MR Number: 26221-100-MRA-MCPS-00001

Title: N2 Sealgas Booster Compressor Package (2PK-3903A/B)

Scope of Work: Drawings & Data submittal Electronically
Quality System Description and Requirements
Manufacturing and Testing

Design, furnish materials, fabricate, test and deliver Reciprocating Air-Cooled Compressor Packages complete with specified appurtenances and auxiliary equipment including all on-skid piping, fittings, valves and specialties in accordance with this Material Requisition (MR).

Packages shall be skid mounted, self-contained, and functional units consisting of, but not limited to the following:
• Reciprocating Compressor (Non-API; Manufacturer-Standard)
• Electric Motor
• Guard for Belt Drive / Coupling Guard (as applicable)
• Pulsation Suppressors (at compressor suction and discharge)
• Inter-Coolers & After-Coolers (as required), Lube Oil Coolers (air cooled);
• Moisture Separator
• Safety Relief Valves as needed

In addition to the major equipment listed above, the Compressor packages shall include, as a minimum, the following:
• All necessary piping and supports for the above equipment and interconnecting piping between equipment including valves, fittings, etc. with all necessary supports.
• All necessary instrumentation, controls including control valves, flow meters, analyzers, etc.
• Compressor Loading/Unloading System.
• Control panel based in PLC with HMI/Operator interface and Modbus TCP/IP or Ethernet communication interface.
• All necessary electrical wiring and other electrical items.

Technical parameters:
Capacity: 1260 Nm3/h (1566 kg/h)
Suction Pressure: Minimum – 387 kPag; Maximum – 742 kPag
Discharge Pressure: 1034 kPag (at outlet of After Cooler)
Temperature:
Max. Suction: 50 deg C
Max. discharge : 50 deg C (at outlet of After Cooler)

All equipment provided must meet local codes for Western Australia, Project Specifications, as well as any other Australian/local regulations, statutory requirements, and Australian codes and standards as applicable.