



1. Type index:

1.1. Filter unit: (ordering example)

UM. 15. 10VG. E. P. W41

1	2	3	4	5	6
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- 1 **series:**
UM = filter unit, mobile
- 2 **nominal size:** 15
- 3 **filter-material and filter-fineness:**
10 VG = 10 $\mu\text{m}_{(c)}$ glass fibre
10 P = 10 μm paper
- 4 **filter element design:**
E = single-end open
- 5 **sealing material:**
P = Nitrile (NBR)
- 6 **motor:**
W41 = B3-B5/63/2.0,18.2800.230.W.50.2.L.S.K
alternating current motor 230V, 50 Hz,
approx. 2800 U/min, 0,18 kW,
type of protection IP 55

1.2. Filter element: (ordering example)

01WP. 90. 10VG. E. P

1	2	3	4	5
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- 1 **series:**
01WP = spin-on cartridge
- 2 **nominal size:** 90, 130
- 3 - 5 see type index-filter unit

2. Technical data:

- pump capacity: 15 l/min at 2800 U/min
- electric motor: 0,18 kW, 2800 U/min
- alternating current: 230 V, 50 Hz
- pressure load capacity: max. 4 bar
- filter-fineness: 10 $\mu\text{m}_{(c)}$
- weight: approx. 16 kg
- operating medium: hydraulic oil based on mineral oil
10 to 400 mm²/s
other media on request

3. Spare parts:

item	qty	designation	dimension	article-no.
1	1	spin-on cartridge	01.WP90...	
	1	spin-on cartridge	01.WP130...	
2	1	clogging indicator	visual	315452
3	1	suction hose 3/4"	70632-3	355757
4	1	discharge hose 3/4"	70639-3	355764
5	1	electric motor W41	0,18 kW, 230V	355731

4. Description:

Eaton mobile filter units are intended for oil maintenance on hydraulic systems. Mobile filter units are used as:

- secondary filtration in addition to the existing operating filter
- secondary filtration without the function of the operating filter
- filtration when filling the oil reservoir.

To prevent contaminated oil from bypassing the filter, Eaton mobile filter units are supplied without filter bypasses. The compact design allows for easy mobility to and from work areas and confined spaces. Oil spillage is prevented from the suction and discharge hoses by convenient lance holders that are designed into the handles.

The 3/4" diameter suction and discharge hose are approximately 1500 mm long including the lance. UM 15 filter units are equipped with a gear pump driven by an electric motor. Flow is provided by a reliable gear pump and is fed through a 10 $\mu\text{m}_{(c)}$. Eaton 01.WP spin-on filter element. The filter elements can be changed without tools and are supplied with replacement seals. A color-coded pressure gage is installed on the filter assembly and displays the contamination level of the filter element. Over pressurization of the pump is prevented with a 2-bar pressure relieve valve and allows for unsupervised operation. When the relief valve reaches the set pressure it opens and returns fluid to the pump inlet. 01.WP filter elements are not cleanable and thus spare element inventory must be maintained.