



Filtromat OF 5 Mini

Description

The stationary fluid service unit OF5 Mini is designed to fill/filter hydraulic and lubrication tanks and to filter offline. The change-over valve is provided to bypass the filter when emptying tanks.

Applications

- Hydraulic and lubrication oil systems in a variety of industries
- Mobile hydraulics

Advantages

- Convenient offline filtration
- Very compact design
- Greater system availability
- Reduction of Life Cycle Cost LCC

Technical specifications

Max. flow rate	15 l/min
Operating pressure	4.5 bar max
Permitted suction pressure at suction port	-0.4 bar ... +0.6 bar
Pump type	Gerotor or vane pump
Viscosity range	15 ... 350 mm ² /s
Permitted operating fluid	Mineral oil (others on request)
Fluid temperature range	-10 ... 80 °C
Ambient temperature range	-20 ... 40 °C
Protection class	IP 55
Weight	≈ 20 kg
Electric motor output	
Gerotor pump	0,37 kW @ 50 Hz
Vane pump	0,2 kW @ 50 Hz

Model code

OF5 M 20 V 1 M 2 N5DM002 E - /-

Basic type

OF5

Version

M = Stationary with change-over valve

Type code

20 = Standard

Special models on request

Seals

V = FPM (Viton)

Motor-pump unit

Code	Approx. flow rate at 1450 rpm	Electric motor input at 50 Hz
1	15 l/min (at 40 mm ² /s)	0.37 kW

other on request

Voltage

L = 115 V - 1 Ph T = 12V DC

M = 230 V - 1 Ph* U = 24V DC

N = 400 V - 3 Ph*

X = other voltages on request

M60 = operation at 60Hz

* Standard in Europe according to CENELEC HD472 S1 at 50 Hz

Filter size

2 = 1 Element N5

Filter element

N 5 DM 002 = DIMICRON® 2 µm absolute

N 5 DM 005 = DIMICRON® 5 µm absolute

N 5 DM 010 = DIMICRON® 10 µm absolute

N 5 DM 020 = DIMICRON® 20 µm absolute

N 5 AM 001 = AQUAMICRON® 1 µm absolute

N 5 AM 002 = AQUAMICRON® 2 µm absolute

N 5 AM 020 = AQUAMICRON® 20 µm absolute

Clogging indicator

E = Standard, pressure gauge

Supplementary details

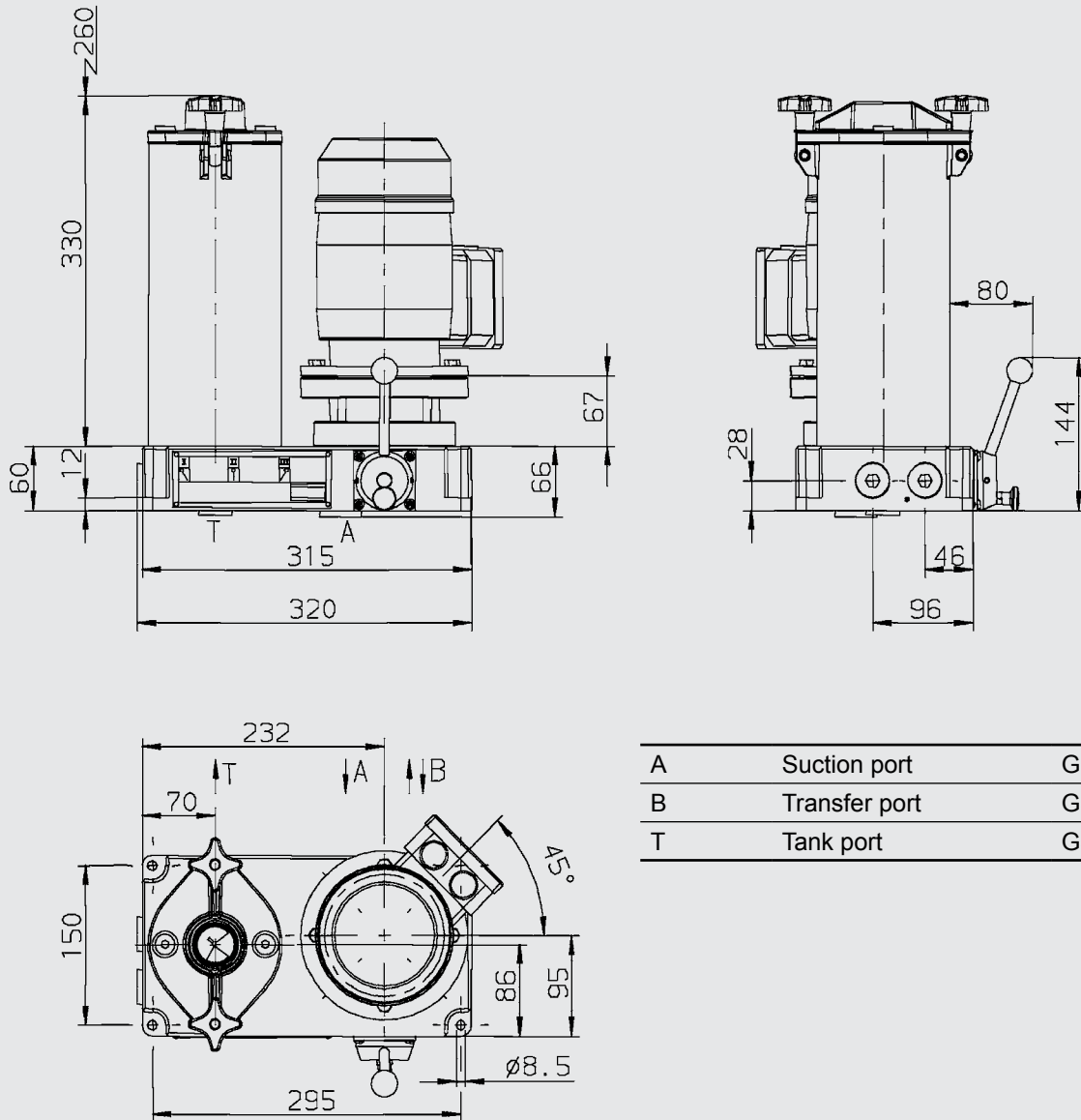
Accessories (optional)

- OF5M anti-vibration mounting kit for universal mounting
Part. No.: 3124658

Replacement elements

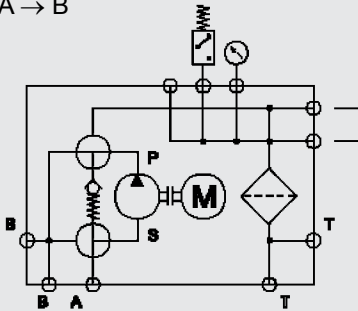
Filtration rating	Element type	Part No
2 µm (Dimicron®)	N5DM002	349494
5 µm (Dimicron®)	N5DM005	3068101
10 µm (Dimicron®)	N5DM010	3102924
20 µm (Dimicron®)	N5DM020	3023508
1 µm (Aquamicron®)	N5AM001	3114428
2 µm (Aquamicron®)	N5AM002	349677
20 µm (Aquamicron®)	N5AM020	3040345

Dimensions

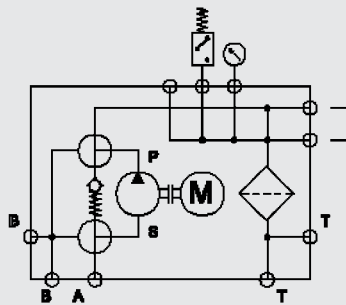


Hydraulic circuit diagram

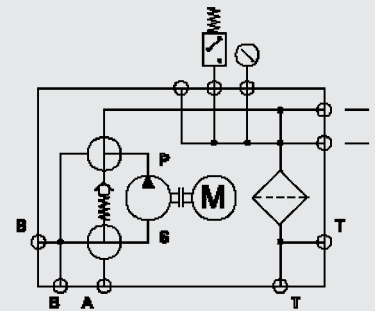
I Emptying tank, filter is bypassed
A → B



II Filtering offline A → T



III Filling via filter B → T



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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