

E01-SAA09FT06-001
Sheet 13 of 18SAA09FT06-011
Rev. C

OCT 10 1990

S040244
ATTACHMENT -
Page 8 of 68SFP Item: FilterFind Number: A103680Criticality Category: 1SSAA No: 09FT06-011System/Area: Fluid & Gas Subsystem P/L
Canister TransporterNASA Part No: 79K80146-1PMN/ Name: A70-0892Mfg Part No: Technetics Division/
Brunswick Corp/Wintec Product Drawing/ 79K08346/
FR1564-0204 Sheet No: 2Function: Filters 20 psig GN₂ to the ECS valve control panel.Critical Failure Mode: Clogs (FMN 09FT06-011.005)Cause: Internal part failureFailure Effect: Loss of GN₂ to ECS Valve Control Panel. Loss of canister vent control to smother in event of fire. Potential loss of life or payload.Acceptance RationaleDesign:

- | | <u>Rated</u> | <u>Actual</u> |
|---|--------------|---------------|
| o Component Specification: | | |
| Pressure (psig) | 6000 | 20 |
| Flow (scfm) | 270 | 2 |
| Temperature (°F) | -25 to 250°F | Ambient |
| o Materials: | | |
| Housing - 300 series SST | | |
| Seals - Buna-N O-rings | | |
| Absolute micron rating - 10 | | |
| o 24,000 psig burst pressure. | | |
| o Element collapse pressure - 4500 psid | | |

Test:

- o Filter was procured and accepted in accordance with the requirements of NASA component specification 79K80146.
- o Annual filter element change out and leak check and at filter element replacement per OMI E6401.

Inspection:

- o Filter replacement (annual) verified prior to each operational use per OMI E2004.

Failure History:

- o No MDAC PRACA failure history in the critical failure mode.

Operational Use:

- o N/A