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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 mm²/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

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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 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

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

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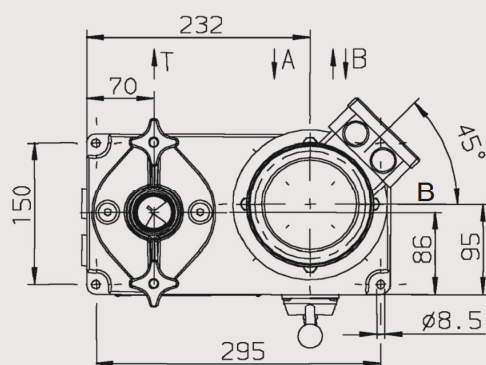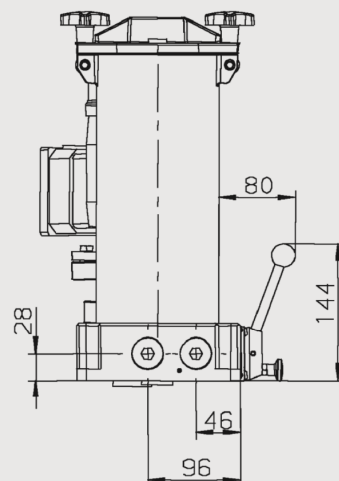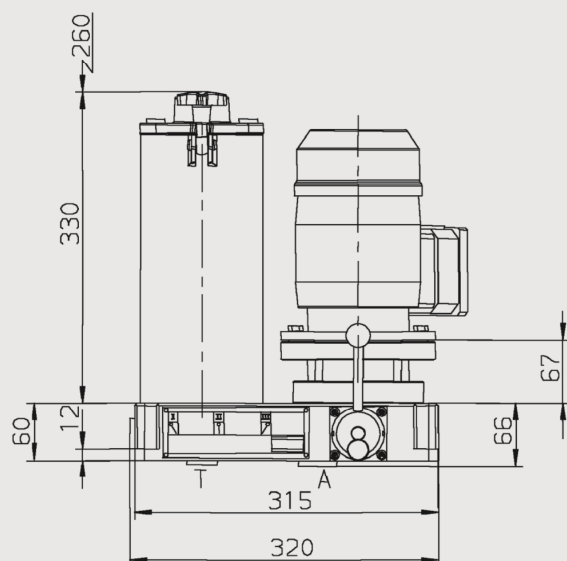
A	Suction port connection	G1
B	Transfer port	G3/4
T	Tank line	G3/4

Hydraulic circuit diagram

I Emptying tank, filter is bypassed A → B   II Filtering offline A → T   III Filling via filter B → T

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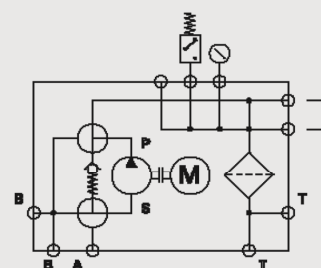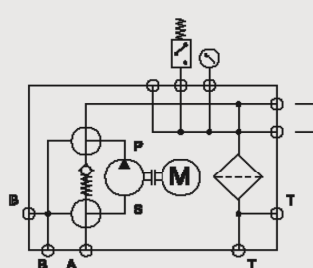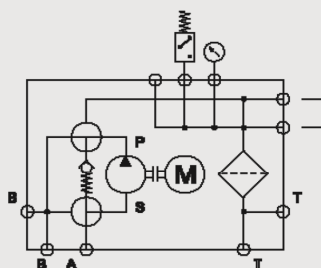
Note

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

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

All technical details are subject to change.