

FlowLoad

Medium Duty Long Reach Top Loading Arm

ifcinflow
Liquid Transfer



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

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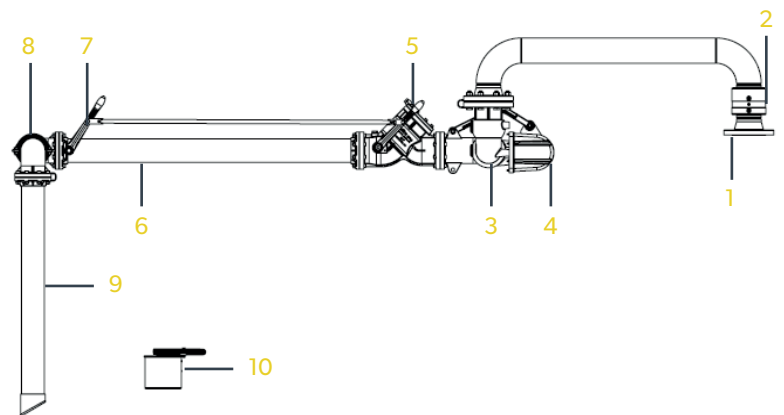
Unit 3 Ryder Way
Basildon
Essex SS13 1QH

ifcinflow.com
+44 (0) 1268 596 900
sales@ifcinflow.com

Specifications

Technical Features					
Nominal diameter		2"	3"	4"	6"
Fluid Type		Hydrocarbons			
Nominal Flow Rate	m ³ /h	30	70	120	280
	l/min	500	1200	2000	4700
Max Flow Rate	m ³ /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 overflow 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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