

SPECIFICATION FOR

**Fuel Hose 6” assembly
for transportation of fuel**

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1. GENERAL

This specification covers the manufacture, assembly, inspection, testing and supply of fuel hoses for EAPC Ltd.

The fuel hose will be used to transport crude oil/distillates from one storage tank to the other in EAPC's Ashkelon compound.

2. SCOPE OF SUPPLY

The scope of supply shall include the following:

- 2.1 Five (5) 6" O.D fuel hose segments, each segment 50m in length.
- 2.2 One (1) hose cart with a 3pt hitch connection or fork connection suitable for fast deployment and retrieval of the hose segments. The source of power for the deployment and retrieval actions shall be by hydraulic means and the weight of the cart shall not be greater than 2500 kg. The vendor shall specify the dimensions of the cart.
- 2.3 The cart shall be able to deploy and retrieve the hose segments whether they are connected to each other or not.
- 2.4 The cart shall not have wheels.
- 2.5 The fuel hose assembly shall be zero leakage, designed as fireproof, crude oil/distillates resistant and anti-static.
- 2.6 The fuel hose shall be able to withstand the site conditions specified in section 3.
- 2.7 The ends of the fuel hose shall be suitable for a R.F flanged connection according to ANSI B16.5 #150 RF flange. It is possible for the manufacturer to provide additional adapters and equipment to meet these criteria if the hose itself can't be manufactured with flanged ends.
- 2.8 Each segment of the hose shall be suitable for connection with another segment of the hose and for connection to an ANSI B16.5 class 150 R.F flange.

3. DESIGN REQUIREMENTS

3.1 General

The fuel hose shall be suitable for transportation of crude oil and distillates.

3.2 Site Conditions

3.2.1 Eastern Mediterranean inland terminals,

3.2.2 Temperature: 5 – 55 °C

3.2.3 Humidity: up to 90%

3.3 Process Conditions

Fluid : Crude oil, distillates

Temperature : +2°C to 55°C

Special Conditions : The fuel hose shall have a minimum working pressure of 200psi

3.4 Standards of Compliance

3.4.1 Flanged end as per ANSI B16.5 class 150

3.5 Materials of Construction

3.5.1 The materials chosen shall be able to withstand the pressure, temperature and fluid stated in this specification.

4. TESTING

Test certificates shall be transmitted to purchaser in 3 copies.

Vendor shall furnish details of the extent of shop assembly and testing procedures he intends to follow.

5. ASSEMBLY OF COMPONENTS

All units shall be supplied completely assembled – ready for installation.

6. TAGGING

7.1 The equipment shall be tagged with number specified by purchaser containing at least the following data:

7.1.1 Name of manufacturer

7.1.2 Size, rating and max. operating temperature and max. operating pressure

7.1.3 Manufacturer serial number

7.1.4 Purchaser tag number

7. MECHANICAL GUARANTEE

Vendor will guarantee that the equipment furnished is free from faults in design, workmanship and materials.

Should any defect in design, materials, workmanship or operating characteristics develop during the first year of operation (but not over twenty four (24) months from the date of shipment), the Vendor will make all necessary or desirable alternations, repairs and replacements of said defective equipment, free of charge and shall also pay transportation involved of the above mentioned to and from the plant.

If the defect or functional failure cannot be corrected, the Vendor agrees to replace promptly, free of charge, the faulty equipment.

8. DOCUMENTATION

The following documents are to be transmitted in 3 copies in English:

With bid: General arrangement drawings of fuel hose with overall dimensions
Material Specification

With Order: Installation, Operating and Maintenance Instruction.

Eur1 certificate or US Certificate of Origin will be required.

9. BILL OF QUANTITIES

EAPC Pipeline – Fuel Hose					
Item	Type	Size/Class/ Ends	Qty	Unit Price	Total Price
1	Fuel hose 6"	6" 50m long, to be connected to flanges according to ANSI B16.5 class 150	5		
2	Hose cart	3pt hitch or fork connection	1		