

## Dust filter cartridge

### 328 NZ

Ø 328 mm

#### 1. Features

Star-pleated Filtration Group dust cartridges are used to separate dust from gases. Dusty air or gas is applied to the outside of the cartridges under pressure and the cleaned airflow exits at the top. The retained dust can be cleaned off with a rotating wing by means of a cleaning pulse or compressed air.

Regular and extensive performance testing of all materials used in production is the key to the consistently high quality of Filtration Group 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

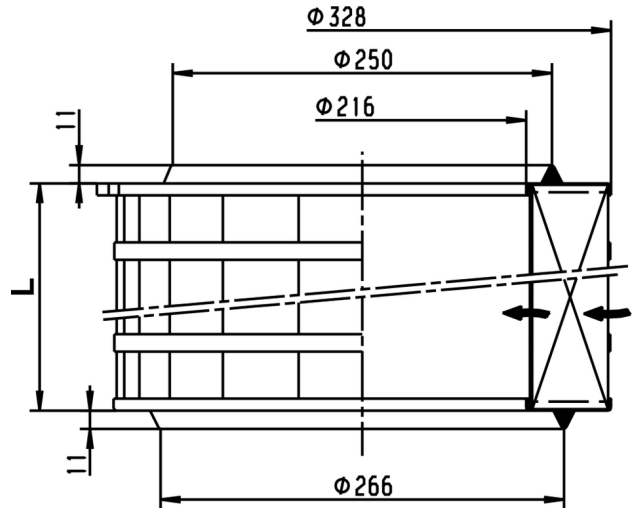
- High separation efficiency
- Uniform pleat distribution
- Reliable operation
- Large filter surface in a very small space
- Optimised filter materials
- Installation on the dirt side
- Worldwide sales



## 2. Technical Data

### Material

|                      |  |
|----------------------|--|
| <b>Inner core:</b>   | Galvanized steel (standard)<br>or stainless steel V4A  |
| <b>End caps:</b>     | Galvanized steel (standard)<br>or stainless steel V4A  |
| <b>Seal:</b>         | Soft material PUR  |
| <b>Filter media:</b> | Ti 07/1 - Electrostatic conductive polyester<br>fleece with PTFE membrane<br>Ti 08 - Electrostatic conductive polyester<br>fleece, aluminium coated<br>Ti 15 - Polyester fleece<br>Ti 19/2 - Cellulose/polyester carrier with<br>Polypropylen meltblown<br>Ti 56/2 - Polyester fleece with PTFE<br>membrane<br>Ti 70 - Cellulose with 30 % polyester fibres<br>Other filter materials on request |



### Cleaning

|                               |  |
|-------------------------------|--|
| <b>Nozzle:</b>                | RLD or MJD Rohgass                                 |
| <b>Cleaning pressure:</b>     | 3 bar to 4 bar (max. 4.5 bar)<br>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 number | Type designation**          | Length L [mm] | Filter media | Filter surface [m <sup>2</sup> ] | max. volume flow*** [m <sup>3</sup> /h] | max. operating temperature [°C] | Electrostatic conductive |
|--------------|-----------------------------|---------------|--------------|----------------------------------|---|---------------------------------|--------------------------|
| 78388274     | 852 907 Ti 07-5             | 300           | Ti 07/1      | 5                                | 400                                     | 80                              | yes                      |
| 78313124     | 852 907 Ti 15-5             |               | Ti 15        |                                  |   |                                 | no                       |
| 78313249     | 852 907 Ti 70-6.3           |               | Ti 70        | 6,3                              |   |                                 |                          |
| 79354770     | 852 908 Ti 07-7.5           | 600           | Ti 07/1      | 7,5                              | 750                                     | 80                              | yes                      |
| 79354788     | 852 908 Ti 07-7.5 V4A*      |               |              |                                  |   |                                 |                          |
| 79355447     | 852 908 Ti 08-10            | 600           | Ti 08        | 10                               | 750                                     | 80                              | yes                      |
| 79354697     | 852 908 Ti 15-10            |               | Ti 15        |                                  |   |                                 | no                       |
| 79354200     | 852 908 Ti 19-7.5           | 600           | Ti 19/2      | 7,5                              | 750                                     | 80                              | no                       |
| 79354895     | 852 908 Ti 70-13            |               | Ti 70        | 13                               |   |                                 |                          |
| 78361479     | 852 908 Ti 07-7.5 V4A Band* |               | Ti 07/1      | 7,5                              |   |                                 |                          |
| 79355454     | 852 908 Ti 08-10 Band       | 600           | Ti 08        | 10                               | 750                                     | 80                              | yes                      |
| 78312985     | 852 908 Ti 15-10 Band       |               | Ti 15        |                                  |   |                                 | no                       |
| 78387979     | 852 908 Ti 19-7.5 Band      |               | Ti 19/2      | 7,5                              |   |                                 |                          |
| 79355140     | 852 909 Ti 07-12.5          | 1000          | Ti 07/1      | 12,5                             | 1200                                    | 80                              | yes                      |
| 79355181     | 852 909 Ti 19-12.5          |               | Ti 19/2      |                                  |   |                                 | no                       |

\* Version made of stainless steel V4A

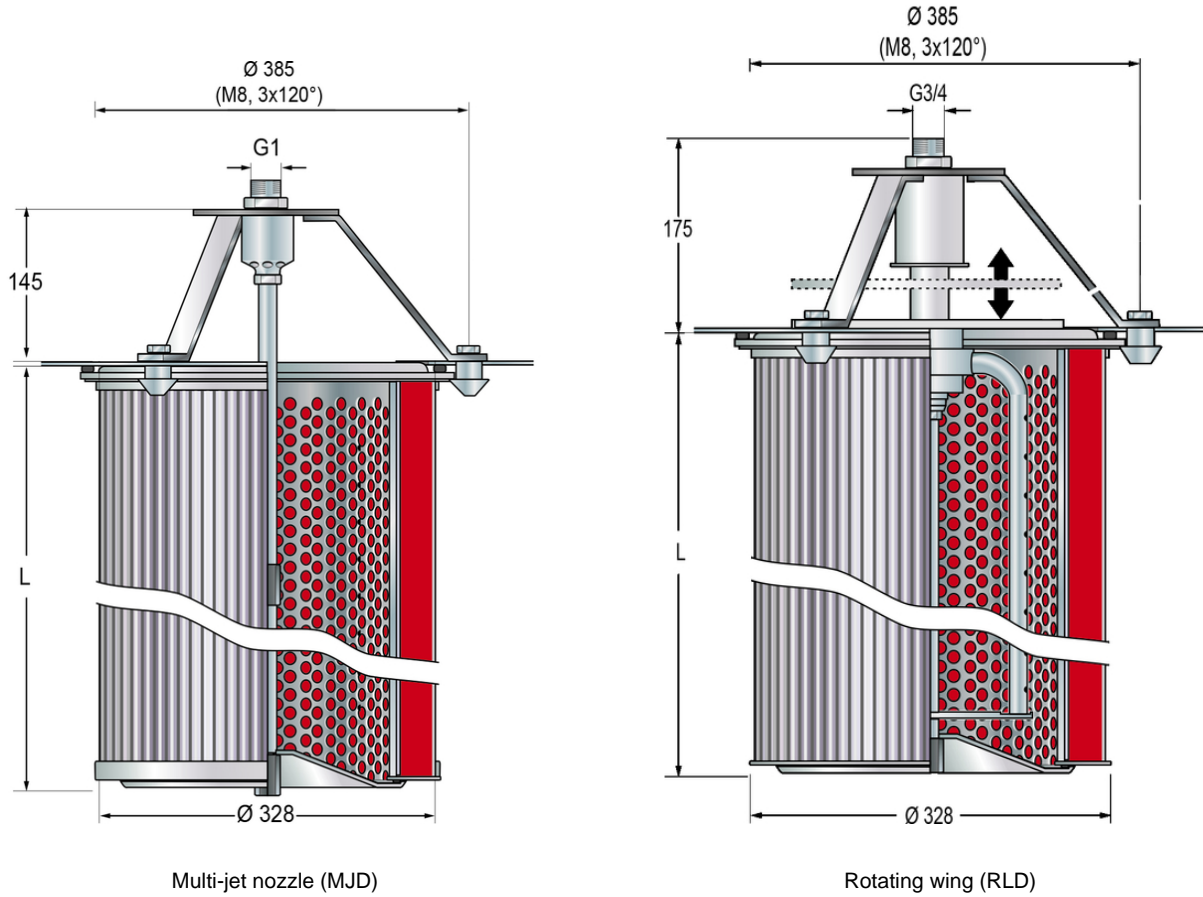
\*\* Further cartridge types available on request

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

## 4. Installation

The dust filter cartridges (diameter: 328 mm) are fastened to the filter plate on the dirt side by means of a tie rod (tightening torque approx. 15 Nm).

A hole with a diameter of 214 mm must be drilled in the filter plate. Mounting is facilitated by a centre ring.



Multi-jet nozzle (MJD)

Rotating wing (RLD)

## 5. Accessories

| Order number | Designation  |
|--------------|--|
| 76161913     | Reusable end cap, galvanized steel                 |
| 76161921     | Reusable end cap, stainless steel V4A - AISI 316   |
| 77838568     | Centre ring-EL 033, galvanized steel               |
| 77934326     | Centre ring-EL 033, stainless steel V2A - AISI 304 |
| 77885031     | Centre ring-2E 033, galvanized steel               |
| 78215220     | Centre ring-2E 033, stainless steel V2A - AISI 304 |
| 79791104     | Holding bolts PA6, pack of 3                       |
| 79356387     | Cleaning unit MJD-32 06 ROH A1                     |
| 78331852     | Cleaning unit RLD-32 06 ROH A1                     |
| 79339219     | Cleaning unit RLD-32 06 ROH V2                     |
| 78296840     | Cleaning unit RLD-32 06 ROH V1                     |

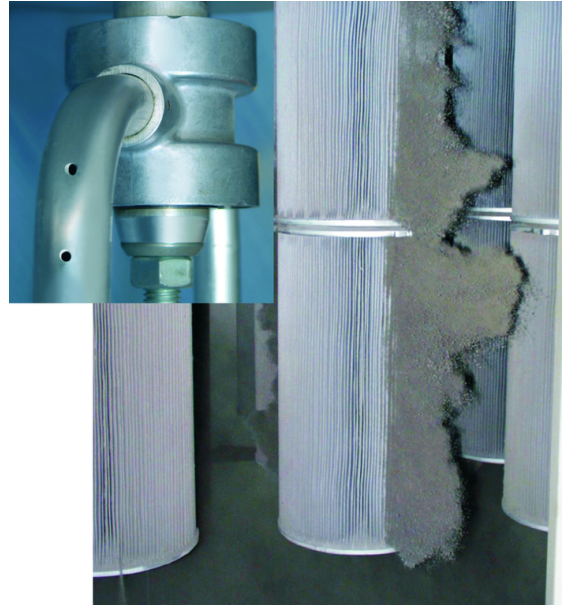
## 6. Cleaning

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



### Filtration Group multi-jet nozzle (MJD)

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 Filtration Group in aluminium or stainless steel. It can also be purchased as part of the Filtration Group MJD cleaning unit, comprising the nozzle, a tripod and various small assembly components. The tripod maintains an optimum distance from the cartridge to ensure maximum cleaning efficiency.



### Filtration Group rotating wing (RLD)

The baffle plate closes during cleaning and the rotating wing begins to turn. The large number of pulsed 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. 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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