FEMALE MANUAL COUPLER

Series 05134101

Technical specifications

DOC: 0513_01_EN **REV:** 01-09/2017

silea *Liquid Transfer Srl*

MADE IN ITALY

The Silea's API Female Manual Coupler Series 05134101 is designed to achieve a quick and dry coupling, between a Bottom Loading Arm or a hose and the Male Coupler on a tank truck.
*The Coupler respects the **API RP 1004** standards and can be used with all compliant couplers.*

Technical features		
Nominal diameter/ coupling	Flange 4" TTMA	
Fluid type	Hydrocarbons	
Design pressure	10 bar	
Working pressure	3-5 bar	
Test pressure	15 bar	
Max coupling pressure	6 bar	
Design temperature	-15°C / +65°C	
Nominal flow rate [flow speed: 4.5 m/s]	120 m^3/h	2000 l/min
Max flow rate	150 m^3/h	2500 l/min

The main parts of the coupler are made in aluminium alloy. Standard seals in fluoroelastomer FPM-NT (Viton®) are easy to maintain. The surfaces subject to wear are hard coated.

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:

Seals material	Main applications	Working Temperature	Codes
HNBR NBR hydrogenated	Bio fuels	-40/+65 °C	05134101-B
FVMQ Fluorosilicone	Low temperatures	-60/+65 °C	05134101-FS
FFKM perfluoroelastomer	Aggressive fluids	-13/+65 °C	05134101-K

Accessories:

- **Valve opening sensor** Ex-d II2GD
- **Valve opening sensor** Ex-ia II2GD
- **Park device**
- **Park device with sensor** Ex-d II2GD
- **Park device with sensor** Ex-ia II2GD

Maintenance kit codes

Seals material	Complete KIT	Gaskets KIT
FPM-NT (Viton®)	KM05134101V	KG0513V
FVMQ	KM05134101F	KG0513F
FFKM	KM05134101K	KG0513K
HNBR	KM05134101B	KG0513B

Standard documentation

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

Documentation on request

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