

PNEUMATIC EMERGENCY VALVES

Safe, reliable flow control solutions for tank truck loading and unloading applications

EMCO Wheaton's range of 4" pneumatic emergency valves is designed to provide reliable, safe operational, high flow performance for fuel transportation.

Available in multiple body configurations, the range offers flexibility for different tank designs while maintaining consistent reliability and ease of maintenance.

Key Benefits

Enhanced Safety with external shear groove design to help limit product spillage in accident scenarios
High Flow Performance through hydrodynamic body designs that minimize pressure drop
Reliable Operation with pneumatic actuation and positive open/closed indication
Reduced Maintenance Time thanks to service-friendly designs and replaceable seal assemblies
Long Service Life using high-quality aluminum construction and durable internal components
Fuel Compatibility with Viton® seals suitable for high-octane fuels and additives
Lower Operating Costs through common parts across multiple valve models
Flexible Installation Options with multiple body styles to suit different tank and pipework layouts

Applications

Designed for tank trucks transporting:

- Petroleum products
- Fuels and fuel additives
- Other liquid bulk products



F7023 Compact Pneumatic Emergency Valve

- Compact body design
- Low pressure drop performance
- Lightweight aluminum construction
- Manual emergency opening feature

Ideal for tank truck installations where maximum flow required.



F7023-621 Compact Pressure Balanced Emergency Valve

- 90° elbow body configuration
- High flow efficiency
- Pressure balanced operation

Ideal for best flow where pressure balance valves required.

F7033 Intermediate Pneumatic Emergency Valve

- Intermediate profile body
- Compact installation footprint
- Flexible pipework orientation
- Industry-standard design

Offers greater flexibility for pipework routing.



F7033-621G Intermediate Pressure Balanced Emergency Valve

- Intermediate 90° elbow design
- Optimized space utilization
- Pressure balanced closure
- Simplified maintenance access

Combines pressure-balanced operation with installation flexibility.

F7043 Low Profile Pneumatic Emergency Valve

- Low profile body design
- High flow capacity
- Reduced installation height
- Excellent space efficiency

Ideal for applications with limited installation height.



F7043-621G Low Profile Pressure Balanced Emergency Valve

- Low profile 90° elbow body
- Helps lower vehicle center of gravity
- Pressure balanced operation
- Ideal for restricted spaces

Helps optimize clearance and tank design.

F7063-221 Tee Emergency Valve

- Tee body configuration
- High-flow design
- Supports two side runoff pipes
- Flexible system layout options

Designed for systems with dual runoff connections.

