TELESCOPIC END-PIPE

Serie 4010

Technical specifications

Liquid Transfer Srl

DOC: 4010_01_EN **REV:** 01-09/2017

MADE IN ITALY

The series 4010 Telescopic Drop-Pipe has a sliding pipe that allows to touch the bottom of the tank to be loaded. It can be adjustable by handle with a winch or can be spring loaded. Touching the bottom of the tank, the telescopic drop pipe reduces static electricity and limits the formation of foam .It can be used on road tankers and rail tank wagons. This device is also suggested when there are some vertical movement limitations because of a roof.

Technical features		
Nominal diameter/ Coupling	Flange 3” TTMA	Flange 4” TTMA
Fluid type	Hydrocarbons	
Terminal material	Aluminium alloy	
Cone covering material	NBR (Buna)	
Design pressure	10 bar	
Working pressure	3 - 5 bar	
Design temperature	-40°C / +65°C	
Nominal flow rate [flow speed: 4.5 m/s]	60 m^3/h 1000 l/min	120 m^3/h 2000 l/min

Standards and Regulations

- Conformity Declaration of current Directive **PED** for Pressure Equipment
- Conformity Declaration of current Directive **ATEX** for Equipment used in Potentially explosive atmospheres
- Customs Declaration of certification for Russia, Kazakhstan, Belarus, **EAC certification**.
- Standard **API-ASTM-ANSI-TTMA.**

Options	
Fluid type	Aggressive fluids
Drop pipe material	AISI316L
Tank hatch cone	Cone in AISI316L

Accessories:

- **Vibration level sensor** Ex-d II2GD
- **Vibration level sensor** Ex-ia II2GD
- **Vapour recovery hose** 2''
- **Vapour recovery hose** 3''

Telescopic drop-pipes	
WINCH TYPE The inner pipe is hooked to the winch with a steel cable. By actuating the winch the inner pipe moves up and down to final positon.	SPRING TYPE The inner pipe is hooked to a calibrated spring that in rest positon keeps it inside the external pipe. When flow starts the pressure pushes the inner pipe to touch the bottom of the tank and returns back when flow stops.

Standard documentation

- Declaration of conformity to regulations
- Declaration of material conformities and functional test (CCC)
- Operation and maintenance manual (MUM)

Documentation on request

- **Materials specifications map (MIM):**
  - Certification 3.1 EN 10204 for steel
  - Certification 2.2 EN 10204 for aluminium