



The TLA-202 Long Reach Top Loading Arm is typically used for loading points that have to reach a large area on the top of the tanker. It is commonly fitted where there is no additional support needed. It can be used for Chemicals, petroleum, foods, heated liquids and a multitude of other products.

Features and Benefits

- Reduce the risk of spills or accidents while loading and unloading bulk liquid road and rail tanks
- Spring balancing makes it easy to handle and maneuver by a single operator
- Horizontal swivel joints allow the arms to extend out to their full range and fold away into a small parking envelope.
- Vertical swivel joints allow the arms to move up and down within a set range.
- Variable reach supported and unsupported boom arms are available to suit all tanker loading applications.
- Arms designed to suit specific liquids, with wetted materials including aluminium, carbon steel, stainless steel and PTFE lined versions.
- Heated arms are available with thermal insulation and trace heating to maintain product at a constant temperature

Uses Include

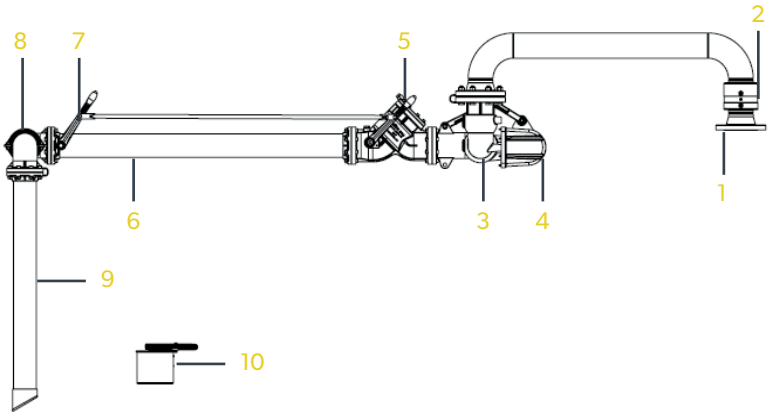
- Transfer of all types of liquid including chemicals, solvents, acids, fuels, bitumen, HFO, and other heated products, alcohols, sprits, highly flammable and highly corrosive liquids, inorganics, etc.
- Particularly suitable for liquids that are deemed hazardous to health and/or the environment.
- Ideal for the loading of liquids that require very high or very low temperatures.

Safety by Design

Specifications

Technical Features					
Nominal diameter		2"	3"	4"	6"
Fluid Type		Hydrocarbons			
Nominal Flow Rate	m³/h	30	70	120	280
	l/min	500	1200	2000	4700
Max Flow Rate	m³/h	38	82	150	310
	l/min	650	1400	2500	5200
Design Temperature		-15°C / +65°C			
Weight (kg)		100	120	150	320
Design Pressure		10 bar			
Test Pressure		15 bar			

- 1 Right-hand layout, bottom inlet, ANSI 150 connecting flange
- 2 Two part carbon steel high resistance twin raceway swivel joints
- 3 Double swing base intermediate swivel
- 4 Torsion Spring Balancing
- 5 Loading valve options
- 6 Secondary Pipe, usually aluminium with TTMA flanged
- 7 Remote control handle for loading valve
- 8 Drop Pipe Swivel joint
- 9 Drop Pipe, usually in aluminium with tapered end
- 10 Separate drip-pan with spring clamp handle



Options & Accessories

Options

- Arm materials: liquid line made of carbon steel, stainless steel AISI 304 or AISI 316 with seals in HNBR, FFKM or PTFE. PTFE lined arms also available
- Configurations include left handed and upward and side inlet flange with PN16 base swivel
- Compressed spring piston balancing
- Split Type swivels: 3-pieces to facilitate maintenance.
- Loading valve with automatic vacuum breaker
- Electric trace or steam jacketed heating with thermal insulation and stainless-steel cladding
- Special configurations for extreme temperatures (-60/+200 °C)

Accessories

- Check valve and Vacuum breaker
- Liquid level sensor for overfill protection and Positional Micro switches to show various arm operations including parked, valve open, arm in position
- Mechanical arm lock while loading and parking lock
- Pneumatic power assisted control including up/down and press-down features to maintain vapour seal on tanker.



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Safety by Design

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