



The Silea Liquid Transfer series N879 swivel allows the rotation of metal pipes used in fluid transfer under pressure. It's designed to withstand high pressures and loads with low pressure loss. The swivel is made with a male and a female part with two ball races between them the permits the rotation of the two components. The seal under pressure is guaranteed by a primary seal between the male and the female and by two secondary gaskets..

Technical features

| | 1 ½" | 2" | 3" | 4" | 6" |
|--------------------|--|----|----|----|----|
| Nominal diameter | 1 ½" | 2" | 3" | 4" | 6" |
| Design pressure | 10 ÷ 40 bar | | | | |
| Test pressure | 15 ÷ 60 bar | | | | |
| Design temperature | -25°C / +65°C ÷ -60°C /+220°C | | | | |
| Swivel material | Caron Steel - Stainless steel | | | | |
| Seals material | Fluoroelastomer FPM-NBR (Viton®) PTFE | | | | |



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**.

Standard documentation

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

Options

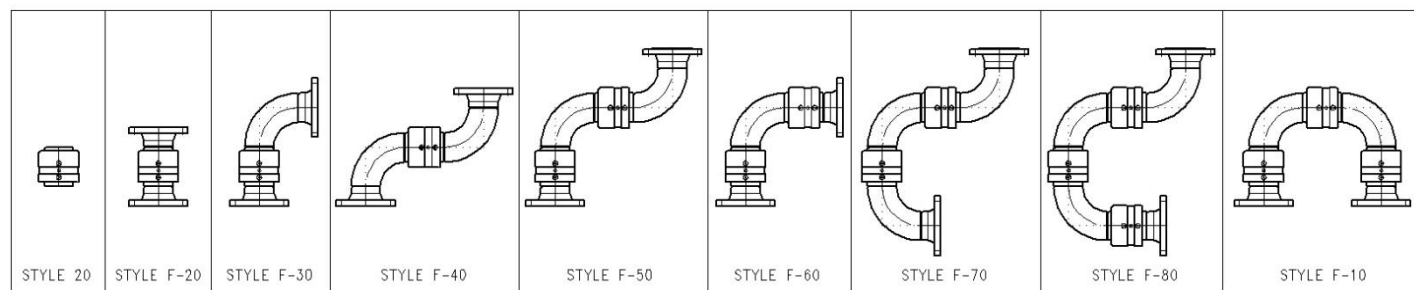
| Seals material | Main applications | Working temp. |
|--|-------------------|---------------|
| High strength steel+HNBR NBR hydrogenated | Bio fuels | -29/+65 °C |
| High strength steel+NBR NBR | LPG | -29/+65 °C |
| High strength steel+PTFE Teflon | Chemical liquids | -29/+65 °C |
| High-strength low-alloy steel+PTFE Teflon | Low temperatures | -45/+65 °C |
| Aisi304L/316L+PTFE Teflon | Aggressive fluids | -60/+220 °C |
| Aisi304L/316L+PTFE White White Teflon | Liquid foods | -20/+200 °C |

Other configurations available upon request.

Terminals

- Thread BSP (male or female)
- Thread NPT (male or female)
- ANSI Flanges
- PN Flanges
- TTMA Flanges
- Short and long radius curves

Configuration examples



Documentation on request

- **Welding book (WB):**
 - Welding map (WM)
 - Welding qualification (PQR)
 - Welding specifications (WPS)
 - Welder qualification (WQ)
 - Penetrant liquids test
 - Radiographs of welding heads
- **Materials specifications map (MIM):**
 - Certification 3.1 EN 10204 for steel
 - Certification 2.2 EN 10204 for aluminium
- **Quality complete plan (QCP):**
 - Welding dossier (WB)
 - Materials identification map

