

ultramesh® P-SM

Pre- and final filter for particle removal from aqueous solutions, water and other liquids, as well as gases, with an absolute retention rate.

Product description:

The ultramesh® filter consists of a regenerable stainless steel mesh, with stainless steel outer guard and endcaps. The retention rate extends from 5 µm up to 250 µm.

Features:

The ultramesh® filter element offers an especially economical pre- and final filtration, where the stainless steel mesh can be regenerated by ultrasonic bath or back flushed. This is especially important at higher particle loads. The contact points of the mesh material are welded firmly together, which guarantees a constant pore diameter, even under extreme operating conditions. The heavy-duty construction of the ultramesh® filter is also suitable for high-viscosity liquids and can withstand a differential pressure of up to 5 bar (75 psid). In addition, the filter can be used for temperatures up to 200°C (400°F).

Applications:

The ultramesh® stainless steel filter is designed and developed for the following applications:

- Water filtration
- Chemicals
- Solvents
- Pharmaceutical industry
- Food and beverage
- Syrup
- Cosmetics
- Paints
- Salt- and Seawater
- Coolants
- Compressed air an other gases

Absolute retention rate:

5 µm, 25 µm, 50 µm, 100 µm, 250 µm



The ultramesh® P-SM – regenerable stainless steel mesh filter for liquid media

| DIMENSIONS | | | | | | |
|--------------|-----|----|------------------------------|-----|------|--|
| ELEMENT SIZE | A | B | Ø C o.d. nominal width | Ø D | CF | |
| 03/10 | 76 | 12 | 31.0 (3/4") | 42 | 0.12 | |
| 04/10 | 104 | 12 | 31.0 (3/4") | 42 | 0.17 | |
| 04/20 | 104 | 14 | 38.5 (1") | 52 | 0.19 | |
| 05/20 | 128 | 14 | 38.5 (1") | 52 | 0.25 | |
| 05/25 | 128 | 14 | 38.5 (1") | 62 | 0.32 | |
| 07/25 | 180 | 14 | 38.5 (1") | 62 | 0.47 | |
| 05/30 | 128 | 16 | 63.0 (2") | 86 | 0.46 | |
| 07/30 | 180 | 16 | 63.0 (2") | 86 | 0.68 | |
| 10/30 | 254 | 16 | 63.0 (2") | 86 | 1.00 | |
| 15/30 | 381 | 16 | 63.0 (2") | 86 | 1.55 | |
| 20/30 | 508 | 16 | 63.0 (2") | 86 | 2.10 | |
| 30/30 | 762 | 16 | 63.0 (2") | 86 | 3.28 | |
| 30/50 | 762 | 16 | 91.0 (3") | 140 | 5.89 | |