



Liquid Transfer Srl

# LOADING VALVE

## Series 0560

### Technical specifications

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The Silea Loading Valve series 0560 is designed to start/stop the flow on a Top Loading Arms. It is equipped with a pressure breach to facilitate the opening and it has a closing speed setting device, adjustable according to the working pressure and product viscosity to avoid pressure shock in the piping.

The standard model is equipped with in a stay open cam and it needs manual closing of the valve at the end of the delivery.

#### Technical features

Nominal diameter/ coupling	Flange 3" TTMA	Flange 4" TTMA	Flange 6" TTMA
Fluid type	Hydrocarbons		
Design pressure	10 Bar		
Working pressure	7 Bar		
Test pressure	15 Bar		
Max viscosity	600 Cts at 40°C		
Design temperature	-15°C / +65°C		
Nominal flow rate [fluid speed: 4.5 m/s]	75 m <sup>3</sup> /h 1250 l/min	150 m <sup>3</sup> /h 2500 l/min	280 m <sup>3</sup> /h 4500 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**.

### Seals material

Seals material	Main applications	Working temperature
HNBR NBR hydrogenated	Bio fuels	-40/+65 °C
PTFE Teflon	Aggressive fluids	-60/+65 °C

### Accessories:

- Valve opening sensor Ex-d II2GD
- Valve opening sensor Ex-ia II2GD
- Vacuum breaker valve

### Options

- "Hold open" version with lever release closing
- Valve with chrome-plated internal parts for aviation fuels



### 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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