

Procurement of EGS Spare Parts, CCF

1.0 Background

Procurement of these components is necessary to ensure spare parts are available for Kennedy Space Center Propellants & Life Support Services (KPLSS) equipment to support Artemis systems, including the Compressor/Converter Facility (CCF), commodity lines, rechargers, and panels. These systems provide high-pressure helium, low- and high-pressure nitrogen, breathing air, and oxygen. Spare parts are required to be purchased to have on-hand in the event of component failure, to minimize outages and provide continued support to Exploration Ground Systems (EGS). This purchase is for spare parts to support this effort. Each system has certain cleaning requirements, per KSC-C-123. Cleaning specifications are noted for components using this standard, which is similar to industry standard ASTM G93 and ANSI/ASTM B.40.1.

2.0 Requirements

The following are the components needed to ensure EGS has the minimum number of spares needed for Artemis III. Quotes must have estimated AROs and any additional lead time from the manufacturer. Specified cleaning is requested to be completed by the vendor per ASTM G93 specifications through a full disassembly and reassembly process, unless otherwise noted to be flow-through or to use ASTM B40.1, prior to shipment to Kennedy Space Center. A certificate of conformance shall be included with the delivery of the component.

Brand Name – Anderson Greenwood

Item No.	National Stock Number	Part Number	Description	Quantity
1	482000PL21720	81SF68-4	VALVE, RELIEF, 3/4" FNPT INLET, 1" FNPT OUTLET, SET @ 5868 PSIG Cleaned to 1000A	1

Brand Name – Rosemount

Item No.	National Stock Number	Part Number	Description	Quantity
2	668500PL25557	4088B1P13G4R2A111AL1Q4	TRANSDUCER, PRESSURE, Multivariable Transmitter Using ASTM B40.1-1988, Table 2, clean to Level IV.	1

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Brand Name – Tescom

Item No.	National Stock Number	Part Number	Description	Quantity
3	482000K860440	26-1027-34-272 (KSC P/N: 79K80004-1)	VALVE,REGULATING, FLUID PRESSURE, 1/4", MONO-DIRECTIONAL, 6000 PSI, 0-500 PSI, SAE-AS5202-4, HAND KNOB - ZYTEL ST-800 NYLON, 300 SERIES SST, 300 SERIES SST, NITROGEN,HELIUM,HYDROGEN ,DRY AIR Cleaned to 1000A	1
4	668500PL21786	26-1067-34-182A	REGULATOR, PRESSURE, SPRING LOADED, 1/4" MS33649 CONNECTIONS, 6000 PSI, SST Cleaned to 1000A	1
5	482000SD00134	30-1300-308-179 (KSC P/N: 79K80057-2)	VALVE,ANGLE, 1/2", 7400 LB, -20 TO 220 DEG F, 3/4"-16 UNJF-3B INT STRAIGHT THD GASKET SEAL TUBE, ZYTEL ST-800 NYLON KNOB, CRES 300 SERIES SS, CRES 300 SERIES SS TRIM, NYLATRON SEAT, 17-4 PH SS STEM, DRY AIR, HELIUM, HYDROGEN, NITROGEN Cleaned to 100A	12
6	482000K862955	VN6VB129129 2-01	VALVE,GLOBE, 1-1/2 IN, 10,000 PSIG MAX Cleaned to 300A	1

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