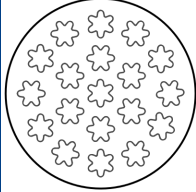
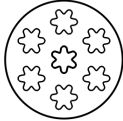
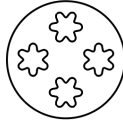
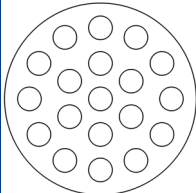
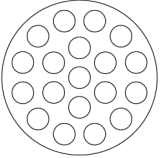
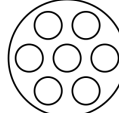

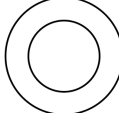



Membrane Filter Configurations

| |  |  |  |
|--|---|---|---|
| External Diameter (mm) | 32 | 21 | 21 |
| Number of Channels | 19 | 7 | 4 |
| Star Diameter (mm) | Outer 4.6 / Inner 2.8 | Outer 4.6 / Inner 2.8 | Outer 5.9 / Inner 3.1 |
| Channel Shape | Star | Star | Star |
| Length (mm) | 600 1200 | 600 1200 | 600 1200 |
| Filtration Area (m²) | 0.17 0.33 | 0.07 0.14 | 0.06 0.11 |



| |  |  |  |  |  |  |
|--|---|---|---|--|---|---|
| External Diameter (mm) | 32 | 25 | 21 | 21 | 21 | 10 |
| Number of Channels | 19 | 19 | 7 | 4 | 1 | 1 |
| Channel Diameter (mm) | 4 | 3.5 | 4 | 6 | 14 | 7 |
| Channel Shape | Circular | Circular | Circular | Circular | Circular | Circular |
| Length (mm) | 600 1200 | 600 1200 | 600 1200 | 600 1200 | 600 | 600 |
| Filtration Area (m²) | 0.14 0.28 | 0.12 0.24 | 0.05 0.10 | 0.05 0.09 | 0.02 | 0.01 |



| | |
|---------------------------------|--|
| Substrate Material | Alumina |
| Membrane Material | MF: Alumina, UF: TBA |
| Microfiltration Coatings | 0.2, 0.35, 0.5, 0.8, 1.2 μm |
| Ultrafiltration Coatings | Under development |
| Operating Pressure (bar) | 8 max |
| Bursting Pressure (bar) | >32 for diameters 21mm and above |
| Chemical Resistance | pH: 0-14 (compatible with organic solvents) |
| Clean in Place (CIP) | 2% sodium hydroxide solution, 2% hydrogen peroxide solution, 2% nitric acid solution |