



A division of Transnet limited (SOC)

RAIL NETWORK TECHNICAL SPECIFICATION

Specification for DC Fuel Transfer Pump Kit

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1.0 INTRODUCTION

- 1.1 The portable transfer pump unit with a self-priming electric vane pump.
- 1.2 Pump shall allow for use of different pumps according to the required flow rates and different applications.

2.0 SCOPE

- 2.1 This specification outlines the requirements of battery operated fuel/oil transfer pump kit to be purchased by Transnet Freight Rail.

3.0 REQUIREMENTS

3.1 General requirements

- 3.1.1 The equipment shall be able to operate in harsh environments and be made with a material offering excellent water resistance.
- 3.1.2 The equipment should be capable of operating at temperatures ranging from -1°C to 50°C.

3.2 Technical and functional requirement

The technical and functional requirements of the Equipment shall be as the following:

DESCRIPTION	FLUIDS TYPE	FLOW RATE		VOLTAGE			FUSES CAPACITY	PUMP	DUTY CYCLE	NOZZLE	HOSE		CHECK FILTER
		L/MIN	GPM	AC V./HZ DC VOLT	POWER WATT	AMP. MAX.	AMPERE	TYPE	MINUTES	TYPE	LENGTH	Ø	
BATTERY KIT PANTHER 12-24V	Diesel	35/70	9/18	12/24	600/200	25/16	30	DC Pump	30	SELF 2000	5M	3/4"	YES

5.0 PACKAGING

The fuel transfer pump shall come complete with:

- PUMP
 - SUCTION HOSE
 - DELIVERY HOSE
 - HANDLE
 - NOZZLE
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- MESH FILTER AND CONNECTIONS
 - CABLES
 - INSTRUCTION MANUAL

6.0 GENERALS

- 6.1 This equipment shall be made based on this specification and SANS/ISO approved specifications or any other internationally approved inspection authority.
- 6.2 The manufacturer shall give warranty for satisfactory operation of the equipment. The warranty will not cover any accidental mechanical damage to the Equipment.