

Flow

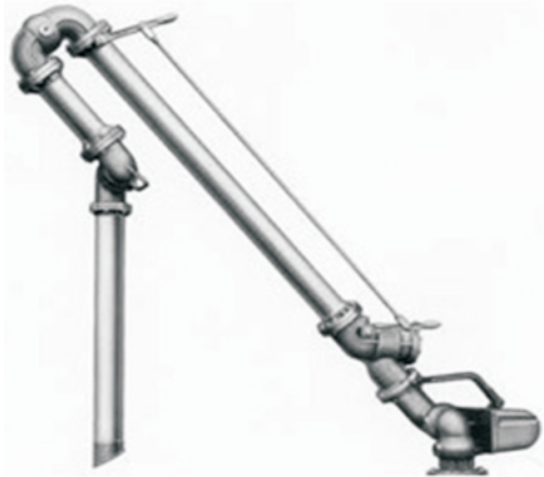
Loading Systems



OVERVIEW

Vermont loading arms offer the complete line of equipment to meet the demands of today's loading and unloading requirements. For transferring petroleum products, liquefied gases, solvents or hazardous, corrosive chemicals to or from tank trucks and railcars.

Each Vermont system is designed with operational ease and environmental safety as the top priorities, followed by maximum efficiency.



TECHNICAL FEATURES

Nominal Diameter	:	2" to 6"
Fluid Type	:	Liquid, LPG, Gases
Flowrate	:	650 LPM to 5000 LPM
Design Configuration	:	Pantograph, Cantilever
Construction	:	Carbon Steel, Aluminium, SS316/ 304/ 316L
Elastomers	:	Nitrile, Viton, PTFE
Accessories	:	Ball/ Drain Valve Vacuum Breaker VRC, QRC Bellows Assembly Overfill Protection Position Sensors Stand Post etc

HIGHLIGHTS

Vermont loading systems are available in many configurations and sizes. Efficient design provides maximum safety, efficiency and operational benefits including:

- ◆ Ease of operation
- ◆ Adequate horizontal and vertical range
- ◆ Adequate capacity without excessive pressure drops
- ◆ Ease of maintenance
- ◆ Materials adequate for the service metals, seals and gaskets that are chemically compatible with the products being handled, as well as transfer temperatures and prevailing climatic conditions.
- ◆ Use of reliable swivel joints for better manoeuvre
- ◆ Wide range of material of construction from aluminium, carbon steel or stainless steel
- ◆ Standard sizes from starting from 2" to 6" with further sizes available upon request
- ◆ Balancing with spring box, counterweight



BOTTOM LOADING ARMS (BLA)

Loading through a connection provided at the bottom. This helps facilitate long for the long reach and flexible positioning of a vessel and connection through API/ suitable devices to maintain the safest standards.



TOP LOADING ARMS (TLA)

Loading through a manhole on top of the vessel. Top loading arms (TLA) available in fixed reach, variable reach or long reach design. This could be offered to suit aerial application regiment. Top loading arms are available in a variety of accessories to provide efficient handling, protect the environment and maintain the highest safety standards.



A few notable bottom loading benefits:

- ◆ Enhanced personnel safety as the operator stays on the ground
- ◆ Creates less turbulence in the vessel
- ◆ Lower generation of static charges during filling
- ◆ Vapour reduction
- ◆ Improved operational efficiency during loading
- ◆ Cost saved on gantry erection and construction

Vermont bottom loading skids are simpler and cheaper to build. Vermont can offer a complete skid solution with all supporting accessories.

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