



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 $\mu\text{m}_{(c)}$ Interpor fleece (glass fibre)
10 P = 10 μm paper

4 filter element design:

E = single-end open

5 sealing material:

P = Nitrile (NBR)

6 motor:

W16 = B3-B14/71/4.0,25.1500.230.W.50.1.R.S.K
alternating current motor 230V, 50Hz,
approx. 1500 rpm, 0,25KW,
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: | 15 l/min at 1500 rpm |
| electric motor: | 0,25 KW, 1500 rpm, |
| alternating current: | 230 V, 50 Hz |
| pressure load capacity: | max. 5 bar |
| filter-fineness: | 10 $\mu\text{m}_{(c)}$ |
| weight: | approx. 12 kg |
| operating medium: | hydraulic oil based on mineral oil 10 to 400 mm ² /s 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 3/4" | 21938-3 | |
| 4 | 1 | discharge hose 3/4" | 21946-3 | |
| 5 | 1 | electric motor W16 | 0,25 KW, 230V | 312053 |

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 access 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 3/4" and the discharge hose DN 20 are approximately 1500 mm long inclusive of the lance.

The device is equipped with a gear pump driven by an E-motor. The flow conveyed by the geared pump is fed over a spin-on cartridge.

The filter fineness is 10 $\mu\text{m}_{(c)}$. 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 5 bar.

The filter unit can be operated without supervision, since the unit switches off automatically after about 5 minutes when an operating pressure of > 6 bar 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.