



## Ethylene Oxide Enhanced Fittings Package

- 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 shear-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

FEATURE	BENEFIT
Less than 3" above pressure plate	Low profile, reduced chance of shear-off
Stainless-steel wetted components	Resistant to corrosion
Spring guide	Minimizes spring fatigue and corrosion
Dual O-rings	Fewer NARs, easy to replace while in service
Dual stem guides	Top and bottom stem guides for long-term reliability
Standard Chemraz® 505 O-rings	Durable, dependable (Other options available)
Available with flue, cap and chain	Additional corrosion protection and provides visual indication of commodity release



## 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 cutting-edge 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
- Peace of mind

