UFM 050
Mobile filtration unit

Available in three configurations
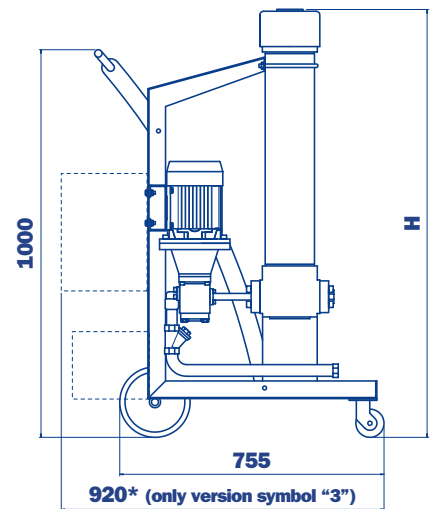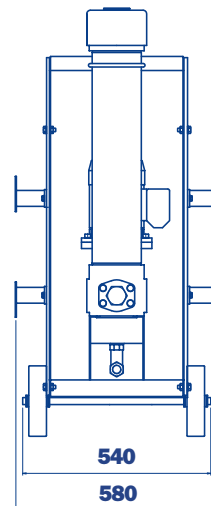
A   configuration with start / stop differential pressure
     indicator - visual
B   configuration with start / stop automatic motor
     cut-out from
     differential pressure indicator - electrical/visual
C   configuration with start / stop phase inverter
     automatic motor
     cut-out from differential pressure
     indicator - electrical/visual
     In Line Particle Counter ICM

UFM 050 mobile filtration units suitable for filling and refilling
of filtered hydraulic fluids and lubrication tanks.

The filter unit connected to off-line to the tank
(recommended maximum volume of 500/750 L.), can be
used as a support to the filtration plant on start-up for fast
flushing action, either as additional filtration systems with a
high incidence of contamination.

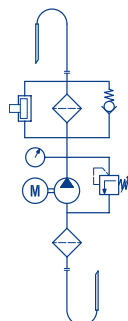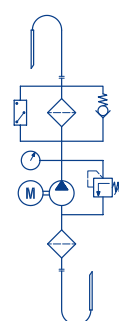Continued use is recommended for the version with three
phase electric motor.

- **Compact size**
- **Continue Operation Pressure 10 bar**
- **Easy to use**
- **Easy maintenance**
- **Reliable**
- **Absolute filtration**
- **In Line Contamination Monitor**

Dimensions

540
580

1000

H

755
920* (only version symbol "3")

UFM 050

**Length filter body
(see ordering informantion)**

Length Filter	H mm
5	1230 Standard
6	1530 Special

Symbols (see ordering information)

"0" Symbol

"1" Symbol

"3" Symbol

35 bar
ICM
40 bar

Technical data

Pump	Gear pump
Electric Motor	1,5 Kw 230 Volt single phase electric motor
	1,5 Kw 400/230 Volt three phase electric motor
Flow (l/min)	50 l/min
Max. Operation Pressure	10 bar
Viscosity range	Min. operation 10 cSt
	Max. operation 300 cSt
	Max. only for cold start 800 cSt
Suction Filter	Type Y filtration 400 µm
Filtration Rating	1/3/6/10/16/25 µm β>1000
	flow through the element Out/In
By-Pass valve	Rating 3,5 bar (no by-pass valve in request)
Fluid Temperature	From -10° to +80°C
Ambient Temperature	From -20° to +45°C
Protection Class	IP 55
Seal	NBR
Fluid Compatibility	Mineral Oil - Other on request
Suction hose - with lance	1 1/4" length 3000 mm - DN35 length 700 mm
Pressure hose - with lance	1" length 3000 mm - DN30 length 700 mm
Weight	70 kg.
Equipment	• Differential Clogging indicator - Visual
	• Differential Clogging indicator - Electrical/Visual
	• In line Particle Counter ICM + Differential Clogging indicator - Electrical/Visual

Spare parts

Filter element length 5 Standard

Inorganic microfibre element

CU 400 5 A01 A N P01	1 µm absolute
CU 400 5 A03 A N P01	3 µm absolute
CU 400 5 A06 A N P01	6 µm absolute
CU 400 5 A10 A N P01	10 µm absolute
CU 400 5 A16 A N P01	16 µm absolute
CU 400 5 A25 A N P01	25 µm absolute

Wire mesh element

CU 400 5 M25 A N P01	25 µm
CU 400 5 M60 A N P01	60 µm

Filter element length 6 Special

Inorganic microfibre element

CU 400 6 A01 A N P01	1 µm absolute
CU 400 6 A03 A N P01	3 µm absolute
CU 400 6 A06 A N P01	6 µm absolute
CU 400 6 A10 A N P01	10 µm absolute
CU 400 6 A16 A N P01	16 µm absolute
CU 400 6 A25 A N P01	25 µm absolute

Wire mesh element

CU 400 6 M25 A N P01	25 µm
CU 400 6 M60 A N P01	60 µm

Ordering information

	1	2	3	4	5	6	7
UFM	☐	☐	☐	☐	☐	☐	☐
Example: UFM	050	T	A	2	E	5	P01

1 - Flow

050	50 l/min

2 - Electric motor

M	Single phase 220 V
T	Three phase 380 V

3 - Seals

A	NBR

4 - Automatic motor cut-out from differential pressure indicator

0	Without
1	With
3	Automatic motor cut-out from differential pressure indicator Phase inverter ICM Contamination Monitor Only with electric motor three phase

5 - Filter elements

S	Without element
D	1 µm absolute
E	3 µm absolute
F	6 µm absolute
G	10 µm absolute
H	16 µm absolute
L	25 µm absolute
M	25 µm wire mesh
N	60 µm wire mesh

6 - Length filter body

5	Standard
6	Special

7 - Option

P01	Standard MP Filtri