

## LA130V Series LONG RANGE, VAPOR RECOVERY

Top Loading Arms are articulated, self-supported pipelines used to transfer fluids from stocking depots to road or railway tankers through the manhole on the top of the tank. Long range type allows the maximum loading coverage, while vapor recovery system enables vapor return via a dedicated line to the platform.



### Components description (standard version)

- Right-hand layout, bottom inlet, ANSI 150 inlet flange
- Swivel style F-20 in 42CrMo4 carbon steel + FKM seals
- Boom pipe in carbon steel
- Pillow block to reduce the twisting moment on the inlet flange
- Double swivel style F-50 in 42CrMo4 carbon steel + FKM seals
- Compression spring balancing unit
- Loading valve in aluminum alloy, stay-open type
- Loading valve remote control lever
- Main pipe in aluminum alloy
- Drop pipe swivel style F-40 in aluminum alloy + FKM seals
- Drop pipe in aluminum alloy with sealing cone coated with Hypalon rubber
- Overfill vibrating level sensor with rigid protection
- Drip bucket in aluminum alloy

### Standards and regulations

- 94/9/EC ATEX) Directive
- 2006/42/EC Directive (Machinery)
- 97/23/EC Directive (PED)
- API - ASTM - ANSI - TTMA standards

### Technical specifications

- Design temperature:  
-15 / +65°C
- Design pressure: 10 bar
- Test pressure: 15 bar
- Max flow rate:
  - 2" ▶ 830 l/min
  - 3" ▶ 1900 l/min
  - 4" ▶ 2400 l/min
  - 6" ▶ 3500 l/min

As per CLC/TR 50404  
recommendation

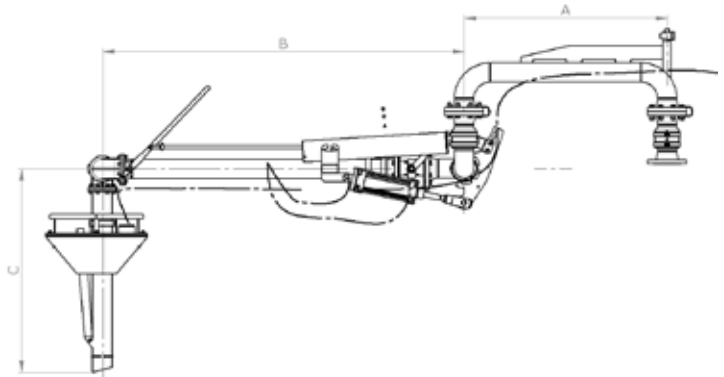


## Accessories

- Check valve
- Vacuum breaker valve
- Sight glass
- Loading valve switch
- Vertical position switch
- Parking position switch
- Mechanical lock in working position
- Mechanical lock in parking position
- Overfill sensor with handle
- Pump start/stop button
- Up/Down/Stop/Hold-down pneumatic actuation
- Valve pneumatic actuation
- Standpost
- Hold-down switch
- "High-flow" drop pipe as per C/L TR 50404 Standard (prevention of electrostatic discharge)

## Options

- Different pipes length
- Diameters: from 2" to 6"
- Other materials: CS (42CrM o4 ) - KCS - SS
- Other seals: HNBR - FFKM - PTFE
- Base flange: PN16 or other standards
- Layout: Left-hand
- Inlet: Top vertical
- Hold-open loading valve
- Telescopic main pipe
- Telescopic drop pipe
- Drop tube with "T" or flow deflector
- Split type swivels
- Special configurations for extended temperature (-60/+200 °C)
- Fluid heating systems
- Custom color coding



### Dimensions in mm.

- A = 1000 - 2500 mm (std 1200)  
B = 1000 - 3000 mm (std 2100)  
C = 1000 - 2500 mm (std 1200)

## Standard documentation

- Declaration of conformity to applicable directives
- Final Test report
- Owner manual including BOM and spare part list



## Documentation on request

- a) Welding book (WB) including:
  - Welding Map (WM)
  - Welding qualifications (PQR)
  - Welding Procedures (WPS)
  - Welder Qualification (WQ)
  - Dye penetrant test on socket welds
  - X-ray on butt welds
- b) Material Identification Map (MIM) including:
  - 3.1 EN 10204 Certifications for steel
  - 2.2 EN 10204 Certifications for aluminum and rubber materials
- c) Complete Quality Control Plan (QCP) including:
  - Welding book (WB)
  - Material Identification Map (MIM)
  - Manufacturing Plan