

Dust filter cartridge

160 NKC

Ø 160 mm, installation on cleaned side

1. Features

This MAHLE Industriefilter cartridge meets modern demands for waste reduction. Thanks to the reusable inner frame, only plastics parts that are suitable for incineration need to be exchanged if the cartridge is replaced. All metal parts can be reused again. The cartridge can optionally also be supplied with a fixed (non-reusable) inner frame. Star-pleated MAHLE dust filter cartridges are used to separate dust from gases. The cartridge is perfused from outside to inside. The retained dust is cleaned by a air jet pulse. The cartridge performance has been enhanced by the improved cleaning properties and the optimised flow conditions resulting from its conical design.

Regular, extensive material and performance tests are the key to the consistently high quality of MAHLE dust cartridges. Applications tests both on the customer's site and in our own facilities form the backbone of affordable and reliable products. The results of these tests form the backbone of innovative products, mature production methods and unmatched operational reliability.

Characteristics

- Very high loading capacity
- High stability
- Excellent cleaning properties
- Optimised flow conditions
- Worldwide distribution



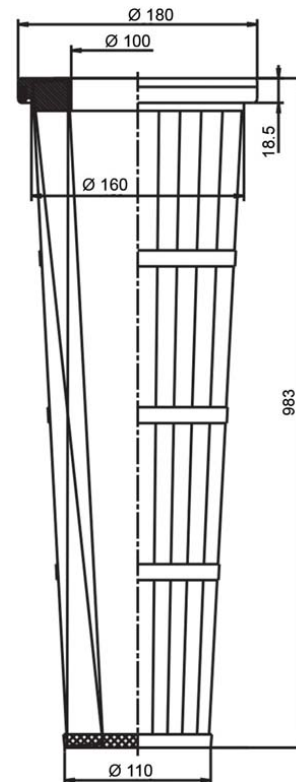
Technical Data

Materials

Inner core:	Galvanized steel (standard) or stainless steel V4A - AISI 316
End caps:	Galvanized steel (standard) or stainless steel V4A - AISI 316
Seal:	EPDM or silicone foam
Filter material:	Ti 07 - Electrically conductive polyester fleece with PTFE membrane Ti 08 - Electrically conductive polyester fleece Ti 15 - Polyester fleece Ti 19 - PP meltblown microfibre with support liner Other filter materials on request

Cleaning

Nozzle:	Multi-jet nozzle G ¾
Cleaning pressure:	4 bar to 6 bar (max. 7 bar)
Differential pressure:	max. 18 mbar
Compressed air consumption per cleaning pulse:	23 l (fad)
Compressed air reservoir capacity:	approx. 5 l per cartridge



Technical data is subject to change without notice!

3. Order numbers

Order number	Type designation	Filter material	Filter surface [m ²]	Max. vol. flow** [m ³ /h]	Max. operating temperature [°C]	Electr. conductive	Comments
76112031	852 953 Ti 07-2.5 V4A*	Ti 07	2.5	350	130	yes	Encapsulated inner frame
76306070	852 953 Ti 08-3.5	Ti 08	3.5		120		
76161624	852 953 Ti 15-3.5	Ti 15			50	no	Reusable inner frame
78386559	852 931 Ti 15-3.5						
79316159	852 931 Ti 19-2.5	Ti 19	2.5				

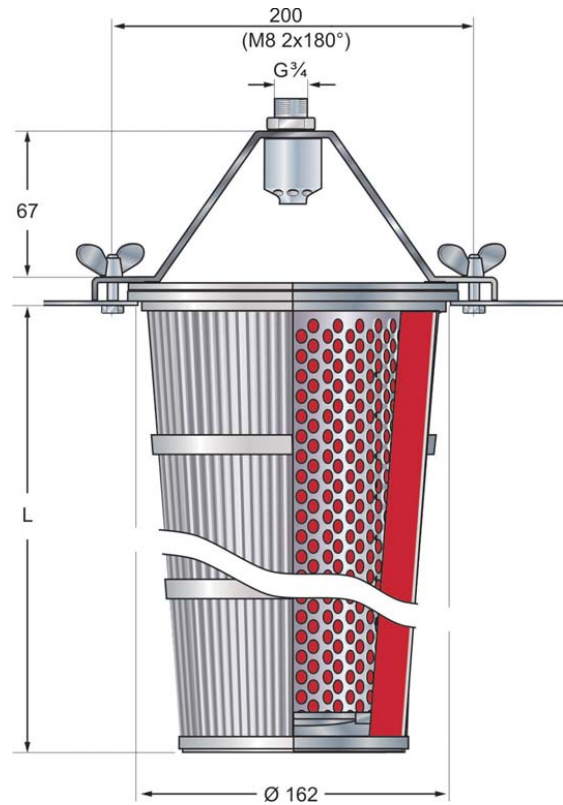
* Version made of stainless steel V4A - AISI 316 or equivalent

** These values may vary depending on the nature of the dust and the composition of the gas.

4. Installation

The dust filter cartridge is fastened to the filter plate on the cleaned side by means of retainers.

A hole with a diameter of 162 mm must be drilled in the filter plate.



5. Accessories

Order number	Designation
79741240	VAE 16, clean gas $\frac{3}{4}$
76360283	Nozzle M 16 $\frac{3}{4}$, aluminium
79341447	Nozzle M 16 $\frac{3}{4}$, V2A - AISI 304

6. Cleaning

We recommend cleaning the dust filter cartridge with the MAHLE multi-jet nozzle. The optimised geometry of the multi-jet nozzle guarantees excellent cleaning results with a significantly lower noise level.

The multi-jet nozzle is available from MAHLE in aluminium or stainless steel. It can also be purchased as part of the MAHLE VAE cleaning unit, comprising the nozzle, a stirrup and various small assembly components. The stirrup maintains an optimum distance from the cartridge to ensure maximum cleaning efficiency.



7. Design

Please contact us for detailed technical information, any open questions and for general expert advice. Completion of the relevant questionnaire would facilitate in the coordination of all important parameters.

Comprehensive documentation on our product range, cleaning units and cartridges can be provided.

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