

Cartridge filter AFK72

1. Introduction

The MAHLE Industrial Filtration housing type AFK 72 is an industrial cartridge filter housing in stainless steel. This model is a large size model in the AFK range, to suit various flow rates. The AFK cartridge housing is an economical solution for all industrial liquid and gas applications conform to PED 97/23/EC category IV.



2. Features

- Cover closing with hinged eye bolts and eye nuts (stainless steel)
- Hinged cover with handle
- Fully drainable vessel
- O-ring sealing: standard Buna-N. Other materials on request
- Compact design
- Pickled and passivated
- Suitable for 18 filter cartridges of 40" length
- Available from stock or at short notice

4. Models

MAHLE Industrial Filtration can supply this filter in stainless steel with flanged connections.

Other standard filter housings

We also supply other standard filter housings suitable for all industrial liquid and gas applications for various flow rates.

For more information please contact your representative.

Special models to suit customer requirements

Other options of supply and manufacture are non-standard types for higher temperatures, pressures and other materials according to current design codes are available on request.

3. Standard specifications

Design pressure	: -1 / 12 bar(g)
Design temperature	: -10 / 150 °C
Operating temperature	: depending on the filter media and gaskets used
Design	: AD-2000 Regelwerk
Approval	: PED 97/23/EC cat. III
Maximum differential pressure	
design	: 2.5 bar
operating	: depending on type of filter cartridge

The internal construction is designed to suit:

- Double Open End X0, X4 and X9
- Single Open End X3

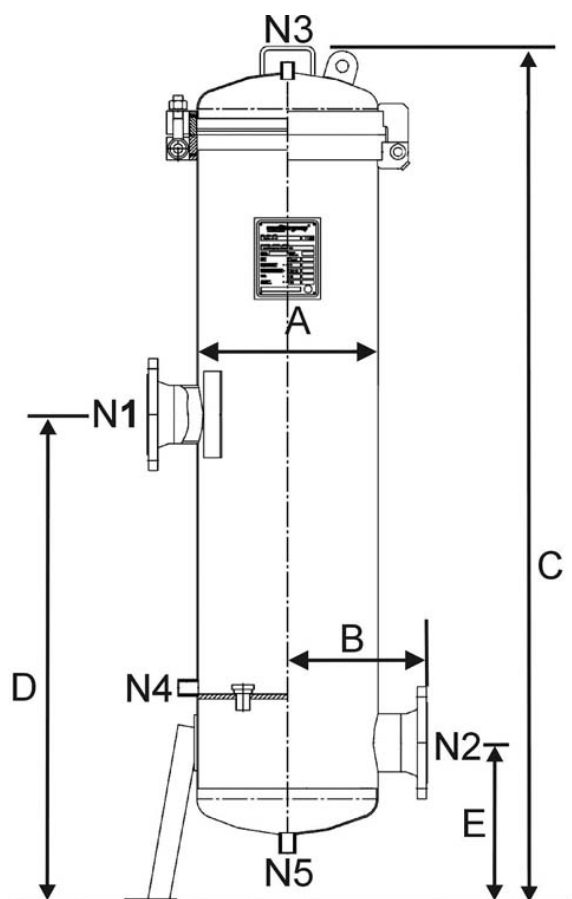
For use of DOE cartridges, tube guides and compression springs are supplied for quick and trouble free installation. For filter cartridges with X3 end cap configuration a compression plate is recommended.

5. Filter cartridges

MAHLE Industrial Filtration supplies a wide range of filter cartridges in different materials, pore sizes, dimensions and models to fit in our housings as well as those of other manufactures.

For detailed information about filter cartridges, please contact your representative.

7. Dimensions



Nozzle specification

N1 :	Inlet (DN100 EN1092-1 PN16)
N2 :	Outlet (DN100 EN1092-1 PN16)
N3 :	Vent (Rp½ - ISO7-1)
N4 :	Dirt drain (Rp¾ - ISO7-1)
N5 :	Clean drain (Rp¾ - ISO7-1)

Model	Dimensions						Volume [dm³]	Weight [kg]
	Diameter [mm] A	Standout [mm] B	Height [mm] C	Nozzle height [mm] D	Nozzle height [mm] E			
AFK72	356	275	1685	960	315		142	180

Height required for changing cartridges is height C plus cartridge length.

Dimensions are for reference only. Use dimensional drawing for installation purposes.

Subject to technical alteration without prior notice.

8. Ordering code

Example

AFK72

4

T

4F

Type

AFK72

Cartridge length

4 = 40"

Material

T = 316Ti (1.4571)

Inlet/outlet

4F = DN100 acc. EN1092/PN16



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