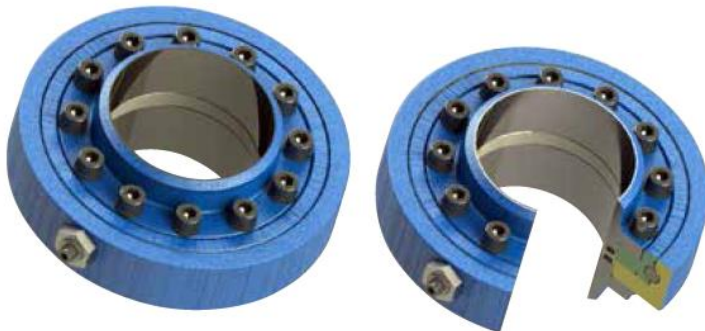


BOTTOM LOADING ARM/STATION COH300/400

COH300/400 series is designed to transfer LPG and other fluids under pressure from stocking depots to road or railway tankers and vice versa. It can be installed as single arm for liquid phase (COH300), or as loading/unloading station with both liquid and vapor phases (COH400). Different solutions are available, from the classic bottom design, to the top rail-tank loading/unloading system (Russian type).



Components description (standard version)

- Right-hand layout, bottom inlet, ANSI 300 inlet flange
- Swivel style 30 in 42CrMo4 carbon steel + NBR seals
- Boom arm in carbon steel
- Double swivel style 50 in 42CrMo4 carbon steel + NBR seals
- Compression spring balancing unit
- Main arm in carbon steel
- Emergency breakaway valve VA400 in AISI316 + NBR seals
- Double swivel style 50, in 42CrMo4 carbon steel + NBR seals
- Ball valve, carbon steel body, AISI304 ball, PTFE seals
- 1/2" ball valve for draining, AISI316 + PTFE seals
- Gas spring balancing unit on terminal section
- Tanker connection depending on customer needs

Standards and regulations

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

SJ410 swivels technical features

- Single or double ball races
- Hardened and rectified races
- Double seal
- Leakage detection port
- Easy maintenance. You can replace the product seal without removing the balls.

Technical specifications

- **Design temperature:** -25/+65 °C
- **Design pressure:** 40 bar
- **Test pressure:** 60 bar
- **Flow rate @ 6 m/s:**
 - 2" ▶ 45 m³/h
 - 3" ▶ 80 m³/h

BOTTOM LOADING ARM/STATION COH300/400

Options

- Different pipes length
- Diameters: From 1½" to 3"
- Other materials: KCS - SS
- Other seals: HNBR - FKM - FFKM - PTFE
- Base flange: PN40 or other standards
- Layout: Left-hand
- Inlet: Top vertical, lateral
- Split type swivels
- Special configurations for extended temperature (-60/+200 °C)
- Custom colour coding
- Tanker connections:
 - Hammer Union fig. 602 or 206
 - NPT thread male or female
 - Lap joint flange
 - Dry gas coupler (Stanag)

Dimensions [mm]

Boom arm: 1200-1800 mm (std 1500)

Main arm: 1500-2000 mm (std 1800)

Accessories

- Position switch for working or parking position
- Shock absorber for emergency release valve cable
- Draining pipe ½"
- Standpost



Standard documentation

- Declaration of conformity to applicable directives
- Final test report
- Owner manual including BOM and spare parts

Documentation on request

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

Material Identification Map (MIM) including:

- 3.1 EN 10204 Certifications for steel

Complete Quality Control Plan (QCP) including:

- Welding Book (WB)
- Material Identification Map (MIM)
- Manufacturing Plan