**Technical Data Sheet – KynarPure-D (PVDF)**

***Materials of Construction***

 **Filter Membrane:** Dual layer Hydrophilic Polyvinylidene Fluoride (PVDF)

**Supports:** Polypropylene

 **Cage/End Caps:** Polypropylene

 **Core:** Polypropylene or Polysulfone

 **Adaptor:** Polypropylene

**O-Rings:** Silicone or EPDM

***Filter Dimensions***

**Outer Diameter:** 68.5 mm (2.70”)

**Inside Diamete**r: 33.0 mm (1.3”)

**Length:** 5”, 10”, 20”, 30” and 40”

**Filter Area:** >10” Long, 0.60 m2 (6.48 ft2); 20” Long, 0.1.20 m2 (12.96 ft2); 30” Long, 1.80 m2 (19.45 ft2); 40” Long, 2.40 m2 (25.9 ft2)

***Integrity Data***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pore Size** | **Min, Bubble Point, 25oC** | **Max. Diffusion, 25 oC** | **Challenge Microorganisms** | **LRV per cm2** |
| 0.22 µm | >3.4 bar | <11 ml/Min@ 2.7 bars | Brevundimonas Diminuta (ATCC 19146) | 7 |
| 0.45 µm | >1.8 bar | <18 ml/Min@ 1.4 bars | Serratia Marcescens (ATTCC 14756) | 7 |
| 0.65 µm | >1.2 bar | <18 ml/Min@ 1.0 bars | Saccharomyces Cerevisiae (ATTC 18824) | 7 |

***Operating Parameters***

 Maximum Operating Temperature: 1.9 bar (27.9 Psi) @ 82 oC (179.6 oF)

 Maximum differential Pressure (forward): 5.2 bar (76.4 Psi) @ 25 oC (77 oF)

 Maximum differential Pressure (reverse): 2.1 bar (30.9 Psi) @ 25 oC (77 oF)

 Recommended Replacement Pressure: 2.4 bar (35.3 Psi)

***Safety***

 Bacteria Endotoxins: <40.25 EU/ml

 Extractables: 40 mg/10 Inches

***Regulatory***

 ASTM D6394 SP0112

 FDA 21 CFR 177.1655

 ISO 10993-Part 1. 5

 EN 285:2006+A2:2009.

 Regulation (EC) No 1935/2004

***Note: The Flow vs. Pressure Drop data can be found on the Literature***