

# MAHLE

*Driven by performance*

Dust filter cartridge

**328 NZC**

Ø 328 mm

## 1. Features

Star-pleated MAHLE dust cartridges are used to separate dust from gases. Dusty air or gas impinged to the outside of the cartridges and the cleaned airflow exits at the top. The retained dust can be cleaned with a rotating wing by means of a cleaning pulse or by jet pulse.

Regular and extensive performance testing of all materials used in production is the key to the consistently high quality of MAHLE dust cartridges. Additional applications tests are carried out both on the test stands in our own development laboratory and on the customer's site. The results of these tests form the backbone of innovative products, mature production methods and unmatched operational reliability.

### Characteristics

- High separation efficiency
- Uniform pleat distribution
- Reliable operation
- Large filter surface in a very small space
- Optimised filter materials
- Installation on the clean side
- Worldwide sales



## 2. Technical Data

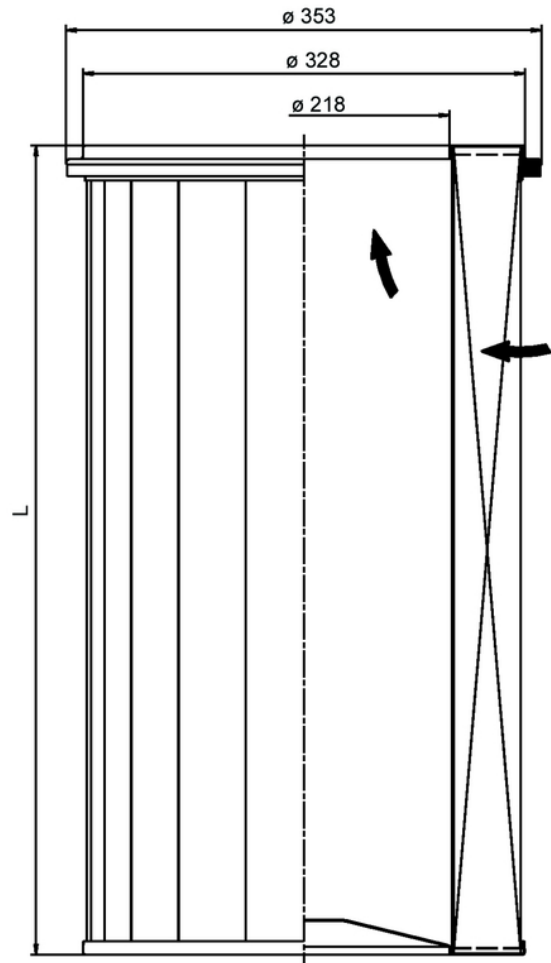
### Material

<b>Inner core:</b>	Galvanized steel (standard) or stainless steel V4A - AISI 316
<b>End caps:</b>	Galvanized steel (standard) or stainless steel V4A - AISI 316
<b>Seal:</b>	PUR soft material
<b>Filter material:</b>	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 Ti 70 - unbleached cellulose Other filter materials on request

### Cleaning

<b>Nozzle:</b>	Rotating wing RLD Rein or multi-jet nozzle G1
<b>Cleaning pressure:</b>	3 bar to 4 bar (max. 4.5 bar) or 5 bar to 6 bar
<b>Differential pressure:</b>	max. 15 mbar

Technical data is subject to change without notice!



## 3. Order numbers

Order numbers	Type designation	Length L** [mm]	Filter material	Filter surface [m²]	max. volume flow*** [m³/h]	Max. operating temperature [°C]	electr. conductive
78386948	852 781 Ti 07-7.5	600	Ti 07	7.5	750	80	ja
79394172	852 781 Ti 07-7.5 V4A*						
78361511	852 781 Ti 08-10		Ti 08	10			nein
77938046	852 781 Ti 15-10						
79354507	852 781 Ti 19-7.5		Ti 19	7.5			nein
78359788	852 781 Ti 70-13		Ti 70	13			
79355587	852 781 Ti 15-10 Band		Ti 15	10			nein
78387920	852 781 Ti 19-7.5 Band		Ti 19	7.5			

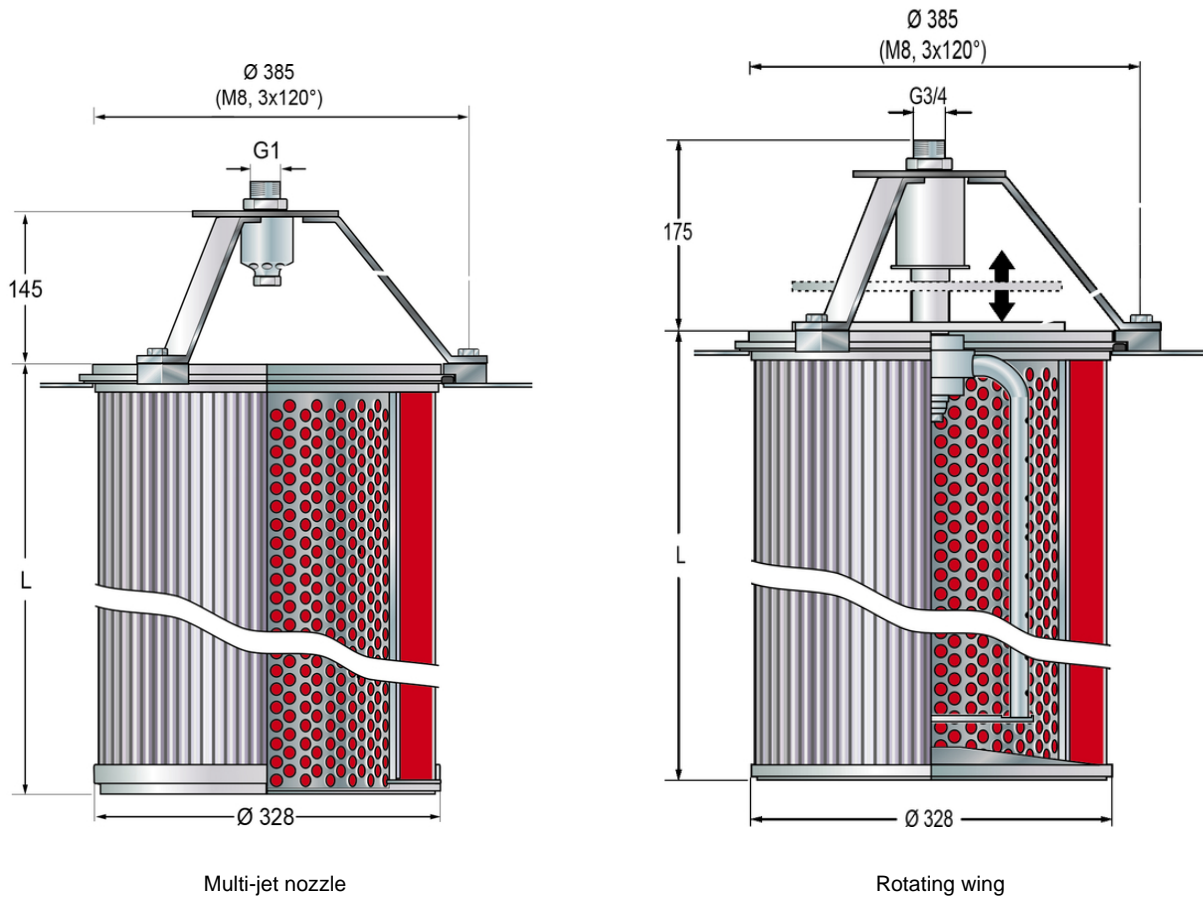
\* Version made of stainless steel V4A

\*\* Other cartridge lengths available on request

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

## 4. Installation

The dust removal cartridges (diameter: 328 mm) are fastened to the filter plate on the clean air side by means of retainers. A hole with a diameter of 330 mm must be drilled in the filter plate.



## 5. Accessories

Order number	Designation
79356734	Multi-jet nozzle MJD-32 00 Rein A1
78296758	Rotating wing RLD-32 08 Rein A1
78296857	Rotating wing RLD-32 06 Rein V1

## 6. Cleaning

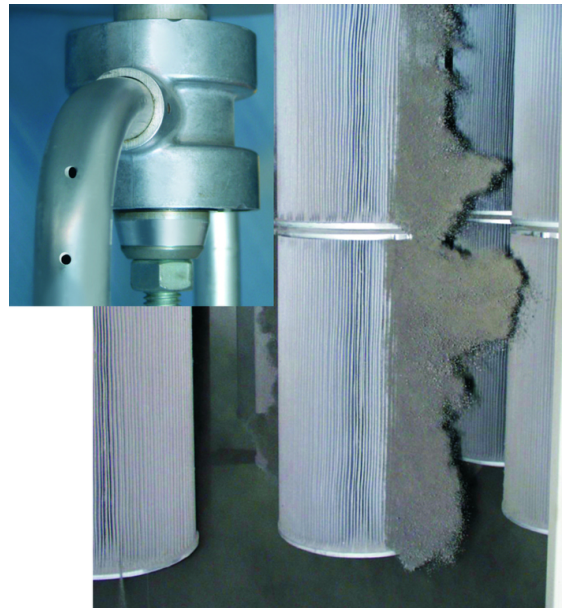
Two cleaning systems are available for dust filter cartridges with a diameter of 328 mm



### 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 MJD cleaning unit, comprising the nozzle, a tripod and various small assembly components. The stirrup maintains an optimum distance from the cartridge to ensure maximum cleaning efficiency.



### MAHLE rotating wing

The dam plate closes during cleaning and the rotating wing begins to turn. The large number of compressed air jets that are discharged from the wing elements guarantee gentle, uniform cleaning over the complete cartridge length. The simultaneous vibratory movement in the pleats generates a significant improvement in cleaning efficiency, particularly with critical dusts. Each pleat is cleaned several times over. The filter life is optimised as a result of the rotating wing.

## 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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