

## P-SM Mesh Filter



### Specifications

|                        |                                       |
|------------------------|---------------------------------------|
| Size, "(inch):         | 5", 10", 20", 30"                     |
| Filtration rating, µm: | 5 - 100                               |
| Flowrate, l/min:       |                                       |
| Max. Temp. C°:         | 480                                   |
| Diff. Pressure:        | see chart                             |
| Efficiency, %:         |                                       |
| Connection:            | DOE, Code7                            |
| Material:              | 316                                   |
| O-ring:                | Viton, Nitrile, Silicone, PTFE, EPDM, |
| Approval(s):           |                                       |

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

Made of multiple layers of stainless steel, which has excellent pressure-, temperature- and corrosion resistance.

- Stainless steel construction.
- Five-layer stainless steel sintered formation.
- Inner reinforcing.
- Uniform pore size.
- Great back flush flow.
- No fiber migration.
- Resistance of corrosion, high pressure and extreme temperature.

**Note:** Code 7 endcaps if requested.

| Dimensions |             |                                |
|------------|-------------|--------------------------------|
| Size       | Length (mm) | Filtration area m <sup>2</sup> |
| 5"         | 127         | 0,025                          |
| 10"        | 254         | 0,050                          |
| 20"        | 508         | 0,10                           |
| 30"        | 762         | 0,15                           |

| Additional Data             |                  |
|-----------------------------|------------------|
| Absolute retention rate     | 1µm-1000µm       |
| Max. diff. pressure         | 5bar             |
| Max. reverse diff. pressure | 3bar             |
| Regeneration                | Ultrasonic bath  |
| Temperature range           | < 0°C to ~ 480°C |

| Number | Liquid Accuracy (µm) | Gas Accuracy (µm) | Porosity (%) | Absolute Accuracy (µm) | Average permeability (L/dm <sup>2</sup> min) | Liquid flow (m <sup>2</sup> /h) |
|--------|----------------------|-------------------|--------------|------------------------|--|---------------------------------|
| 1      | 2,0                  | 0,8               | 38           | 8-9                    | 2,35   | 0,25                            |
| 2      | 5,0                  | 1                 | 38           | 12-14                  | 2,42   | 0,43                            |
| 3      | 10                   | 3                 | 38           | 16-18                  | 3,00   | 0,50                            |
| 4      | 20                   | 15                | 38           | 28-32                  | 4,50   | 0,58                            |
| 5      | 40                   | 25                | 38           | 58-63                  | 7,10   | 0,67                            |
| 6      | 100                  | 85                | 38           | 125-130                | 16,20  | 0,8                             |

