



## Filtromat OF 5

### Description

The stationary fluid service unit OF5 is designed to fill/filter hydraulic and lubrication tanks and to filter offline. There is also the option (Version S only) to bypass the filter when emptying tanks.

### Applications

- Hydraulic and lubrication oil systems in a variety of industries

### Advantages

- Convenient offline filtration
- Easy to operate
- Increased service life for oil and components
- Reduction in Life Cycle Cost LCC

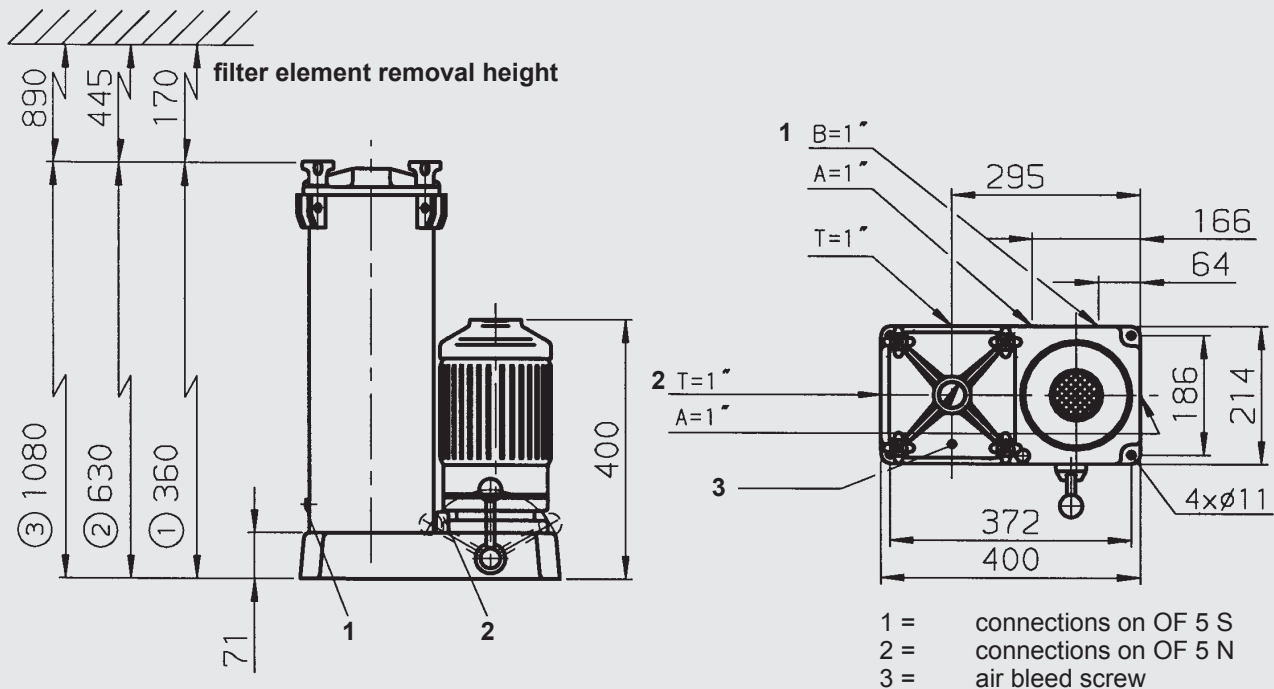
### Technical specifications

Max. flow rate	30 l/min, 40 l/min
Operating pressure	4.5 bar max
Viscosity range	15 ... 800 mm <sup>2</sup> /s (version-dependent, see Model code)
Permitted operating fluid	Mineral oil (others on request)
Permitted suction pressure at suction port	-0.4 bar ... +0.6 bar
Fluid temperature	-10 ... 80 °C
Ambient temperature	-20 ... 40 °C
Seals	NBR (Option: FPM)
Protection class	IP 54
Weight (empty)	≈ 46 kg

## Model code

	OF5	S	10	P	6	N	1	B	05	E
<b>Basic type</b>	OF5									
<b>Versions</b>		S = Stationary with change-over valve N = Offline unit: stationary without change-over valve								
<b>Type code</b>			10 = Standard Special models on request							
<b>Seals</b>				P = NBR (Perbunan) V = FPM (Viton)						
<b>Motor-pump unit</b>										
<b>Code</b>										
<b>Approx. flow rate at 1450 rpm</b>	3									
<b>Max. viscosity</b>	30 l/min									
<b>Electric motor output at 50 Hz</b>	6									
	40 l/min									
<b>Electric motor voltage</b>										
	M = 1 x 230 V - 50 Hz									
	N = 3 x 380-420 V - 50 Hz; 3 x 440-480 V - 60 Hz									
	S = 3 x 500-600 V - 50 (60) Hz									
	X = special voltage									
<b>Filter size</b>										
	1 = Element 330									
	2 = Element 1300									
	3 = Element 2600									
<b>Filter material</b>										
	B = Betamicron (BN4HC)									
	A = Aquamicron (BN/AM), (AM)									
<b>Filtration rating</b>										
	03 = 3 µm BN4HC; BN/AM									
	05 = 5 µm BN4HC									
	10 = 10 µm BN4HC;BN/AM									
	20 = 20 µm BN4HC									
	40 = 40 µm AM									
<b>Clogging indicator</b>										
	E = Standard, pressure gauge									
	B = Option: differential pressure gauge - visual									
	C = Option: differential pressure gauge - electrical									
	D = Option: differential pressure gauge - visual/electrical									
	B, C and D not for version "N"									

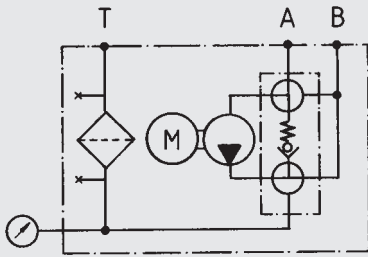
## Dimensions



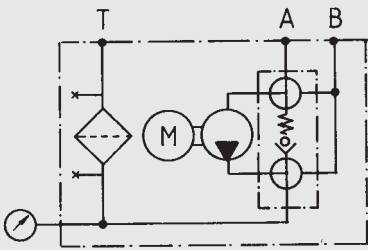
## Hydraulic circuit diagram

OF5 S

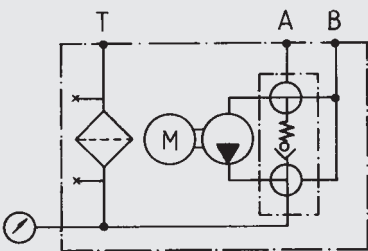
I Emptying tank, filter is bypassed  
A → B



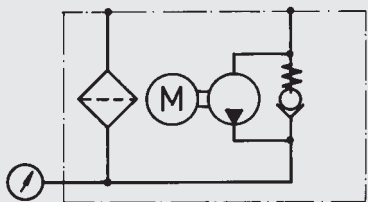
II Filtering offline A → T



III Filling via filter B → T



OF5 N



## Replacement elements

Filter size	Filtration rating	Element type	Part No.
1	3 µm	0330 R 003 BN4HC/-KB (-V-KB)	1262999 (1263640)
1	5 µm	0330 R 005 BN4HC/-KB (-V-KB)	1263000 (1263641)
1	10 µm	0330 R 010 BN4HC/-KB (-V-KB)	1263001 (1263642)
1	20 µm	0330 R 020 BN4HC/-KB (-V-KB)	1263002 (1263643)
1	40 µm	0330 R 040 AM/-KB (-V-KB)	1272067 (1266563)
1	3 µm	0330 R 003 BN/AM/-KB (-V-KB)	1272069 (1276690)
1	10 µm	0330 R 010 BN/AM/-KB	1272068
2	3 µm	1300 R 003 BN4HC/-KB (-V-KB)	1263059 (1263760)
2	5 µm	1300 R 005 BN4HC/-KB (-V-KB)	1263060 (1263761)
2	10 µm	1300 R 010 BN4HC/-KB (-V-KB)	1263061 (1263762)
2	20 µm	1300 R 020 BN4HC/-KB (-V-KB)	1263062 (1263763)
2	40 µm	1300 R 040 AM/-KB	1267699
2	3 µm	1300 R 003 BN/AM/-KB	1267991
2	10 µm	1300 R 010 BN/AM/-KB (-V-KB)	1270010 (1276060)
3	3 µm	2600 R 003 BN4HC/-KB (-V-KB)	1263071 (1263784)
3	5 µm	2600 R 005 BN4HC/-KB (-V-KB)	1263072 (1263785)
3	10 µm	2600 R 010 BN4HC/-KB (-V-KB)	1263073 (1263786)
3	20 µm	2600 R 020 BN4HC/-KB (-V-KB)	1263074 (1263787)
3	40 µm	2600 R 040 AM/-KB	306899
3	3 µm	2600 R 003 BN/AM/-KB (-V-KB)	1268232 (1275329)
3	10 µm	2600 R 010 BN/AM/-KB	1276840

V = Viton  
KB = without bypass

### Note

The information in this brochure relates to the operating conditions and applications described.

For applications and operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.

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