

FlowLoad

Variable Reach Top Loading Arm



The TLA-101 Variable Reach Top Loading Arm has a wide working range to reach more points on the tanker top. It is commonly fitted where several arms are fitted in close proximity. It helps reduce the risks of spills and accidents while top loading road and rail tankers.

Features and Benefits

- Torsion spring balancing makes it easy to operate.
- Heavy duty double base swivel allows for horizontal and vertical movement
- Easy operating adjustable loading valve ensure accurate control of loading process
- Remote operating valve handle allows the valve be controlled from the top of the tank
- Dual intermediate swivels ensure drop pipe stays in the vertical position.
- Standard version made of aluminium for lightweight design and easy operation.
- Arms designed to suit specific liquids, with wetted materials including aluminium, carbon steel, stainless steel versions.

Uses Include

- Mainly used for loading of multiple petroleum products, can also be used to transfer of all types of liquid including chemicals, solvents, acids, fuels, alcohols, spirits and highly flammable liquids.
- Particularly suitable for liquids that are deemed hazardous to health and/or the environment.

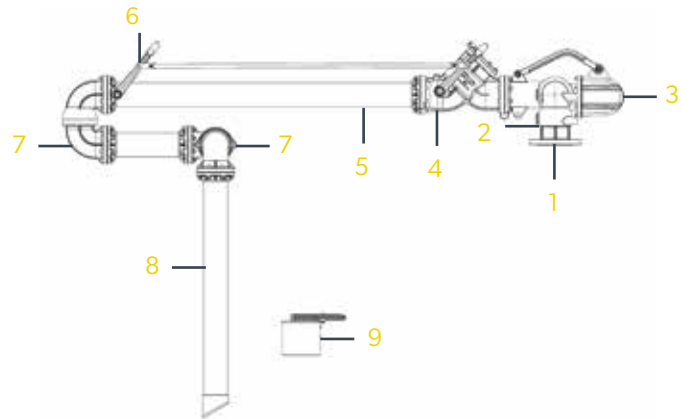
Safety by Design

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)		65	73	88	153
Design Pressure		10 bar			
Test Pressure		15 bar			

Standard Model Shown

- 1 Right-hand layout with ANSI 150 inlet flange
- 2 Double swing base swivel
- 3 Torsion Spring Balancing unit
- 4 Loading Valve
- 5 Main Pipe
- 6 Valve remote control lever
- 7 Drop Pipe Swivel
- 8 Drop Pipe
- 9 Drip can



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
- 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 "hold open" operation which closes automatically when the lever is released.
- Chrome plated loading valve inside for jet fuels.
- "T" deflector end-pipe in aluminium alloy
- Special configurations for extreme temperatures (-60/+200 °C)
- Heating system

Accessories

- Check valve
- Vacuum breaker valve
- Flow indicator
- Micro switch loading valve position indicator
- Micro switch to indicate vertical position
- Micro switch to indicate rest position
- Mechanical lock "Hold Down" in working position
- Mechanical Park lock in rest position
- Overfill sensor with handle
- Pump start/stop button
- Valve pneumatic actuation
- Stand-post

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