Off-line Filter Unit

FNA 040-553

Nominal flow rate up to 40 l/min / 10.6 gpm · Operating pressure up to 8 bar / 145 psi

Off-line Filter Unit FNA 040-553

Description

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The FNA 040-553 can be used as an additional off-line filter unit or as a self-contained system filter for continuous improvement of the oil cleanliness. Operation of the unit is independent of the working cycles of the machine. Thus, the filter element can be changed without interrupting the working process.

Compact and efficient

The compact design allows installation in restricted spaces. With 40 l/min / 10.6 gpm, the oil is continuously pumped over a fine filter, allowing the highest cleanliness levels to be reached, even with larger tank volumes.

Dirt-holding capacity

The dirt-holding capacity values in grams from the ISO MTD test dust are in accordance with the ISO 16889 requirements.

Hydraulic fluids

Mineral oil and biodegradable fluids
(HEES and HETG, see info sheet 00.20).
Other fluids on request.

Technical data	
Nominal flow rate	40 l/min / 10.6 gpm
Filter fineness	$\overline{\beta}_{3(c)} = 200$*
Dirt-holding capacity	380 g*
Electric drive	3~400 V, 0.75 KW, n = 1400 min^{-1} at 50 Hz, n = 1700 min^{-1} at 60 Hz
Weight	approx. 30 kg / 66 lbs
Temperature range of fluids / viscosity range	0 °C ... +60 °C +32 °F ... +140 °F
Continuous operation min.	15 mm^2/s / 70 SUS
Continuous operation max.	400 mm^2/s / 1860 SUS
Ambient temperature range	0 °C ... +50 °C +32 °F ... +122 °F
Operating pressure	Max. 8 bar / 116 psi
Clogging indicator	Electrical differential pressure indicator

*test dust ISO MTD according to ISO 16889

Order No.

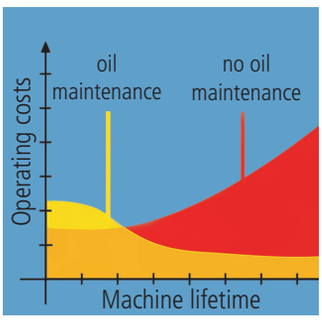
FNA 040-553

Replacement filter element Order No.

V7.1230-153

Compact and ready to connect

The FNA 040-553 comes ready to connect, with filter element.

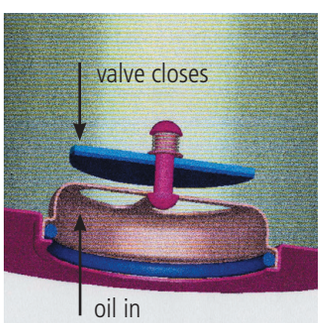


Economical

Das FNA 040-553 Off-line Filter Unit offers protection that can extend the lifetime of machinery. This protection gives a direct return on investment through extended service intervals and increased machine availability.

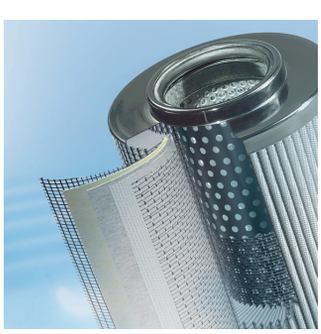
User-friendly filter element change

The filter element can be removed from the housing together with the cover. The dirt retention valve ensures that solid particle sediment is completely removed with the filter element.



Maintenance-free filter housing thanks to a unique filter element technique

Fluid flows through the element from the inside to the outside. The built-in dirt retention valve closes automatically when the element is removed, ensuring that all dirt is removed from the housing together with the element.

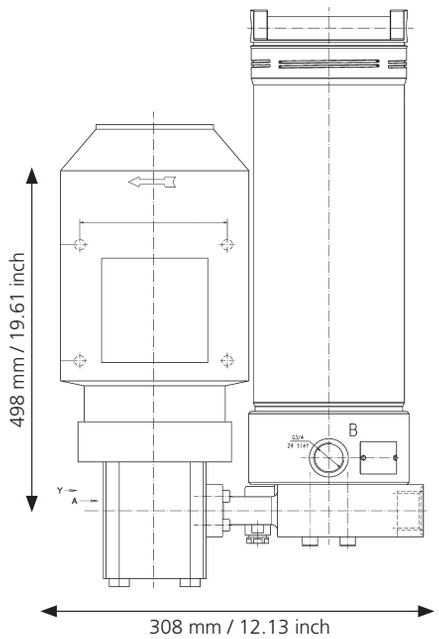


Quality in detail

The EXAPOR®MAX 2 ultra-fine element is the heart of the FNA 040.
High cleanliness levels protect the system from contamination when filling with oil.

The tubing of the pressure control valve to the tank is effected by the user!

Dimensions



Hydraulic symbol