

From Purchase to Service, Midland is the Complete Solution for Transporting Toxic Commodities

Moving toxic commodities like ethylene oxide present challenges that require the most advanced equipment. That's why Midland has always been committed to developing the best equipment for use on railcars. But Midland's commitment doesn't end when cuttingedge solutions like the A-1076 Pressure Relief Valve is shipped to its customers.



State-of-the-Art Remanufacturing and Repair Facilities

To help ensure that your equipment is operating at peak efficiency and reliability at all times, Midland has developed a proprietary Valve Remanufacturing & Repair Program with strategic locations in:

- Skokie, IL
- Houston, TX

Customized Consultative Approach

Midland recognizes that a fleet of railcars is not homogeneous, from the overall condition to the age of the tank cars, and that sometimes non-Midland-branded valves may be used. Because of this, Midland reviews each customer's needs individually.

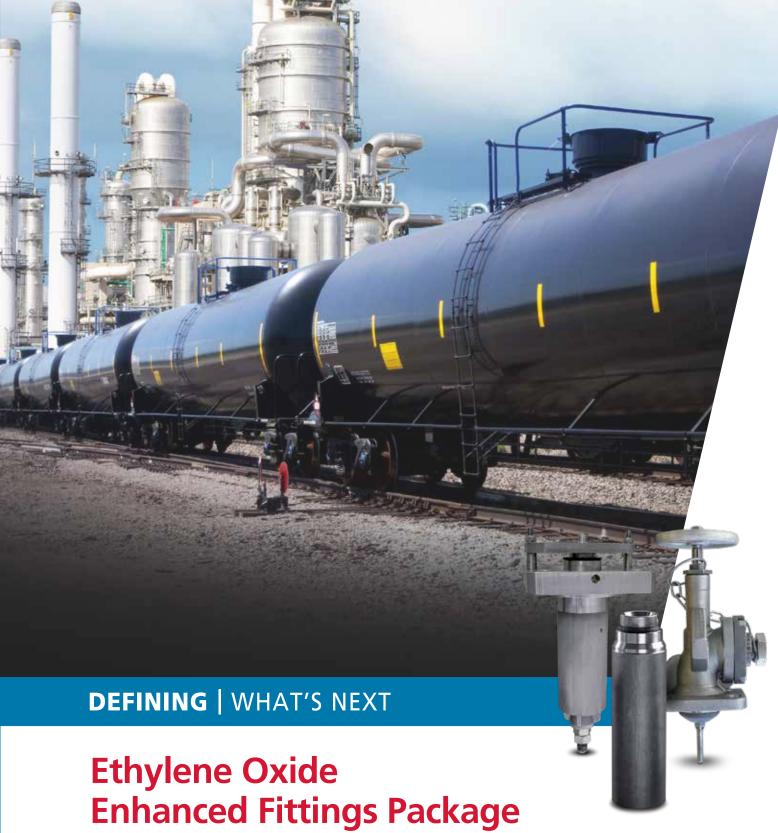
- Customers achieve more uptime
- Better utilization of personnel
- Improved bottom-line optimization
- Optimized safety







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- · A-728-SS Angle Valve
- · A-183-SS Check Valve
- · A-1076-SS Pressure Relief Valve





Advanced Ethylene Oxide Enhanced Fittings Package from Midland Helps Reduce the Chance of Ethylene Oxide Release



Ethylene Oxide Advanced Valve Package

The EO Package is designed to reduce the number of NARs in Ethylene Oxide service, while providing greater protection from product loss in the event of a rollover.

Angle Valve/Check Valve Combination

Our combination angle valve, plus spring-loaded check valve is designed with all primary seals below the surface of the pressure plate, reducing the risk of product loss to the atmosphere in the event of catastrophic damage to the angle valve.

Low-Profile Pressure Relief Valve

The new A-1076 Low-Profile Pressure Relief Valve extends less than 3" above the pressure plate to reduce the chance of sheer-off during a rollover. Equipped with two protective O-rings and top/ bottom stem guides, the A-1076 also minimizes the chance of a non-accidental release of a commodity.





▲ A-728-SS Angle Valve

Flow coefficient (Cv) with A-183: 60.6 at wide-open position

| FEATURE | BENEFIT |
|---------------------------------|--|
| One-piece body | Fewer leak paths |
| Stainless-steel components | Resistant to corrosion |
| Standard mounting configuration | Easy to install |
| Four (4) 9/16" flange bolts | Fewer leak paths |
| Adjustable packing | Stop leaks in the field |
| Live packing | Reduces the need for manual adjustment |
| 3/4" Extended stem | Automatically actuates the check valve during rotation of the hand wheel |



A-183-SS Check Valve

Primary seal to the atmosphere

| FEATURE | BENEFIT |
|------------------------------------|---|
| Soft seat | Positive shut off |
| Guided design of the seat retainer | Ensures a positive seal every time |
| Valve spring | Constant force on the plug for seal integrity |
| Removable components | Ease of maintenance |

A-1076-SS Pressure Relief Valve

Flow rating: 965 scfm-air Set to discharge: 75 psig

