

NAME P/N QTY	FUNCTION	FAILURE MODE & CAUSES	MISSION PHASE	FAILURE EFFECT	FAILURE DETECTION FLIGHT/GROUND	TIME TO EFFECT/ ACTIONS	CERT	REMARKS/ HAZARD	REF
RELIEF VALVE, CONDENSATE WATER, ITEM 134 ----- HV700K05-6 (1)	Prevents feedwater from backfilling the separator during storage or recharge. Provides backpressure for water separator to prevent oxygen carryover into water supply tank.	134/M01A: Internal water leakage, falls open.  CAUSE: Seat contamination, spring fractures, diaphragm leakage, plunger fails to close, bounding seal bypass leakage.	PNEEVA  EVA	EMU ILEN: Loop of back pressure.  GFE INTERFACE: This could cause as much as 5% gas inclusion, and as much as 12% when operating on reserve water. This amount of gas inclusion in the water will not affect the coolant loop operation.  MISSION: None for single failure. Double failure of 134 falling open and water separator stopping would cause water carryover into vent loop, helmet fogging and mission termination.  CREW/VEHICLE: None for single or double failure. Possible loss of crewmn with loss of SOP.	FLIGHT: No.  GROUND: Yes. FEMU-R-001, Para. 7.3.3.2.1.1. 2, Water Servicing Leakage and Gas Removal.	None.  TIME AVAILABLE: N/A  TIME REQUIRED: N/A	3/IR  A-PASS B-N/A C-PASS	This valve is standby redundant to the water separator during EVA. The "M" screen does not apply. The redundant paths are the water separator and the SOP.	