



## **ACCEPTANCE RATIONALE**

### **Design:**

Nonseparable, canister design

Materials : - Body: Stainless steel  
- Element: welded, single layer, Dutch Weave, stainless steel, wire mesh cloth

Upstream filtration: - S70-0868 panels, filters A97363/A96363 (HMF)

Contaminate capacity: 3.6 grams

### Pressure (psig):

- operating: 250
- rated: 1500
- proof: 2250
- burst: 6000
- element collapse: 400 differential

This equipment is designed and used in accordance with SN-C-0005, Contamination Control Requirements.

These filters are only used with fluids that conform to SE-S-0073, STS Fluid Procurement and Use Control Specification.

**Test:** The ME286-0068 filter procurement specification requires the following tests:

- Each filter element is "bubble point" tested (prior to assembly to the body)
- Each filter is proof pressure tested for no less than three minutes
- Lot representative filters are filtration tested with contaminate dust
- Lot representative filters are vibration tested
- Lot representative filters are (filter element) collapse pressure tested with contaminate dust

### **Inspection:**

- Early Program filter element inspections of dissected, actual-use filters showed no indications of corrosion, wear or material defect. Further, no actual-use filter so inspected contained a contaminate quantity approaching its rated capacity.

OMRSD File VI TBD.

### **Failure History:**

- The PRACA database was queried and one failure was reported. The failure is attributed to the inability of the filter to pass the bubble point testing.

- The GIDEP failure data interchange system was queried and no failure data was found on this component in the critical failure mode.

**Operational Use:**

- Correcting Action: None