

A-1076 Low-Profile Pressure Relief Valve for Ethylene Oxide

Designed to minimize shearing and the potential for product release in the event of a tank-car rollover

Regulations from the Pipeline and Hazardous Materials Safety Administration (PHMSA) and the Federal Railroad Administration (FRA) prescribe enhanced safety measures for rail transportation of all toxic inhalation hazard (TIH) chemicals.

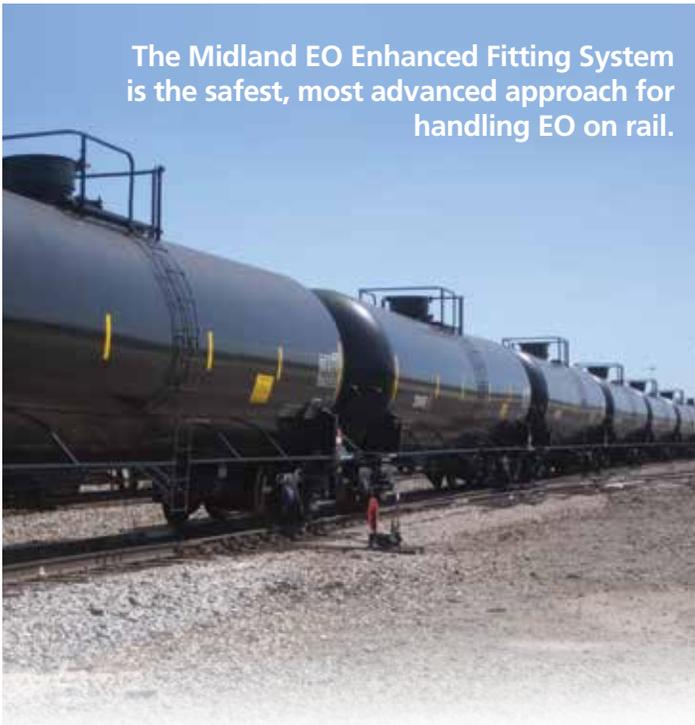
Midland's new A-1076 Series Pressure Relief Valves and dual angle/check valve systems, combined with FRA-approved top-fitting protection systems provide maximum protection against accidental release, and non-accidental release of ethylene oxide (EO) to the atmosphere.

The A-1076 has been designed for in-field maintenance with replaceable O-rings.



A-1076
(Shown without
Protective Flue)

The Midland EO Enhanced Fitting System is the safest, most advanced approach for handling EO on rail.



Features

- Low profile for extra protection against shearing
- 75 psig set-to-discharge
- Stainless-steel body, stem, retainer, spring, follower and all wetted components
- Flow rating: 965 scfm-air
- Fits traditional PRV mounting configurations
- Guided stem at the top and bottom ensures positive sealing, repeatable set-to-discharge, and vapor-tight pressure performance
- Also available with cap, flue and chain to reduce corrosion and provide a visual indicator of a release caused by excess pressure

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Model	Pressure Setting (psig)	Flow Rate (scfm)	Materials	Mounting	O-Rings	Other
A-1076-SS	75	965	Stainless Steel	Tongue & Groove	Chemraz [®] 505	–
A-1076-SS-S01	75	965	Stainless Steel	Tongue & Groove	Chemraz [®] 505	Flue, Cap & Chain

O-rings can be easily replaced even while the valve is on the car

Protective flue, cap and chain are available

Stainless-steel body

Spring guide tube to minimize spring fatigue and corrosion

The design of the A-1076 Low-Profile PRV reduces the height extension of the top guide to the pressure plate, while ensuring a consistent and reliable guide point for the top of the stem.

Stainless-steel spring operates at 75 psig +/- 3 psig

Stainless-steel stem

Stainless-steel follower provides a reliable guide point for the bottom of the stem