

FEMALE MANUAL COUPLER Series 05134101 Technical specifications

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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" TTM	
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 m³/	/h 2000 l/m	
Max flow rate	150 m³/	′h 2500 l/m	

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 perfluoroelasto mer	Aggressive fluids	-13/+65 °C	05134101-К		

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Access	nripc
ALLUSS	Jucs.

- 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

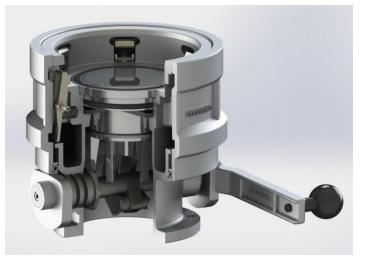
- Declaration of conformity to regulations
- Declaration of material conformities and functional test (CCC)

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







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