

By-pass Filter BPS

STAUFF BPS by-pass filter can be used for OEM first fit applications as well as for retro-fitting. The filtration is done in a by-pass configuration from the main hydraulic system. The STAUFF BPS Filter systems are available with one filter housing (BPS-1A, maximum flow 2,1 l/min / 0.6 US GPM) or with two filter housings (BPS-2A, maximum flow 4,2 l/min / 1.1 US GPM) at a viscosity between 20 and 160 cSt (100-750 SUS).

The RMF By-pass 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 one 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 RMF filter elements.

RMF 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.

Successful applications include:

- excavators
- wheel loaders
- forestry machines
- asphaltting machines
- cement mixers
- aircraft ground support machinery
- agricultural machines

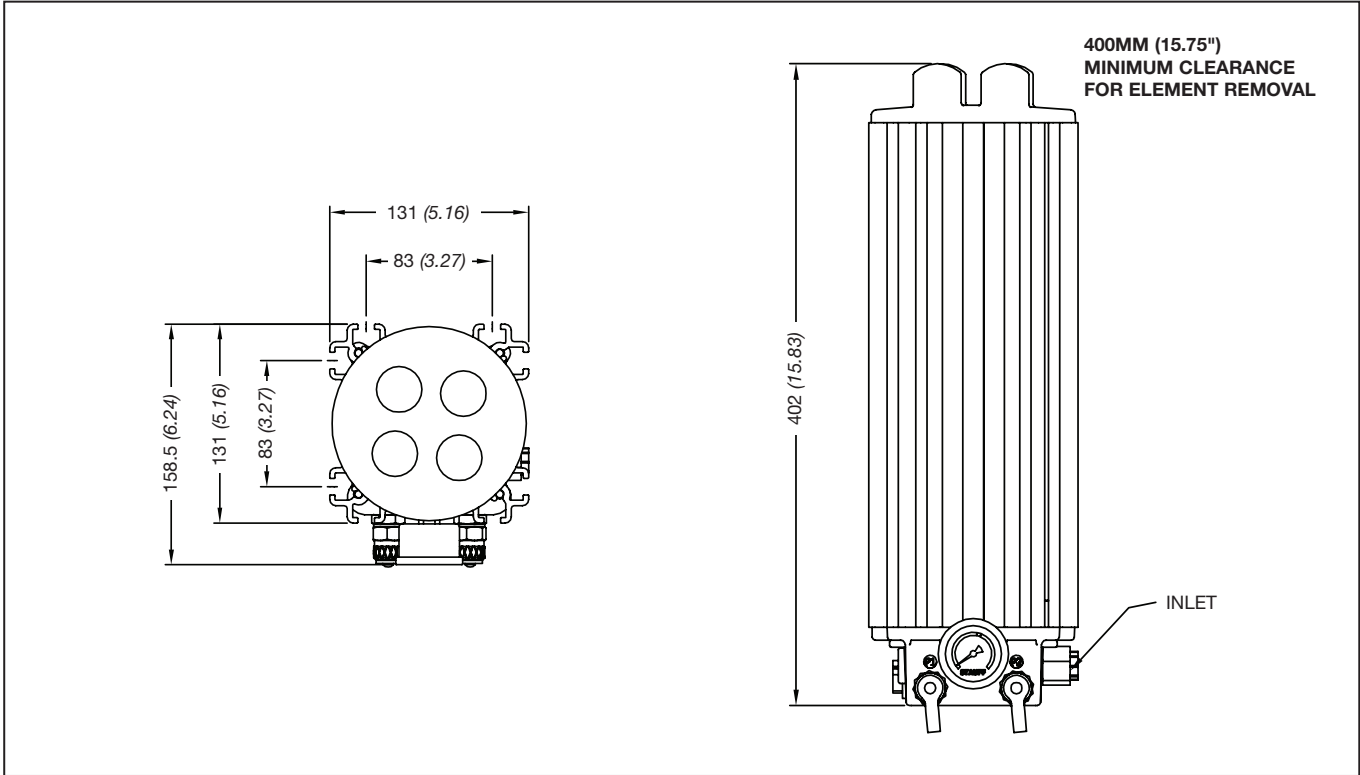


BPS - 1A - 30 - H - B



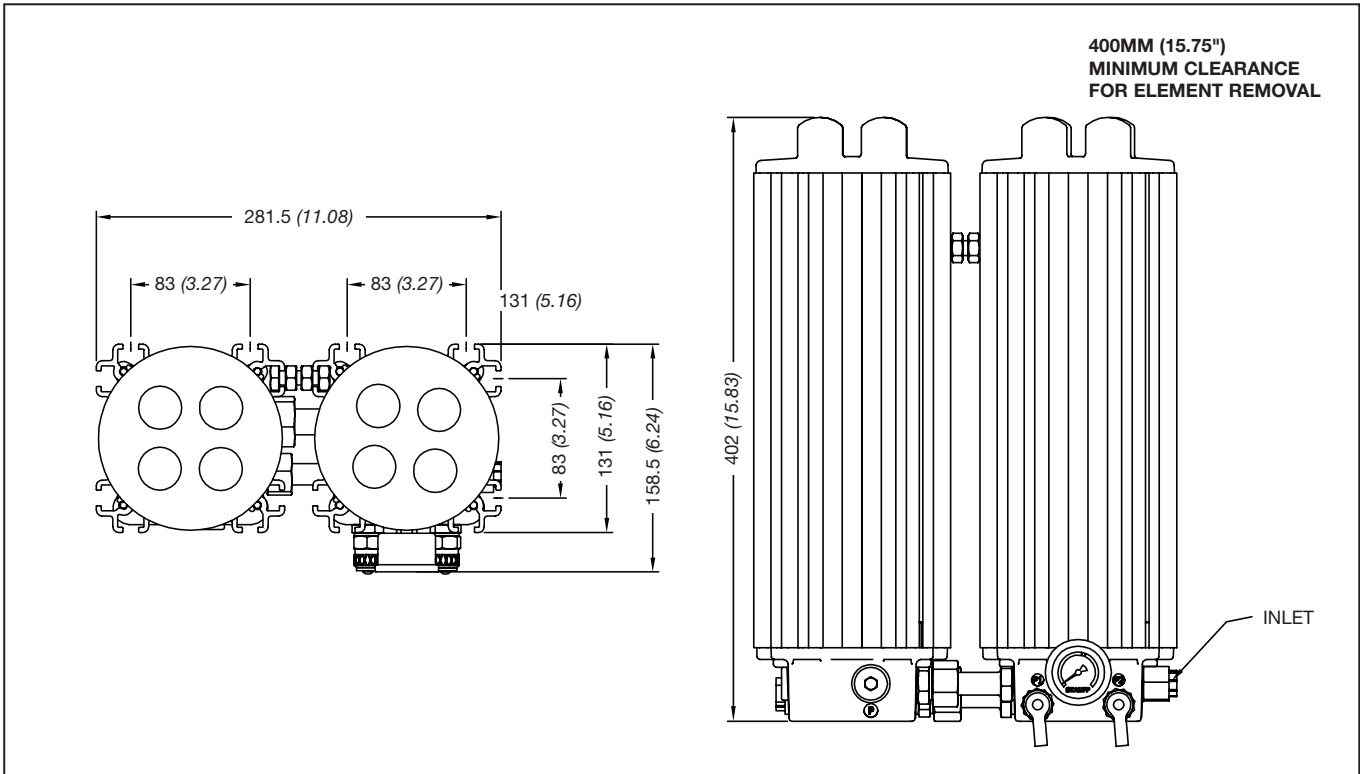
BPS - 2A - 30 - H - B

Dimensions BPS - 1A - 30 - H - B



Dimensions in mm (inch)

Dimensions BPS - 2A - 30 - H - B



Dimensions in mm (inch)

Technical Data BPS

All dimensions in mm (inch)

	BPS - 1A - 30 - H - B	BPS - 2A - 30 - H - B
Number of filter housings	1	2
Nominal flow	2,1 l/min (0.6 US GPM)	4,2 l/min (1.1 US GPM)
Max differential pressure	max 6,2 bar (90 PSI at 0 PSI back pressure)	
Max fluid temperature	80°C (176°F)	
Max housing pressure	20 bar (290 PSI)	
Range of viscosity	20-160 cSt (100-750 SUS)	
Connection pressure side	1/4" BSP	
Connection return line side	1/2" BSP	
Diameter of hose	3/8" - 1/2" (inner diameter) flexible hose	
Weight	6 kg (13.2 lbs)	12.3 Kg (27 lbs)
Max volume of tank	750 l (200 gal)	1500 l (400 gal)
Dimensions (HxWxD)	418 x 131 x 159 mm (16.4 x 5.1 x 6.2")	418 x 282 x 158 mm (16.4 x 11.1 x 6.2")
Connection for online-particle counter	STAUFF TEST (M16 x 2)	
Pressure range	12 - 420 bar (180 - 6200 PSI)	

Ordering Code

BPS - 1A - 30 - H - B - 0 - 0 - 0

Basic Configuration	
BPS	By-Pass Filter (for mobile applications)

Housing Configuration			
Code	Single length	suitable for reservoir size	N° of elements
1A	Single Housing	750 l (198 gal)	1x1 pcs
2A	Twin Housing	1500 l (396 gal)	2x1 pcs

Filter Element Length	
30	300 mm (standard)

Filter Material	
H	Cellulose 0,5µm (standard)
G01	1 micron microglass
G03	3 micron microglass
A05	5 micron microglass and polymer (water absorption)

Mounting Options	
0	No bracket (standard)
1	With standard foot / bulk head mounting bracket
2	With "bulk head mounting only" bracket
3	With standard 'OLS' wall mounting bracket

for details see page F140

Valve Options	
0	with flow control valve (standard)
1	without flow control valve

Clogging Indicator	
0	Pressure gauge 1 - 16 bar (standard)

Seal Material	
B	NBR (Buna-N®) (standard)
V	FPM (Viton)

Ordering Code Filter Elements

SRM - 30HB - 1

Filter Element	
SRM-30HB	0.5 micron cellulose
SRM-30G01B	1 micron microglass
SRM-30G03B	3 micron microglass
SRM-30A05B	5 micron microglass and polymer

For more details, see page F143 ... F144.

Quantity	
1	1 pcs. filter element
15	box with 15 pcs. filter element