



Filtromat OF 5 with FCU

Description

The filtration unit OF 5 mobile is designed to fill/filter and empty hydraulic and lubrication tanks, and to filter offline.

The built-in FluidControl Unit FCU 2000 measures the particle contamination and monitors the oil cleanliness.

Applications

- Hydraulic and lubrication oil systems in a variety of industries

Advantages

- Convenient offline filtration
- Simultaneous monitoring of the particle contamination
- Simple to operate
- Greater system availability
- Reduction in Life Cycle Cost LCC

Technical specifications

Pump type	Vane pump
Max. flow rate	40 l/min
Operating pressure	4.5 bar
Permitted suction pressure at suction port	-0.4 bar ... +0.6 bar
Viscosity range	15 ... 300 mm ² /s (version-dependent, see Model Code)
Permitted operating fluid	Mineral oil (others on request)
Fluid temperature	-10 ... 70 °C
Ambient temperature	-20 ... 40 °C
Seals, gaskets	NBR
Protection class	IP 54
Power cable, length	6 m
Hoses, length	3 m
Hose connections	Suction hose NW 28 with lance Pressure hose NW 25 with lance
tare weight	≈ 92 kg

Model code

OF5 C 20 P 6 N 2 B 05 C

Basic type

OF5

Versions

C = mobile, without change-over valve, with FCU

Type code

20 = with FCU 2010

21 = with FCU 2110

22 = with FCU 2210

Seals

P = NBR (Perbunan)

Motor-pump unit

Code	Approx. flow rate at 1450 rpm	Max. viscosity	Electric motor output at 50 Hz
3	30 l/min	250 mm ² /s	0.75 kW
6	40 l/min	300 mm ² /s	1.5 kW

Electric motor voltage

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

Filter size

2 = element 1300

Filter material

B = Betamicron® (BN4HC)

A = Aquamicron®

Filtration rating

03 = 3 µm BN3HC; BN4AM

05 = 5 µm BN3HC

10 = 10 µm BN3HC; BN4AM

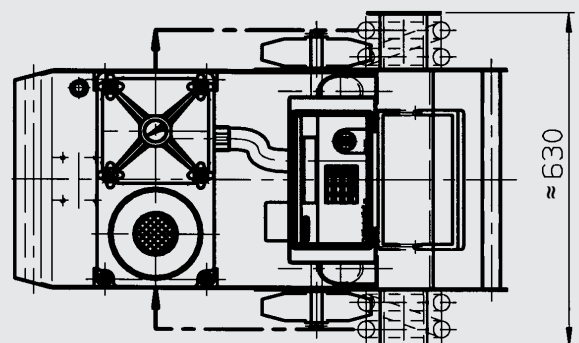
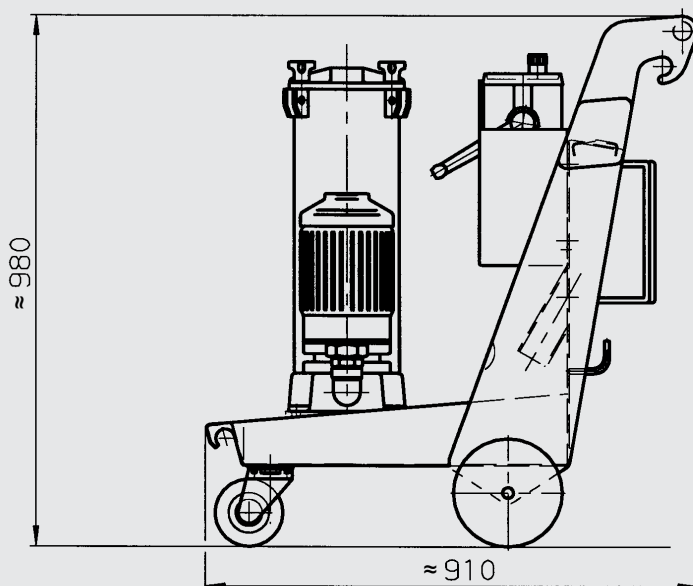
20 = 20 µm BN3HC

40 = 40 µm AM

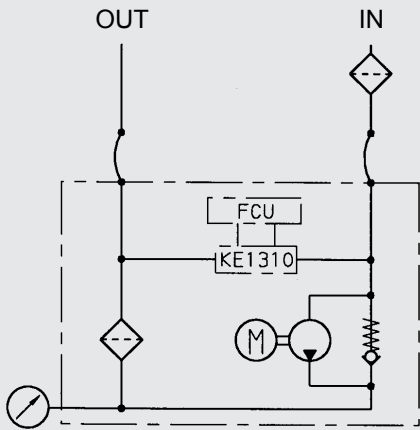
Clogging indicator

C = pressure gauge, electrical (VMF 2 C.0)

Dimensions



Hydraulic circuit diagram



Replacement elements

Filter size	Filtration rating	Element type	Part No.
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 BN4AM/-KB (-V-KB)	1267991 (1271839)
2	10 µm	1300 R 010 BN4AM/-KB (-V-KB)	1270010 (1276060)

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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