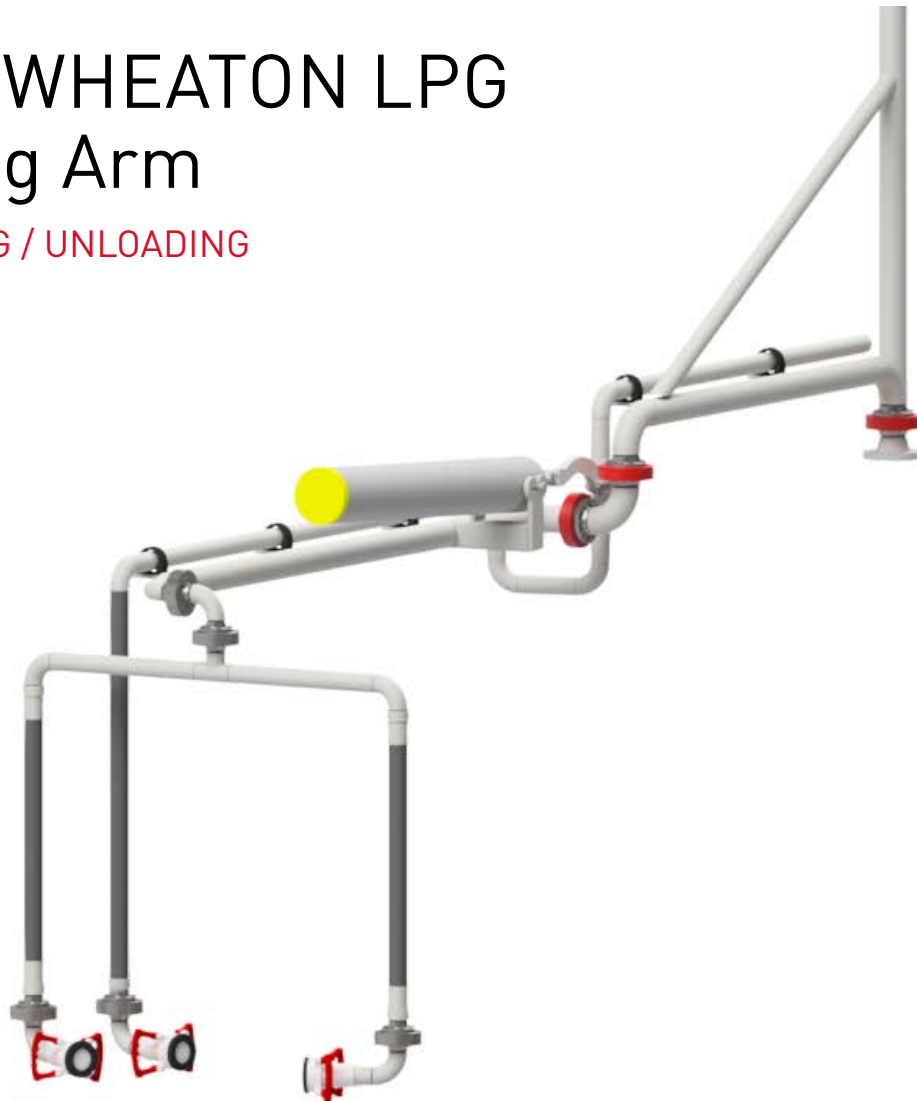


# EMCO WHEATON LPG Loading Arm

FOR LOADING / UNLOADING



The Emco Wheaton LPG transfer system offers a successful and economic solution of loading/unloading LPG into Rail cars. In contrast to hoses, this transfer system provides safety from explosion, driveway obstructions and condensate losses at site – all of which improve operator safety and profit margins. Common hazards associated with loading and unloading LPG railcars such as operator cold burns, collapsing railcars and product loss are reduced to virtually zero.

Specifically designed for the loading/ unloading of railcars, quick and safe connection to the vessel by couplers and comfortable smooth handling improve loading time.

Traditionally 3 loading arms were required to make three separate connections to the rail car. The Emco Wheaton LPG transfer system design incorporates 2 LPG loading connections and 1 Vapor return hose line having the ability to reach each connection point at once with ease. All 3 lines are carried within 1 loading arm.

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# EMCO WHEATON LPG Loading Arm

**EMCO**  
**WHEATON**  
by Gardner Denver

## FOR LOADING / UNLOADING

The Emco Wheaton Transfer System Loading arm is designed for safe and efficient LPG transfer. Proven TODO Dry-Break™ technology has been integrated into this loading arm. The TODO Break-away coupling designed to eliminate spillage and damage associated with drive away incidents and the TODO-GAS™ Coupler specifically designed for the safer transfer of LPG in both liquid and vapor phases. The materials of construction and components designed are specified to recognize the unique properties of LPG handling characteristics.

Features and Benefits of the LPG transfer system loading arm include:

- Economic solution – 1 transfer system incorporates 2 transfer connections & 1 vapor return line
- Easy handling- LPG connections are all within close proximity
- Low maintenance- Aftermarket kits available to ensure unplanned downtime is minimized
- Environmentally friendly - A reduction of fugitive emissions through TODO industry leading Dry-Break™ technology
- High performance D2000 swivel joints provided at each plane of rotation

### TODO-GAS COUPLINGS



The TODO-GAS™ couplings are designed primarily for loading/ unloading of railcars, bobtails and intermediate bulk delivery trucks. A release upon disconnection volume of only 0.35 cc and with one or two handle options and an integral swivel, TODO-GAS™ 2" couplings can cope with almost any loading equipment.

### TODO BREAKAWAY COUPLINGS



The TODO NGX Break-Away Coupling has been designed to eliminate spillage and damage associated with drive and/or pull away incidents. The coupler identifies an excessive load, closes the valves and then allows for disconnection.

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# EMCO WHEATON LPG Loading Arm



FOR LOADING / UNLOADING

## MATERIALS AND STANDARD EQUIPMENT:

- Base swivel assembly features the industry proven D2000 series swivel joints with hardened ball bearing raceways, H-Block sealing system and isolating raceways from liquid contact.
- 2 Inch Stainless Steel TODO GAS™ Coupler.
- 2 Inch Stainless Steel TODO NGX Break-away.
- Additional accessories available upon request.

MATERIALS AND TECHNICAL DATA	
Materials of product carrying parts	Carbon steel seamless piping
Seal Materials	Viton
Size:	4" x 3" x 2" 3" pipe diameter is maintained through the apex swivel to minimize pressure loss
Connection Size	2In.

## SPECIFICATIONS

- Emco Wheaton standard paint system DuPont Corlar 2.1 standard gray.
- Standard welding per ASME B31.3 specification and per Emco Wheaton welding specification ES-8
- Air testing 5-80 psi. Additional testing and documentation available upon request.
- Additional testing and documentation available upon request.

DESIGN AND TECHNICAL DATA	
	Design Pressure
Loading Arm	580 PSI
TODO Breakaway	580 PSI
TODO-Gas Coupling	362 PSI

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