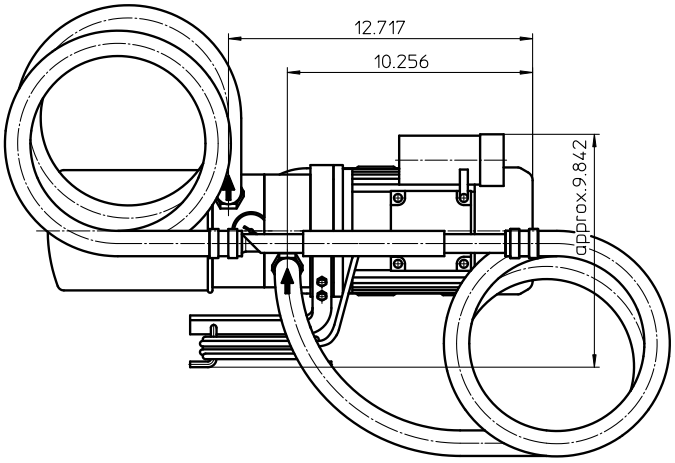
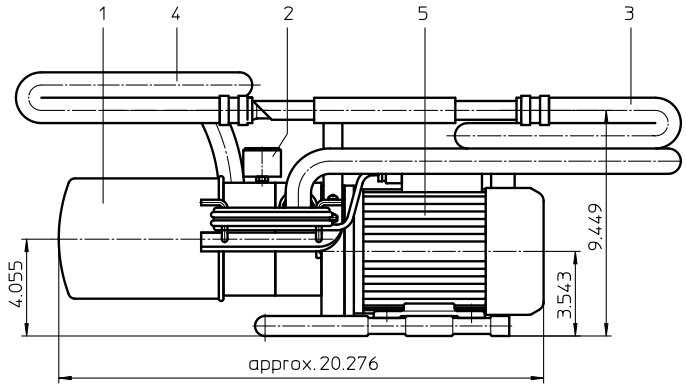
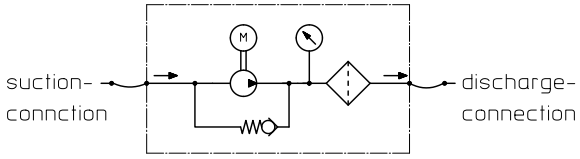
FILTER UNIT, mobile
Series UFM 15

Sheet No.
4007 A







1. Type index:

1.1. Filter unit: (ordering example)

UFM.	15.	10VG.	E.	P.	W16
1	2	3	4	5	6

1 **series:**
UFM = filter unit, mobile

2 **nominal size:** 15

3 **filter-material and filter-fineness:**
10 VG = 10 µm$_{(c)}$ Interpor fleece (glass fiber)
10 P = 10 µm paper

4 **filter element design:**
E = single-end open

5 **sealing material:**
P = Nitrile (NBR)

6 **motor:**
W16 = B3-B14/71/4.0,25.1500/1800.230.W.50/60.1.R.S.K
alternating current motor 230V, 50/60Hz,
approx. 1300/1550 RPM, .34 HP, type of protection IP 54
W17 = B3-B14/71/4.0,25.1800.110.W.60.1.R.S.K
alternating current motor 110V, 60Hz,
approx. 1550 RPM, .34 HP, type of protection IP 54

1.2. Filter element: (ordering example)

01WP.	90.	10VG.	E.	P
1	2	3	4	5

1 **series:**
01WP = spin-on cartridge

2 **nominal size:** 90

3 - 5 see type index-filter unit

2. Technical data:

pump capacity:	3.7/4.8 GPM at 1300/1550 RPM
electric motor:	.34 HP
alternating current:	230 V, 50/60 Hz
alternating current:	110 V, 60 Hz
pressure load capacity:	max. 72.5 PSI
filter-fineness:	10 µm$_{(c)}$
weight:	approx. 26 lbs.
operating medium:	hydraulic oil based on mineral oil 46 to 1860 SUS other media on request

3. Spare parts:

item	qty.	designation	dimension	article-no.
1	1	spin-on cartridge	01WP.90...	
2	1	clogging indicator	visual	315452
3	1	suction hose ¾“	21938-3	
4	1	discharge hose ¾“	21946-3	
5	1	electric motor W16	.34 HP, 230V	312053
	1	electric motor W17	34 HP, 110V	313095

4. Description:

The mobile filter unit is intended for oil maintenance on hydraulic systems.
The area of application comprises:
- secondary flow filtration in addition to the existing operating filter
- secondary flow filtration without the action of the operating filter
- filtration when filling the oil reservoir.

The filter unit must not be used to pump contaminated hydraulic fluids and is therefore designed without a switchover fitting to by-pass the filter. The compact structural design satisfies the prerequisites for small dimensions and high reliability.
As the filtration unit is portable and small, there is easy accers even to difficult accessible points. Leaking oil from the suction respectively discharge hose is prevented by lances connected with the carrying handle.
The suction hose ¾“ and the discharge hose ¾“are approximately 59 inch long inclusive of the lance.
The device is equipped with a gear pump driven by an electric motor. The flow conveyed by the geared pump is fed over a spin-on cartridge.
The filter fineness is 10 µm$_{(c)}$. The contamination level of the filter element can be read off from a pressure display.
To protect against overpressure, the filter unit is fitted with a safety valve. Pressure setting about 72.5 PSI.
The filter unit can be operated without supervision, since the unit switches off automatically after about 5 minutes when an operating pressure of > 87 PSI is reached. This pressure range is marked in red on the scale field of the pressure display.
The filter element can be changed without tools.
The filter elements are supplied including seals. Since it is not possible to clean the elements, the user must always keep an adequate supply of spare elements in stock.

EDV 08/12

Changes of measures and design are subject to alteration!

EATON Powering Business Worldwide

Friedensstrasse 41, 68804 Altlussheim, Germany

phone +49 (0)6205 2094-0 e-mail info-internormen@eaton.com
fax +49 (0)6205 2094-40 url www.eaton.com/filtration