**Technical Data Sheet – SteriPure-G**

***Material of Construction***

**Filter Membrane:** Polyethersulphone (PES) and Glass Fiber Pre-filter

**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, 0.44 m2 (4.73 ft2); 20” Long, 0.88 m2 (9.46 ft2); 30” Long, 1.32 m2 (15.77 ft2); 40” Long, 1.76 m2 (18.92 ft2)

***Integrity Data***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Pore Size** | **Min, Bubble Point, 25oC** | **Max. Diffusion, 25 oC** | **Challenge Microorganisms** | **LRV per cm2** |
| 0.22 µm | 3.0 bar | 23 ml/Min@ 2.4 bars | Brevundimonas Diminuta (ATCC 23206) | 7 |
| 0.45 µm | 1.8 bar | 23 ml/Min@ 1.4 bars | Serratia Marcescens (ATTCC 14756) | 7 |
| 0.65 um | 1.2 bar | 23 ml/Min@ 0.9 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