



The BLA-803 duplex or double bottom loading /unloading station reduces the risk of spills or accidents while loading and unloading bulk liquid road and rail tanks. These highly engineered arms are designed for applications where a liquid and vapour line are required for bottom loading or unloading operations. These arms can be used for cryogenic products as well as a range of hazardous and specialist liquids.

### Features and Benefits

- 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.
- Spring balancing makes it easy to handle and maneuver by a single operator
- Arms designed to suit specific liquids, with wetted materials including aluminium, carbon steel, stainless steel and PTFE lined versions. Ideal for LPG, Industrial Gases, and Pressurised Liquids.
- Independent arms allow maximum flexibility for tanker connections.
- Heated arms are available with thermal insulation and trace heating to maintain product at a constant temperature.

### Uses Include

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

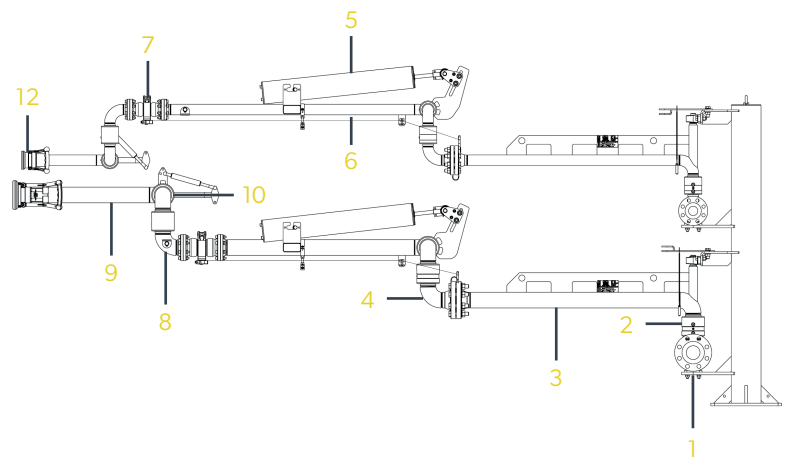
### Safety by Design

## Specifications

Technical Features				
Nominal diameter		1½"	2"	3"
Fluid Type		LPG / Hydrocarbons / Chemicals		
Nominal Flow Rate	m³/h	18	50	80
	l/min	300	840	1380
Design Temperature		-25°C / +65°C		
Weight (kg)		100	120	140
Design Pressure		25 bar		
Test Pressure		40 bar		
Working Pressure		10 bar		

## Standard Model Shown

- 1 Right-hand layout, side inlet with connecting flange ANSI 300
- 2 High performance base swivel provides horizontal movement
- 3 Supported boom pipe
- 4 Double swivel joint provides vertical and horizontal movement
- 5 Balancing system with compressed spring piston
- 6 Secondary Pipe
- 7 Emergency Dry Break Coupler (DN50-DN80): PN40 in AISI316
- 8 End double swivel joints for tank connection
- 9 Manual ball valve in high strength steel
- 10 ½" Drain ball valve
- 11 Gas strut end coupler balance system
- 12 Terminal connection



## Options & Accessories

### Options

- Arm material: low temperature carbon steel, stainless steel AISI304 or AISI316 with supply ball valve
- Seals in HNBR, FKM, FFKM, EPDM, PTFE
- Left-hand version
- Connecting flange PN40 or other standards
- Test at 60 bar for nominal pressure of 40 bar (PN40)
- Split Type swivel joint: in 3 pieces for easy maintenance
- Special configurations for extreme temperatures.

### Accessories

- Ball valve position Micro-switch
- Arm position Micro-switch (load or park)
- ½" drainage pipe
- Shock absorber for ERC, to stress gradually the cable and avoid accidental breaking
- Stand-post



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**Safety by Design**

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