
- Paper industry

Advantages

- Extremely clean oil due to the high filtration efficiency $\beta_{0.5} \ge 200, \beta_2 \ge 2330$
- Prevention of channel forming by radial filtration direction
- Increased flow capacity
- Increased dirt-hold capacity
- Large water holding capacity
- Compact and easy-maintenance design
- Longer usage life for oil and components





Water Absorbing Offline Filter - Type OLSW

Dimensions OLSW-1-30

Dimensions OLSW-1-60



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Top View



All dimensions in mm / in



Dimensions OLSW-2-30

Water Absorbing Offline Filter - Type OLSW

Dimensions OLSW-2-60



All dimensions in mm / in

Water Absorbing Offline Filter - Type OLSW

Dimensions OLSW-4-30



Dimensions OLSW-4-60

All dimensions in mm / in

Inlet 3/4" - BSP



Water Absorbing Offline Filter - Type OLSW

Technical Data OLSW

	OLSW-1-30-H-B	0LSW-1-60-H-B	0LSW-2-30-H-B	OLSW-2-60-H-B	OLSW-4-30-H-B	OLSW-4-60-H-B				
Number of Filter Housings	1	1	2	2	4	4				
Nominal Flow	2,1 l/min	4,2 l/min	4,2 l/min	8,4 l/min	8,4 l/min	16,8 l/min				
	.6 US GPM	1.1 US GPM	1.1 US GPM	2.2 US GPM	2.2 US GPM	4.4 US GPM				
Max, Differential Pressure	6,2 bar over the filter elem	nent without backpressure								
	90 PSI over the filter element without backpressure									
Water Absorbing Capacity	794 ml	1144 ml	1144 ml	1844 ml	1844 ml	3244 ml				
inator i moor bing capacity	25 oz.	38 oz.	38 oz.	62 oz.	62 oz.	109 oz.				
Max. Fluid Temperature	+80 °C									
	+170 F									
Max. Housing Pressure	20 Dai 200 PSI									
	20 160 cSt									
Viscosity Range	100 750 SUS									
Connection Suction Side	G3/8	G1/2	G1/2	G1/2	G1/2	G3/4				
Connection Return Side	G1/2	G1/2	G1/2	G1/2	G3/4	G3/4				
Hose Diameter	1/2 in (inner diameter) flexible hose 3/4 in flexibl									
Weight (including Floment)	18 kg	22 kg	25 kg	34 kg	43 kg	65 kg				
weight (including Element)	39.7 lbs	48.5 lbs	55. 1 lbs	75.0 lbs	94.8 lbs	143.3 lbs				
Max System Volume	1350	2700 I	2700	5400 I	5400 I	10800 I				
Wax. System volume	356 gal	713 gal	713 gal	1427 gal	1427 gal	2853 gal				
Dimensions	401 x 379 x 313 mm	706 x 379 x 313 mm	401 x 545 x 313 mm	706 x 545 x 313 mm	540 x 339 x 521 mm	928 x 341 x 494 mm				
HxBxL	15.78 x 14.92 x 12.32 in	27.79 x 14.92 x 12.32 in	15.78 x 21.45 x 12.32 in	27.79 x 21.45 x 12.32 in	21.25 x 13.34 x 20.51 in	36.53 x 13.42 x 19.44 in				
Pump	Gear pump									
Connection Oil-Analysis: P1 filter inlet side P2 filter outlet side	Test connector (M16 x 2) F Test connector (M16 x 2) Y	Red Yellow								





Water absorbing spin-on filter element



Viscosity in cSt

System Example Schematic Offline Filtration incl. Water Absorption



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Water Absorbing Offline Filter Housings / Complete Filters - Type OLSW

OLSW - 1	- 3	D - H - B	- A -	01	- V - O - A	
1 2	3) (4) (5)	6	$\overline{\mathcal{O}}$	8 9 10	
(1) Type		(5) Sealing Material			(8) Clogging Indicator	
Offline Filter Unit incl. water absorption	OLSW	NBR (Buna-N®) (standard	d)	В	Visual clogging indicator	V
(for industrial applications)	plications) FKM (Viton®) V					
O Mounting Options						
(2) Housing Configuration		6 E-motor Options No options (standard)				0
Single housing	1	Motor Type		Code		
Twin housing	2	230/400 V AC, 50 Hz, thr	ee phases, 1360 r/min		(10) Pre-Filter Elements	_
Quadruple housing	4	255/460 V AC, 60 Hz, three phases, 1630 r/min		Α	Water absorption element	
Ciltor Element Longth		(50 Hz and 60 Hz standard)			SF-6721-W (10 micron water absorbing,	Α
		230 V AC, 50 Hz, single p	hase, 1360 r/min	G	Dro filter elemente (norticles)	
300 mm / 11.81 m	30	110 V AC, 50 Hz, single pl	hase		without pre-filter element	0
600 mm / 23.62 m	60	110 V AC, 60 Hz, single pl	hase	J	SE-6702-MG (inorganic glass fiber 1 micron)	B
(A) Filter Material and Micron Bating		Note: Special motors on request			SE-6704-MG (inorganic glass fibre 3 micron)	C
Mioron		Note: Special motors on request.			SE-6707-MG (inorganic glass fibre, 6 micron)	D
Material rating µm	Code	7 Pump Options			SF-6731-MG (inorganic glass fibre, 12 micron)	E
Cellulose (standard) 0,5	н	50 Hz Motor	Standard in	Code	SF-6726-MG (inorganic glass fibre, 25 micron)	F
Inorg. glass fibre and polymer	EA	1.6 cc/rev	01 SW-1-30	00	SF-6721 (filter paper, 10 micron)	G
(water absorption)	EA	3 15 cc/rev	0LSW-1-60/2-30	10	SF-6711 (filter paper, 25 micron)	Н
		6.1 cc/rev.	0LSW-2-60/4-30	20	SF-6791 (wire mesh, 125 micron)	J
		11,3 cc/rev.	0LSW-4-60	40		
		60 Hz Motor	Standard in	Code		

1,25 cc/rev.

2,5 cc/rev.

5,0 cc/rev.

10 cc/rev.

Pre-Filter Elements Type SF-67

01

11

21

41



1 Pre-Filter Elements

0LSW-1-30

0LSW-4-60

0LSW-1-60/2-30

0LSW-2-60/4-30

~		
	Water absorption element	
	SF-6721-W (10 micron water absorbing, capacity 444 ml water)	A
	Pre-filter elements (particles)	
	without pre-filter element	0
	SF-6702-MG (inorganic glass fiber, 1 micron)	В
	SF-6704-MG (inorganic glass fibre, 3 micron)	C
	SF-6707-MG (inorganic glass fibre, 6 micron)	D
	SF-6731-MG (inorganic glass fibre, 12 micron)	Е
	SF-6726-MG (inorganic glass fibre, 25 micron)	F
	SF-6721 (filter paper, 10 micron)	G
	SF-6711 (filter paper, 25 micron)	Η
	SF-6791 (wire mesh, 125 micron)	J

Filter	Elements	• T	vpe	SRM
			760	•••••

G

SRM	- 30	- H ·	- B /	X		
\bigcirc	2	3	4	(5)		
1 Type Filter Ele	ment Series			SRM		
(2) Filter Element Length 300 mm / 11.81 in						
600 mm / 23.62 in 60						
Material			Micron rating µm	Code		
Cellulose	e (standard)		0,5	Н		
Inorg. gla (water al	ass fibre and po osorption)	lymer	5	EA		
(4) Sealing	Material					
NBR (Bun	a-N®) (standar	d)		В		
FKM (Vito	on®)			v		
(5) Design	Code					



Heated Offline Filters - Type OLSH

Product Description

STAUFF System Units are characterized by their pre-heating unit and extremely efficient filter elements with a fineness of 0,5 micron.

Specially designed for industrial hydraulic installations, the STAUFF Offline Filters are available in single or multiple housing configurations. The Offline Filter Units can easily be mounted to new and existing hydraulic installations.

By means of an integrated motor/pump unit and an Offline Filter, the oil is pumped from the reservoir through the filter unit and after filtering the oil is then returned to the tank.

Economical

The hydraulic market accepts that 70 % of the mechanical failures are caused by contamination in the system. The STAUFF Offline Filters attack this contamination at the source. In addition to solid particles, these filters are also capable of removing water from the oil. This prevents the catalytic reaction of water and solid particle contamination, resulting in extended usable of life.

The application of STAUFF Filters results in lower component failure rates, less down time and less system maintenance.

In recent years STAUFF Systems have developed a great deal of experience in cleaning and drying hydraulic and lubrication systems in the following markets:

- Steel industry
- Maritime industry
- Petrochemical industry
- Paper industry

Heated Offline Filters

The electric pre-heating ensures that the cold and/or high viscosity fluid is brought to a temperature with a suitable filtration viscosity. Offline Filters with pre-heating can be applied to new or existing installations. The integrated pump-motor combination draws fluid from the reservoir, pumps it through a heating element, filters the fluid and returns it to the reservoir.

Advantages

- Extremely clean oil due to the high filtration efficiency $\beta_{_{0,5}}\!\geq\!200,\,\beta_{_2}\!\geq\!2330$
- Prevention of channel forming by radial filtration direction
- Increased flow capacity
- Increased dirt holding capacity
- Large water holding capacity
- Compact and easy maintenance design
- Longer usage life for oil and components



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Heated Offline Filters - Type OLSH

Dimensions OLSH-1-30-H-B

Dimensions OLSH-1-60-H-B









Top View



All dimensions in mm / in



Heated Offline Filters - Type OLSH

Technical Data Heated Offline Filters

	OLSH-1-30-H-B	OLSH-1-60-H-B
Number of Filter Housings	1	1
Nominal Flow	2,1 l/min .6 US GPM	4,2 I/min 1.2 US GPM
Max. Differential Pressure	6,2 bar 90 PSI	
Max. Fluid Temperature	+80 °C +176 °F	
Max. Housing Pressure	20 bar 290 PSI	
Heater Capacity	2 kW	
Connection Suction Side	G3/8	G1/2
Connection Return Side	G1/2	G1/2
Hose Diameter	1/2 in (inner diameter) flexible hose	3/4 in (inner diameter) flexible hose
Weight (including Element)	24 kg 44 lbs	28 kg 62 lbs
Max. System Volume	1350 l 356 gal	2700 l 713 gal
Dimensions H x W x D	567 x 475 x 188 mm 22.32 x 18.70 x 7.40 in	869 x 475 x 188 mm 34.21 x 18.70 x 7.40 in
Connection for Online Particle Counter	STAUFF Test (M16 x 2)	STAUFF Test (M16 x 2)
Pump	Gear Pump	
Motor	See page 196 for electric motor details	
Connection Oil-Analysis: P1 filter inlet side P2 filter outlet side	Test connector (M16 x 2) Red Test connector (M16 x 2) Yellow	

STAUFF Heating Efficiency Curve



Heated Unit Hydraulic Schematic



® STAUFF

Heated Offline Filter Housings / Complete Filters - Type OLSH

OLS	H - 1	1 -	30 - H -	B - A	- 0	0 - V - O	
Û		2	3 4	5 6	Ċ		
(1) Type			(5) Sealing Material			(8) Clogging Indicator	
Heated Offline Filter Unit		OLSH	NBR (Buna-N®) (standard)		В	Visual clogging indicator	
(for industrial applications)			FKM (Viton®)		v	A Marinetine Ontine	
Housing Configuration			C E-Motor Options			(9) Mounting Options	
2 Housing Configuration		1			Codo	NO OPTIONS (STANDARD)	
Single housing					COUC		
③ Filter Element Length			255/460 V AC, 50 Hz, three	e phases, 1360 r/min e phases, 1630 r/min	Α		
300 mm / 11.81 in		30	(50 Hz and 60 Hz standard)) /			
600 mm / 23.62 in		60	230 V AC, 50 Hz, single pha	ase	G		
			230/400 V AC, 50 Hz, three	e phases, IP65	A-IP65		
(4) Fliter Material		_	230 V AC, 60 Hz, single pha	ase, 1630 r/min	н		
Material	Micron Rating µm	Code	Noto: Special motors on ro	ruoot			
Cellulose (standard)	0,5	н	Note: Special motors on rec	Juesi.			
Inorg. glass fibre	1	E-01					
Inorg. glass fibre	3	E-03	(7) Pump Options				
Inorg. glass fibre	5	E-05	Standard for 50 Hz Motor	Standard for	Code		
Inorg. glass fibre	10	E-10	1,6 cc/rev.	0LSH-1-30-H-B	00		
inorg. glass fibre	20	E-20	3,15 cc/rev.	0LSH-1-60-H-B	10		
inorg. glass fibre and polymer (water absorption)	5	EA	1.0 cc / rev.		60		
			60 Hz Motor	Standard in	Code		
			1,25 cc / rev.	0LSH-1-30-H-B	01		
			2,5 cc / rev.	0LSH-1-60-H-B	11		

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Filter Elements • Type SRM

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							7
	S	RM	- 30	- [H]	- B	/]	< l
		(1)	2	3	4	E	5)
1) Туре		③ Filte	r Material and	d Micron R	ating		④ Sealing Material
Filter Element Series	SRM	Mate	erial		Micron rating µm	Code	NBR (Buna-N®) (standard) FKM (Viton®)
(2) Filter Element Length		Cellu	lose (standard)		0,5	Н	
300 mm / 11.81 in	30	Inorg	. glass fibre		1	E-01	(5) Design Code
600 mm / 23.62 in	60	Inorg	ı. glass fibre		3	E-03	Only for information
		Inorg	. glass fibre		5	E-05	
		Inorg	ı. glass fibre		10	E-10	
		Inorg	. glass fibre		20	E-20	

Inorg. glass fibre and polymer (water absorption)



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Bypass Filters • Type BPS

Description

STAUFF BPS Bypass Filter can be used for OEM first fit applications as well as for retro-fitting. The filtration is done in a bypass configuration from the main hydraulic system.

The STAUFF BPS Filter Systems are available with one filter housing (BPS-1A, maximum flow 2,1 I/min / .6 US GPM) or with two filter housings (BPS-2A, maximum flow 4,2 I/min / 1.1 US GPM) at a viscosity between 20 ... 160 cSt. The STAUFF Bypass Filter Units are especially designed for mobile applications in hydraulic and/or transmission systems.

In the absence of a pumped system, the oil is drawn from the main system by means of a specially designed and integrated flow valve. The amount of oil extracted at any time is insignificant therefore ensuring that it will not affect the working of the main system. Most commonly used biodegradable oils in the mobile sector are suitable for filtration with STAUFF Filter Elements.

STAUFF Systems have been applied on a wide range of mobile hydraulic machinery, cleaning fluids to levels not previously possible with conventional filtration methods, resulting in dramatic increases in component life.

Material

Housing: Anodized Aluminium

Differential Pressure

Max. 6,2 bar / 90 PSI

Temperature Range

Max. +80 °C / +176 °F media temperature

Media Compatibility

Mineral and lubrication oils, others on request

Options and Accessories (only for BPS)

Clogging Indicators

Visual clogging indicators

Valves

- Available with flow control valve



Type BPS

- Bypass filter units are especially designed for mobile applications in hydraulic and/or transmission systems
 No special motor-pump unit is required
- Housing pressure: max. 20
- Nominal flow rate:
- System volume:
- Connections:
- Pressure range:
- max. 20 bar / 290 PSI max. 4,2 l/min / 1.1 US GPM max. 1350 l / 356 gal
- G1/4, G1/2
- 12 ... 420 bar / 180 ... 6200 PSI



Type BPS

- Bypass filter units are especially designed for mobile
- applications in hydraulic and/or transmission systems No special motor-pump unit is required
- Housing pressure: Nominal flow rate:
- System volume:
- Connections:
- Pressure range:
- max. 20 bar / 290 PSI max. 4,2 l/min / 1.1 US GPM
- max. 2700 l / 713 gal G1/4, G1/2
- 12 ... 420 bar / 180 ... 6200 PSI

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Dimensions BPS-1-30-H-B

Dimensions BPS-2-30-H-B



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STAUFF

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Inlet 1/4" - BSP



Bypass Filters • Type BPS

Technical Data BPS

	BPS-1-30-H-B	BPS-2-30-H-B	
Number of Filter Housings	1	2	
Nominal Flow Poto	2,1 I/min	4,2 l/min	
Nominal Flow hate	.6 US GPM	1.1 US GPM	
Max Differential Pressure	6,2 bar over the filter element without back pressure		
Max. Differential Flessure	90 PSI over the filter element without back pressure		
Max Eluid Temperature	+80 °C		
Max. Fluid Temperature	+176 °F		
Max Housing Pressure	20 bar		
max nousing rossure	290 PSI		
Viscosity Range	20 160 cSt		
	100 750 SUS		
Connection Pressure Side	G1/4		
Connection Return Side	G1/2		
Hose Diameter	3/8 1/2 in (inner diameter) flexible hose		
Weight (including Flement)	6 kg	13 kg	
Toight (moldaring Lionionity	13.2 lbs	28.7 lbs	
Max System Volume	750	1500	
	200 gal	400 gal	
Dimensions	410 x 190 x 178 mm	410 x 340 x 178 mm	
H x W x D	16.14 x 7.48 x 7.00 in	16.14 x 13.38 x 7.00 in	
Connection for On-Line Particle Counter	STAUFF Test (M16 x 2)		
Proseuro Pango	12 420 bar		
Fressure hange	180 6200 PSI		
Connection Oil-Analysis: P1 filter inlet side P2 filter outlet side	Test connector (M16 x 2) Red Test connector (M16 x 2) Yellow		

Bypass Filter Housings / Complete Filters - Type BPS

BP	S - 1	- 30 - H -	B - [V -	0 - 0	
1	2	3 4	5 (6	7 8	
(1) Type		(4) Filter Material and Micro	on Rating		6 Clogging Indicator	
Bypass Filter Unit (for mobile applications)	BPS	Material	Micron Bating um	Code	Visual clogging indicator	V
		Cellulose (standard)	0.5	н	(7) Valve Options	
(2) Housing Configuration		Inorg, glass fibre	1	E-01	With flow control valve (standard)	0
Single housing	1	Inorg. glass fibre	3	E-03	Without flow control valve	1
Twin housing	2	Inorg. glass fibre	5	E-05		
		Inorg. glass fibre	10	E-10	(8) Mounting Options	
③ Filter Element Length		Inorg. glass fibre	20	E-20	No bracket (standard)	0
300 mm / 11.81 in	30	Inorg. glass fibre and polymer	5	EA	With standard foot / bulk head mounting bracket	1
		(water absorption)			With "bulk head mounting only" bracket	2
		Cooling Material			With standard 'OLS' wall mounting bracket	3
		NRP (Runa, N@) (standard)		P		
		FKM (Viton®)		V		
				•		
Filter Elements Type SRM						
	C	DM 20	u D	/	V	
	3		<u>п</u> -р		<u>^</u>	
			3 4	(5	
			9 0		<u> </u>	
(1) Type		(3) Filter Material and Micro	on Rating		(4) Sealing Material	
Filter Element Series	SRM		Micron	0.1	NBR (Buna-N®) (standard)	В
		material	Rating µm	Code	FKM (Viton®)	۷
② Filter Element Length		Cellulose (standard)	0,5	Н		
300 mm / 11.81 in	30	Inorg. glass fibre	1	E-01	(5) Design Code	
		lnorg. glass fibre	3	E-03	Only for information	Х
		Inorg. glass fibre	5	E-05		

E-10

E-20

EA

10

20

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Inorg. glass fibre

Inorg. glass fibre

Inorg. glass fibre and polymer (water absorption)



Bypass and Offline Filters - Type OLS / BPS

Offline Filter OLS Hydraulic Symbol





Bypass Filter BPS Hydraulic Symbol

G

Filter Element SRM-30-HB Δp / viscosity - graph

(at a flow of 2,1 l/min / .6 US GPM per element)







Flow Characteristics Bypass Filter BPS with Filter Element SRM-30-H-B (at maximum viscosity)













Mini Water Vac - Type SMWV



Mini Water Vac Vacuum Dehvdration Unit

one filter housing

Eloxated Aluminium

Product Description

The Mini Water Vac is a designated oil purification unit which can be applied directly to various types of machine reservoirs. It dehydrates and cleans most types of oils such as lubricating, hydraulic, transformer, and switch oils. The Mini Water Vac is a self-regulating filtration unit which removes particles, gas, and water. The purified oil satisfies the most stringent quality requirements.

The Mini Water Vac neither removes or alters oil additives. The water removal process is based on pure vacuum evaporation inside a vacuum chamber at a maximum temperature of +65 °C / +149 °F. Solid particle removal is achieved through a well proven STAUFF Systems Micro Filter.

Simple Operation

The Mini Water Vac does not require continuous supervision while operating. Once the unit is connected and commissioned, oil purification is a semi-automatic process. Desired oil temperature can be selected via the integrated heater thermostat. The dehydration and filtering process is fully automatic and is controlled via the PLC. The only manual action required is the emptying the pre-condenser bowl and the waste water container which are equipped with float switches to prevent overflow.

Water, Gas and Particle Removal

The Mini Water Vac removes liquid, gas, and solid particle contamination, which are corrosive and contribute to the reduction of machine life. Contamination greatly increases maintenance costs and contribute to breakdowns and total machine failures. The Mini Water Vac offers protection against malfunctions, breakdowns or total failures. The Mini Water Vac also protects the environment by reducing oil consumption and oil disposal.

Benefits

Removals

Dimensions

Electrical Data

Power supply

Max. current

Process Control PLC unit

Heater section

Vacuum section

Voltage

Weight • 130 kg / 287 lbs

Efficient water, gas and particle removal

• 100% of free water, >80% of dissolved water

100% of free gases, >80% of dissolved gases

1200 x 740 x 450 mm / 47.3 x 29.1 x 17.7 in

230/400 V AC, 50 Hz 255/460 V AC, 50 Hz

0,037 kW vacuum pump

3 phases

2 kW

3 Amps

- Extension of fluid life
- Reduces fluid disposal
- Minimizes corrosion
- Reduced failures and downtime
- Reduce operating costs

Technical Data

Construction

G

SMWV-1-30:

Materials

- Filter housing
- Vacuum chamber Eloxated Aluminium
 Heater chamber Eloxated Aluminium
- Heater chamber El

Port Connections

- Inlet G1Outlet G1/2
- Online particle counter STAUFF Test (M16x2)

Max. System Volume

30001/795 gal

Recirculating Flow Rate

90 l/h / 23.8 gal/hr

Max. Backpressure

1 bar / 14.5 PSI

Max. Heater Temperature +65 °C / +149 °F

Filter Element

204

• 1 micron inorganic glass fibre element $\beta_1 > 200$

Media Compatibility

- Viscosity between 20 ... 500 cSt
- Max. attainable water content 100 ppm





Mini Water Vac • Type SMWV

Dimensions SMWV-1



Top View 740 29.13 450 17.72

Schematic



Mini Water Vac • Type SMWV



1 Type	
Mini Water Vac Oil Purifier	SMWV
(for industrial applications)	
② Housing Configuratio	n
Single housing	1
_	
③ Filter Element Length	
300 mm / 11.81 in	30

④ Filter	Material	and	Micron	Rating
----------	----------	-----	--------	--------

~			
	Material	Micron Rating µm	Code
	Cellulose (standard)	0,5	H
	Inorg. glass fibre	1	E-01
	Inorg. glass fibre	3	E-03
	Inorg. glass fibre	5	E-05
	lnorg. glass fibre	10	E-10
	Inorg. glass fibre	20	E-20
	Inorg. glass fibre and polymer (water absorption)	5	EA
5	Sealing Material		
	NBR (Buna-N®) (standard)		В
	FKM (Viton®)		V

6 Onti

)	E-motor Options		
	Туре	Code	
	230/400 V AC, 50 Hz, three phases, 1360 r/min 255/460 V AC, 60 Hz, three phases, 1630 r/min	Α	

All dimensions in mm / in







Filtration Systems	208 - 209
STAUFF Europe Filter Systems	208
STAUFF America Filter Systems	209
STAUFF Australia Filter Systems	209





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.



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 2001/52 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)



- Flexible use (mobile or stationary offline-filtration, filter elements available in different micro 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-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 timesHigh-quality gear pump
- mgn-quanty gear pum
- 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-chanel particle counter
- Nominal flow rate: max. 110 l/min / 30 US GPM
- Motor unit 400 V 50 Hz
- Micron rating available from 3 \dots 125 μm
- Weight: approx. 220 kg / 485 lbs



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STAUFF America

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.

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 SCFC-05 / 10

- Flow capability of 19 I/min / 5 GPM or 38 I/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 butons
- Weight: 52 kg / 115 lbs



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

STAUFF Australia and New Zealand

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^2/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:

Voltage:

23 I/min / 6 US GPM - Nominal

Gear type 23 LPM @ 1450 RPM

Magnetic Core (integral pre-filter)

1450 RPM 0,55 KW

- 240 V / 50 Hz
- Start/Stop station with 3 m / 9.84 ft cable
- Electric motor:
- Pump: · Filter:
- Element:
- Bypass valve opens @ 1,5 bar / 18.12 PSI
- Seals/O-rings:
- Clogging Indicator: Clean △P= 1,25 bar / 18.12 PSI · Weight:
 - 53 kg / 117 lbs

10 µm

Dimensions (H x W x D): 1300 x 620 x 500 mm / 51.18 x 24.40 x 19.68 in

Buna-N® Rubber

www.stauff.com/9/en/#209

- 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





Product-Specific Abbreviations	212 - 213
Global Contact Directory	214 - 215



Product-Specific Abbreviations

Abbreviation	Product Category	Product Description	Page
BPS	Offline and Bypass Filters	Bypass Filters	199
HI	Pressure Filters	Clogging Indicator for Pressure Filters	54
НМ	Pressure Filters	Clogging Indicator for SMPF Series	63
HVB	Pressure Filters	Bypass valve	53
HVM	Pressure Filters	Multi-function valve	53
HVN	Pressure Filters	Non-return valve	53
HVO	Pressure Filters	Non-bypass standard insert	53
HVR	Pressure Filters	Reverse flow valve	53
Limit-Switch	Return-Line Filters	Electrical Clogging Switch for RF Series	73
Limit-Switch	Return-Line Filters	Electrical Clogging Switch for RFA Series	81
Limit-Switch	Return-Line Filters	Electrical Clogging Switch for RFB Series	89
Limit-Switch	Return-Line Filters	Electrical Clogging Switch for RFS Series	99
Limit-Switch	Return-Line Filters	Electrical Clogging Switch for RTF Series	125
Limit-Switch	Spin-On Filters	Electrical Clogging Switch for Spin-On Filters	177
OLS	Offline and Bypass Filters	Offline Filters	183
OLSH	Offline and Bypass Filters	Heated Offline Filters	195
OLSW	Offline and Bypass Filters	Water Absorbing Offline Filters	189
RA	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Oils	Filter Elements for Return-Line Filters	122
RE-014	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Oils	Filter Elements for Return-Line Filters	72
RE-022	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Oils	Filter Elements for Return-Line Filters	88
RE-030	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Oils	Filter Elements for Return-Line Filters	80
RE-045	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Oils	Filter Elements for Return-Line Filters	98
REA	Return-Line Filters	Air Filter Element for RFB Series	88
REL	Replacement Filter Elements	Filter Elements for In-Line Filters SRFL-SW Series	146
RF	Return-Line Filters	Return-Line Filters for Tank-Top Mounting	69
RFA	Return-Line Filters	Return-Line Filters for Tank-Top Mounting	77
RFB	Return-Line Filters	Return-Line Filters for Tank-Top Mounting	85
RFS	Return-Line Filters	Return-Line Filters for Tank-Top Mounting	93
RFS-D	Return-Line Filters	Return-Line Filters for Tank-Top Mounting	93
RTE-20	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Oils	Filter Elements for Return-Line Filters	110
RTE-25	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Oils	Filter Elements for Return-Line Filters	106
RIE-4/	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Ulis	Filter Elements for Return-Line Filters	112
RIE-48	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Oils	Filter Elements for Return-Line Filters	114/112
RIE-49	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Oils	Filter Elements for Return-Line Filters	112
RIE-58	Replacement Filter Elements for Applications involving Hydraulic and Lubrication Oils	Filter Elements for Return-Line Filters	118
NIEA DTE 10/15/05	Return-Line Filters	All Filler Element for Tapk Tap Mounting	102
RIF-10/15/25	Return Line Filters	Return Line Filters for Tank Top Mounting	103
	Deturn Line Filters	Return Line Filters for Tank Tan Mounting	107
	Return Line Filters	Return Line Filters for Tank Tan Mounting	115
	Deturn Line Filters	Return Line Filters for In Tank Mounting	110
NIF-N SAE-05/06/07/11	Spin On Filtere	Spin On Filter Heade	152
SAI-03/00/07/11	Spin-On Filtere	Spin-On Filter Heade	154
SRK	Penlacement Filter Elements for Single, Double and Automatic Filters	Spin-On File Flewants, Basket and Ring Sieves	32
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Global Contact Directory

STAUFF products and services are globally available through wholly-owned subsidiaries and a tight network of authorised distributors and representatives in all major industrial regions of the world.

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Germany

Europe France

STAUFF S.A.S.

www.stauff.fr

STAUFF LLC

Building 1

230, Avenue du Grain d'Or

Z.I. de Vineuil - Blois Sud

Tel.: +33 2 54 50 55 50

Fax: +33 2 54 42 29 19

Russian Federation

19, Leninskaya Sloboda

Tel: +7 495 276 16 50

Fax: +7 495 276 16 51

E-Mail: sales@stauff.ru

Further branch offices in Engels, Volzhskiy, Magnitogorsk, Nizhny Novgorod and St. Petersburg.

Moscow, 115280

www.stauff.ru

E-Mail: direction@stauffsa.com

41354 Vineuil-cedex



Walter Stauffenberg GmbH & Co. KG Im Ehrenfeld 4 58791 Werdohl Tel.: +49 2392 91 60 Fax: +49 2392 91 61 03 E-Mail: sales@stauff.com **www.stauff.com**



Neuenrade-Küntrop Logistics Centre Wasserburgstraße 35 58809 Neuenrade



Plettenberg-Ohle Production Site Lennestraße 2 58840 Plettenberg



Meinerzhagen Production Site Neugrünenthal 58540 Meinerzhagen

STAUFF UK Ltd. Block B, 9 Ferguson Drive Knockmore Hill Industrial Estate Lisburn, County Antrim, BT28 2EX Tel.: +44 2892 60 69 00 Fax: +44 2892 60 26 88

Ireland

United Kingdon

www.stauff.co.uk

STAUFF UK Ltd.

500, Carlisle Street East Off Downgate Drive Sheffield, S4 8BS Tel.: +44 114 251 85 18 Fax: +44 114 251 85 19 E-Mail: sales@stauff.co.uk www.stauff.co.uk

E-Mail: sales@stauffireland.com

Italy

STAUFF Italia s.r.l Via Borima 21 (Frazione Borima) 23867 Suello (LC)

Tel.: +39 031 65 84 94 Fax: +39 031 65 50 05 E-Mail: sales@stauff.it www.stauff.it

STAUFF UK Ltd. Badentoy Avenue Badentoy Industrial Estate Portlethen, Aberdeen, AB12 4YB Tel.: +44 1224 78 61 66 Fax: +44 1224 78 61 77 E-Mail: sales@stauffscotland.co.uk www.stauff.co.uk

Poland

STAUFF Polska Sp. z o.o. Miszewko 43 A 80-297 Banino

Tel.: +48 58 660 11 60 Fax: +48 58 629 79 52 E-Mail: sales@stauff.pl www.stauff.pl

STAUFF UK Ltd. Unit 9, Southampton Trade Park Third Avenue, Millbrook Southampton, S015 0AD Tel: +44 2380 69 87 00 Fax: +44 2380 69 87 01 E-Mail: sales@stauffsouthampton.co.uk www.stauff.co.uk

North America

Canada

STAUFF Canada Ltd. 866 Milner Avenue Scarborough Ontario M1B 5N7 Tel.: +1 416 282 46 08 Fax: +1 416 282 30 39 E-Mail: sales@stauffcanada.com www.stauffcanada.com

United States

STAUFF Corporation 7 Wm. Demarest Place Waldwick, 07463-1542

New Jersey Tel.: +1 201 444 78 00 Fax: +1 201 444 78 52 E-Mail: sales@stauffusa.com www.stauffusa.com

Further branch office in Canton, Michigan.

South America

Brazil

STAUFF Brasil Ltda. Avenida Gupê 10767 Galpão 2 - Bloco A Barueri, São Paulo, CEP 06422-120 Tel.: +55 11 47 72 72 00 Fax: +55 11 47 72 72 10 E-Mail: stauff@stauffbrasil.com **www.stauffbrasil.com**

STAUFF

Global Contact Directory



Asia

China

STAUFF CHINA

Building 1, No. 128, Die Qiao Road Jushuo Industrial Zone, Kang Qiao Shanghai, 201319 Tel.: +86 21 68 18 70 00 Fax: +86 21 68 18 71 36 E-Mail: info@stauff.com.cn www.stauff.com.cn

Malaysia

STAUFF South East Asia Sdn Bhd No. 8, Jalan SS13/6A Subang Jaya Industrial Estate 47500 Subang Jaya Tel.: +60 3 5637 78 88 Fax: +60 3 5636 78 90 E-Mail: sales@stauff.com.my www.stauff.com.my Further branch offices in Beijing, Changsha, Chengdu, Changchun, Chongqing, Jinan, Harbin, Guangzhou, Shenyang, Wuhan, Xian and Xuzhou.

Thailand

STAUFF (Thailand) Co., Ltd. 10 Soi On-Nut 74/4 Pravet District Bangkok 10250 Tel.: +66 2 721 73 23 / 24 Fax: +66 2 721 73 35 E-Mail: sales@stauff.co.th www.stauff.co.th

India

STAUFF India Pvt. Ltd.

Gat no. 26/1 & 27, Sanghar Warehousing Pune - Nagar Road Lonikand - 412216 Tel.: +91 20 6731 4900 Fax: +91 20 6731 4905 E-Mail: sales@stauffindia.com www.stauffindia.com

Vietnam

STAUFF Vietnam Ltd. 2nd Floor, CT-IN Building #435 Hoang Van Thu Street Tan Binh District, Ho Chi Minh City Tel.: +84 8 3948 10 41 / 42 Fax: +84 8 3948 10 44 E-Mail: sales@stauff.com.vn www.stauff.com.vn

Korea

STAUFF Korea Ltd. 105, Hwajeonsandan 5-ro Gangseo-gu Busan, 46739 Tel.: +82 51 266 6666 Fax: +82 51 266 8866 E-Mail: info@stauff.co.kr **www.stauff.co.kr**

Oceania

Australia

STAUFF Corporation Pty Ltd 24-26 Doyle Avenue Unanderra NSW 2526

Tel.: +61 2 4271 9000 Fax: +61 2 4271 8432 E-Mail: sales@stauff.com.au www.stauff.com.au Further branch offices in Adelaide, Brisbane, Melbourne and Sydney.

New Zealand

STAUFF Corporation (NZ) Ltd. Unit D, 103 Harris Road East Tamaki, Auckland 2013

Tel.: +64 9 912 1530 Fax: +64 9 912 1531 E-Mail: sales @stauff.co.nz www.stauff.co.nz

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Pressure Filters

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In-Line Filters

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Appendix

STAUFF[®]

Catalogue 9 STAUFF Filtration Technology



Germany

Walter Stauffenberg GmbH & Co. KG Im Ehrenfeld 4 58791 Werdohl Tel.: +49 2392 91 60 Fax: +49 2392 91 61 03 E-Mail: sales@stauff.com

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You can find detailed contact information on the last two pages of this product catalogue or at

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