

Oil Mist Filter

Type NOMF

Catalogue: NF03
Tab: 11
Page: 02.00

Version 1002/GB



Application

The Dantherm Filtration NOMF type oil mist filter is used for filtering air containing oil mists, etc. Not liable to solidify at normal duty temperatures, such as the mist given off by cooling/lubricating oils used for metal machining operations.

The NOMF type oil filter is designed more particularly for coupling to exhaust systems of the low or medium pressure type.

Description

The NOMF oil filter is composed of a cylindrical casing, with a rectangular inlet fitted at tangent on the side. The filter is in lacquer painted all-welded 2 mm thick steel sheet.

The oil filter is fitted with washable cylindrical filter cartridges.

With a cyclone type pre-separation, the flow of dirty air is then collected and filtered by the filter cartridges.

When the door is opened, the cartridges can easily be removed for cleaning.

The separated oil is recovered in the bottom part of the filter. To prevent blocking the oil runoff pipe, swarfs of all types are trapped in a special bin. The clean air outlet is located on the top (vertical outlet with BG flange).

We recommend installing the oil filter close to the exhaust hoods to prevent the accumulation of oil in the piping, hoses, etc.

Specifications

The filter separation capacity depends on the quantity of air and the type of aerosol.

In order to determine the efficiency by the NOMF filtration, the tests carried out by a European laboratory have demonstrated a high filtration capacity of over 99 % for particles of 2,3 μm .

The filter pressure drop depends on the air flow and the condition of the filter elements. The normal level is 1800 Pa for filter maximum flow.

The NOMF air purification process:

- Mechanical pre-separation by the cyclone system
- Agglomeration in the N° 1 Stage filter cartridge
- Final filtration in the N° 2 Stage filter cartridge

Max. duty temperature: 60°C

Min. duty temperature: 0°C

Oil Mist Filter

Type NOMF

Accessories

Standard

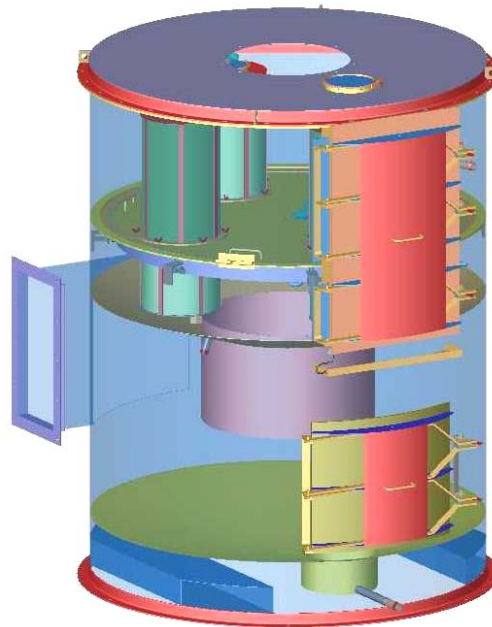
- Bottom cleaning scraper
- 1" fluid runoff
- Sight glass pressure gauge
- 3/4" welded nipple + plug tapping for fitting level sensor

Options

- Platform for access to upper inspection hatch
- Electrical control cabinet
- Solenoid valve on oil removal circuit
- Pressure switch with high alarm repeater, display and analogue output
- Oil level sensor
- Support for raised assembly of filter (Example: where fluid runoff must be higher than floor level for installation of a siphon).

Catalogue: NF03
Tab: 11
Page: 02.01

Version 1001/GB



Dimensions

Type	Diameter D mm	Position inlet B mm	Height H mm	D1 mm	Height inlet C mm
NOMF4	1600	1600	2150	966	888
NOMF6	1800	1800	2240	1066	928
NOMF8	1900	1900	2330	1116	985
NOMF10	2150	2150	2380	1241	993
NOMF12	2290	2290	2520	1311	1058

Type	Inlet mm	Outlet d mm	Weight Kg	Max. airflow m ³ /h
NOMF4	300 x 600	505	540	10000
NOMF6	375 x 700	605	670	15000
NOMF8	450 x 775	655	800	20000
NOMF10	525 x 850	755	930	25000
NOMF12	525 x 1000	805	1060	30000

