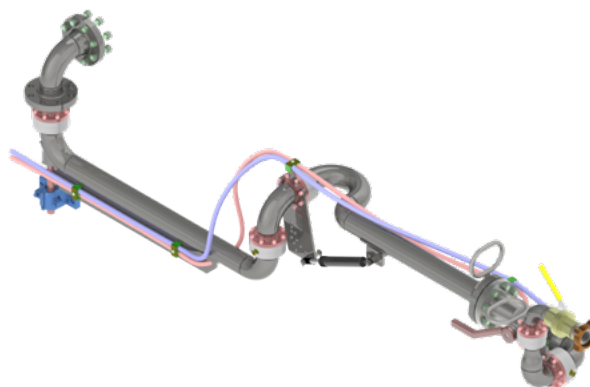


LPG/ANHYDROUS AMMONIA (NH₃) LOADING ARM

Liquip offers a custom designed low profile loading arm for LPG (Liquified petroleum gas) product, LPG vapour and Anhydrous Ammonia.

Liquip's highly advanced 3" Liquified Gas loading arms are designed to provide efficient connection and optimised loading rates with an emphasis on operator safety and reducing environmental impact.

Liquip's LPG vapour arms have been designed for use with our 3" liquified gas arms and are typically designed in 2" diameter to balance product and vapour flow.



LPG/Anhydrous Ammonia (NH₃) Loading Arm

Features and Benefits

- High pressure swivels for typical liquified gas loading pressures.
- Stainless steel construction ensures longevity and suitability at low temperatures.
- Design enables loading up to 120m³/hr.
- Reduces trip hazards by eliminating the need for heavy and difficult to handle hose on the ground.
- Compact and safe storage design provides clearance for vehicles and is ideal for where there is limited space.
- Scissor back design means compact storage and no wasted space.
- Incorporates purge lines / remote draining valve to empty final pipe section of liquid before disconnection which increases operator safety during loading and maintenance.
- Can be used in sites without a gantry structure in place.
- Swivel design accommodates changes in elevation or tilting.
- Optional interlock provisions to ensure the arm is stowed correctly.
- Uses Liquip's unique gas strut "Velvet Touch" technology

Technical Information - LPG/NH₃ Loading Arm

| LPG/NH ₃ Loading Arm | | | |
|---------------------------------|---|------------------------|---|
| Materials | All pipework & flanges are ASTM Standard for high-pressure use. Heavy Duty Stainless Steel Swivels. Gaskets spiral wound metal. | Typical Reach | Customisable. |
| Design Pressure | 2,400 kPa (LPG). | Mounting | Inlet flange: ASME Class 300 raised face. Optional - Freestanding mounting pillar available rated to arm design. - Parking Stand with proximity sensor available. |
| Test Pressure | 3,600 kPa (LPG). | | |
| Temperature Limits | -42°C to +60°C (-44°F to +140°F) (LPG). | End connections | ACME or Dry Break outlet coupling. |
| Range of motion | Horizontal 180°, Vertical +15° to -15°. | Counter balance type | Single or Dual gas struts. |
| Standards | Design code AS 4041 Class 2A, Designed to satisfy LPG handling requirements of AS/NZS 1596. | Primary seal materials | PTFE seals supplied as standard (Others on request). Spiral wound gaskets. |
| Typical Product | Designed for LPG, Anhydrous Ammonia & other gases. | Drive-away protection | Double acting stainless steel emergency release safety breakaway coupling to protect product against spillage during an accidental drive-away of a tanker with the arm still attached is recommend. |
| Weight | Approx. 150kg (3" product arm). | | |

Ordering Information

Loading arm survey forms are available for users to fill out. Survey forms detail all technical requirements for your loading arm needs. These forms can be downloaded once you login to the Liquip website.

Alternatively, you can contact Liquip to receive a loading arm survey form and discuss any specific requirements you may have.

TYPICAL LIQUIFIED GAS LOADING ARM COMPONENTS

