

HYDAC INTERNATIONAL



Filtromat OF5 mini

Description

The stationary fluid conditioning 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 filtration in bypass flow
- Very compact construction
- Increased system availability
- Reduction of life cycle costs LCC

Technical details

Max. flow rate	15 l/min
Operating pressure	4.5 bar max.
Permitted suction pressure at suction port	-0.4 bar to +0.6 bar
Pump type	Gerotor or vane pump
Viscosity range	15 to 350 mm ² /s
Permitted operating fluid	Mineral oil (others on request)
Fluid temperature range	-10 to 80°C
Ambient temperature range	-20 to 40°C
Protection class	IP 55
Weight when empty	≈ 20 kg
El. motor rating	
Gerotor pump	0.37 kW @ 50 Hz
Vane pump	0.2 kW @ 50 Hz

Model code

Basic type

OF5

Version

M = Stationary with change-over valve

Type code

20 = Standard with gerotor pump

30 = DC drive with vane pump

Special versions on request

Seals

V = FKM (FPM, Viton®)

Motor-pump unit

Meas. ref. Theor. flow rate at 1450 rpm

1 15 l/min (at 40 mm²/s)

others on request

Voltage

L = 115 V - 1 Ph

M = 230 V - 1 Ph*

N = 400 V - 3 Ph*

T = 12V DC (only with vane pump)

U = 24V DC (only with vane pump)

X = other voltages on request

M60 = operation at 60Hz

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

Filter size

2 = 1 x filter 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, back-pressure indicator

Supplementary details

OF5 M 20 V 1 M 2 N5DM002 E - L

Accessories (optional)

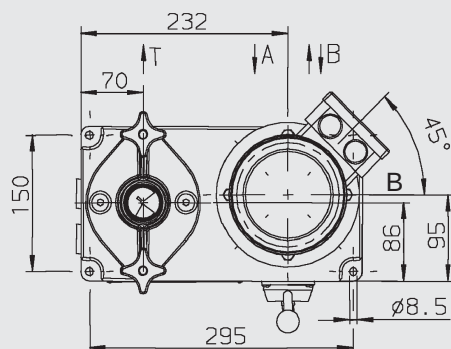
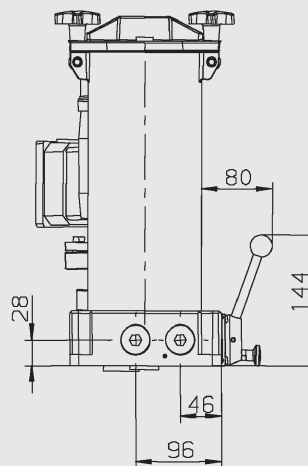
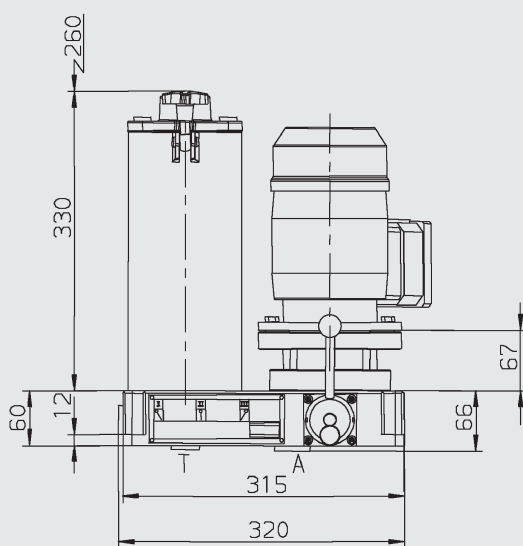
- OF5M anti-vibration mounting kit for universal mounting

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

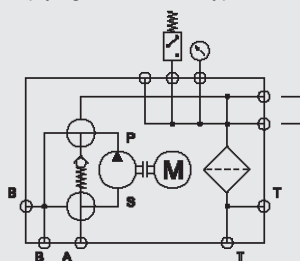
DIMENSIONS



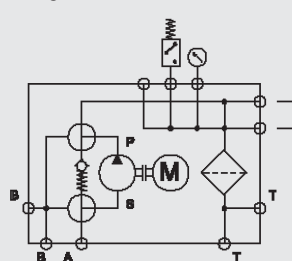
A	Suction port connection	G1
B	Transfer port	G3/4
T	Tank line	G3/4

Hydraulic circuit diagram

I Emptying tank, filter is bypassed A → B



II Filtering offline A → T



III Filling via filter B → T

