# *LOADING VALVE*
## *Series 0560*
## Technical specifications

Liquid Transfer Srl

**DOC:** 0560_01_EN **REV:** 01-09/2017

MADE IN ITALY

*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 m³/h 1250 l/min | 150 m³/h 2500 l/min | 280 m³/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*

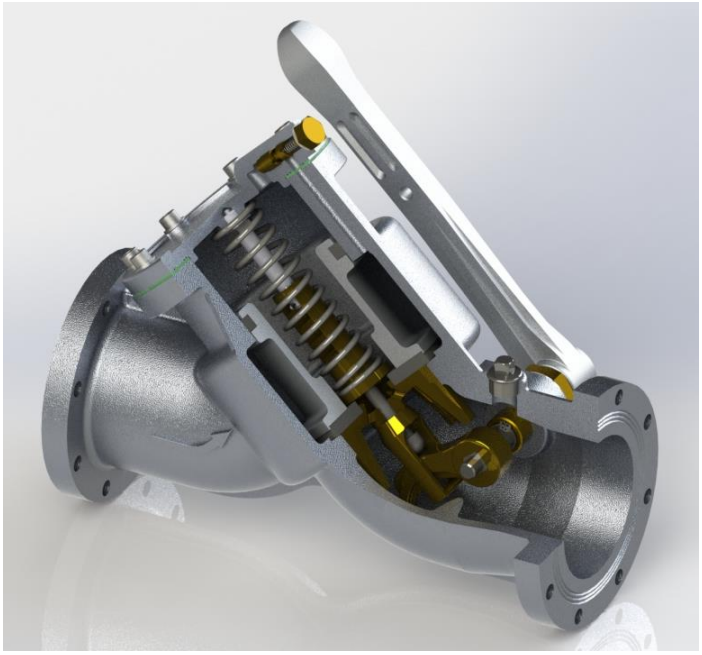
| Seals material | Main applications | Working temperature |
|---|---|---|
| HNBR NBR hydrogenated | Bio fuels | -40/+65 °C |
| PTFE Teflon | Aggressive fluids | -60/+65 °C |

## *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