



MASTER SPECIFICATION

Enquiry No: AHT0000026999

SUPPLY AND DELIVERY OF COMPRESSOR LPG 2-CYL GAS SERVICE TO PetroSA REFINERY Mossel Bay.

The following requirements summarise the compressor package for tender and purchase order purposes.

2.2 Purchase Order Text PetroSA Material 35119945

Specification Item	Requirement
Item	Compressor package
Type	Reciprocating, skid-mounted
Service	LPG offloading
Drive	Electric motor, V-belt
Maximum discharge flow	50 m ³ /h
Power supply	525VAC, 3-phase, 50Hz
Hazardous area	Zone 2
Gas group	IIA
Temperature class	T2
Motor manufacturer	WEG
Motor efficiency	IE2 minimum
Motor enclosure	TEFC
Motor protection	IP55 minimum
Control voltage	24VDC
Local control panel	IP65 minimum
Application	LPG offloading from road tankers to storage tank
Part number	Vendor to state
Model	Vendor to state
Manufacturer	Vendor to state

2.3 Package Scope

No.	Package Scope Item
1	Reciprocating compressor and electric motor with antistatic V-belt drive and fully enclosed belt guard.
2	Integral LPG suction knock-out drum, pressure safety valve, air cooler, skid piping and all required ancillary systems.
3	Integrated motor starter, instrumentation and local control panel with interface to the PetroSA control system.
4	Package to be fully assembled, wired, tested and ready for connection to site

	power, process piping and the plant control system.
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2.4 Notes and Compliance Requirements

No.	Notes and Compliance Requirement
1	The complete package shall comply with PetroSA Technical Specification P051.1302, Revision 3: "Technical Specification for Supply of Reciprocating Compressor Package for LPG Offloading."
2	The suction knock-out drum shall be supplied as an integral part of the compressor skid and shall comply with Section 5.1 of the technical specification.
3	The complete technical specification shall form part of the request for tender and the purchase order.
4	Vendor shall state all proposed deviations from the technical specification in its tender.