

PANTOGRAPH LOADING ARM

Pantograph top loading arms are a very commonly used style of top load arm all around the world.

Liquip specialise in offering balanced pantograph arms for superior strength and stability. Pantograph arms are a simple and affordable design for medium duty applications.



Pantograph Loading Arm

Features and Benefits

- Long reach loading arms for ease of loading.
- Unique design allows for high flow rates to be achieved.
- Easily access a single sided loading bay.
- Vacuum breakers are available to assist drainage of the loading arm.
- Uses Liquip's unique gas strut "Velvet Touch" technology.
- Loading arms are available in 3" and 4" sizes.

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.

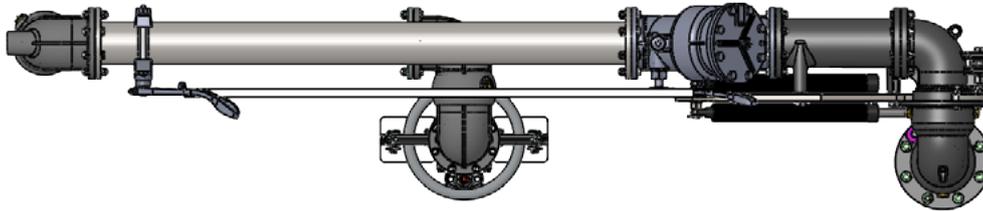
Associated Equipment

Riser Pipes	As Required	Drop Hose Covers	3576, 3577, 4683,4748
Balance Assembly	LBM800	Straight Swivels	VNS-A4, VNS-A4AVI
Gas Struts	4416 or 3008	Coupler Swivels	VNC-A4VG, VNC-A4AVI, VNC-A4DVG, VNC-A4T,
Horizontal Spool	LIQL219A Series	Spacer Spools	VSA4, VSS4
Intermediate Swivels	VNI-A4VG, VNI-A4AVI	Butterfly Valves	LBV450VGx
Drop Spools	LIQL229A Series or As Required.	Sightglasses	API-SG-150, BF4-SG-xxx
Drop Hoses	5639P	API/LYNX Series Coupler	LYNX85xxx, LYNX86xxx

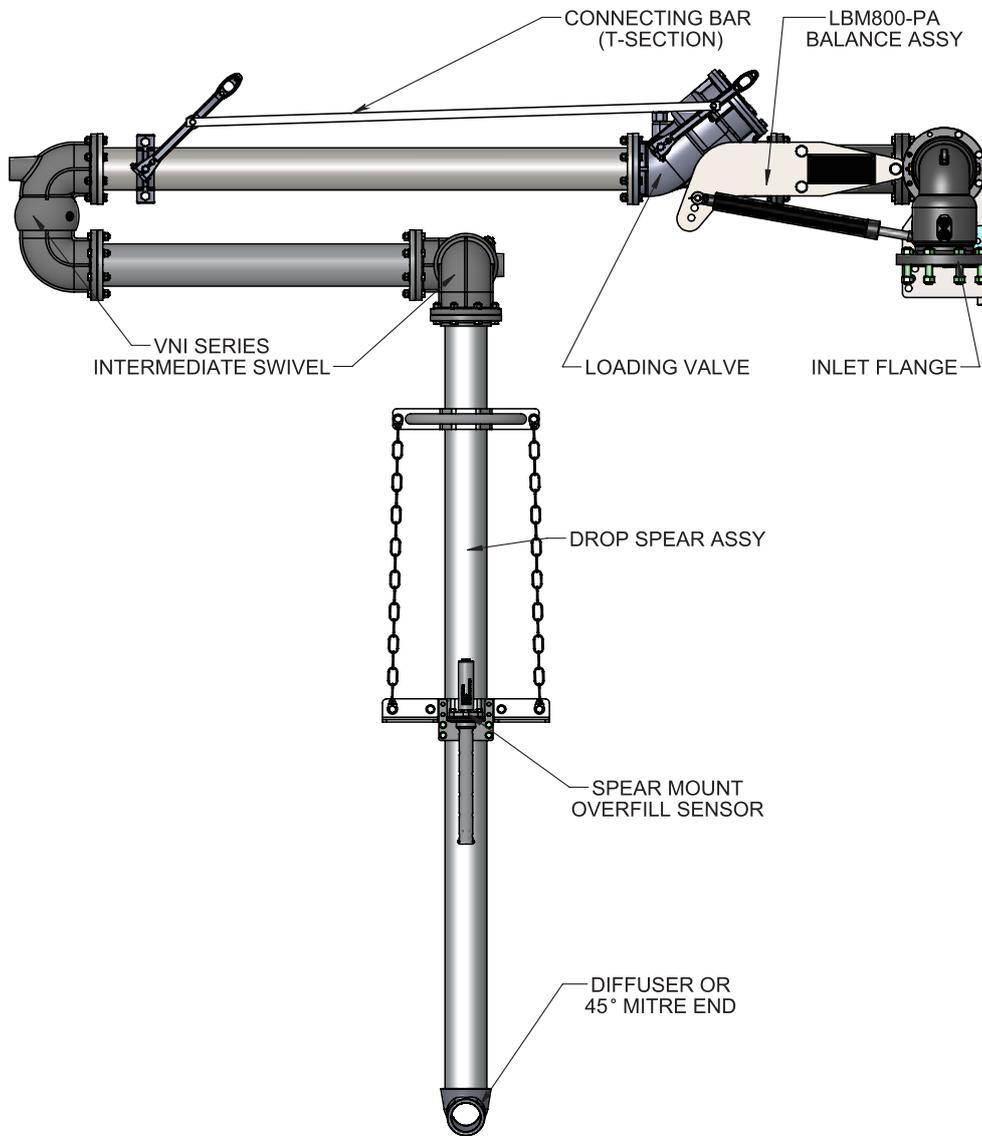
Technical Information - General Overhead Loading Arm

Overhead Loading Arm			
Materials	Mild steel / Aluminium / Stainless Steel	End connections	Balance Mechanism Inlet - 4" (DN100) 150 lb ANSI RF flange. Outlet Coupling - API Coupler
Design Pressure	1,000 kPa.	Counter balance type	Single or Dual gas struts.
Test Pressure	1,500 kPa.	Maximum coupling pressure	517 kPa working.
Temperature limits	-28°C to +90°C (-18°F to +200°F) - GFLT seals.	Primary seal materials	Viton™ Teflon™ and FFKM (Others on request).
Range of motion	Horizontal 360°, Vertical +15° to -15°.	Dust seal material	Buna Nitrile or HAN. (Others on request).
Typical Horizontal Spacing	600mm	Gasket material	Klingerite or Viton™ A. (Others on request).
Typical Vertical Spacing	450mm	Standard Configuration	1.8m or 2m reach. See technical specifications.
Typical Reach	Up to 2000mm	Typical no. of arms per bay	6

PANTOGRAPH LOADING ARM TECHNICAL SPECIFICATIONS



TOP VIEW



SIDE VIEW