

Enardo 2000 Series

Emergency Relief Vent

Introduction

Enardo™ 2000 Series Emergency Relief Vents are designed to provide an opening for storage tanks when exposed to overpressure that are not handled by standard tank vents. These vents provide the capacity to meet API Standard 2000 for emergency venting due to fire exposure when properly sized.

Emergency pressure relief vents provide pressure relief only. Vacuum relief must be supplied by normal venting devices or an Enardo 2500 Series Emergency Relief Vent with vacuum.

When excessive pressure builds within the storage tank the Enardo 2000 Series Emergency Pressure Relief Vent hinged cover begins to open at the predetermined set pressure, relieving excess pressure. When overpressure has dissipated, the cover reseats onto the base. The hinge mechanism prevents misalignment and provides an accurate reseal.

Optional Remote Monitoring provides immediate indication of open emergency vent.

Available Sizes (Flat Face Connection Standard)

ANSI: 4, 8, 12, 16, 18, 20 and 24 in. / 100, 200, 300, 400, 460, 500 and 600 mm
API: 8, 20 and 24 in. / 200, 500 and 600 mm

Vent Setting Range

Pressure

1.0 to 32.0 oz./sq. in. (0.5 increments)
1.8 to 55.0 in. w.c. (1.0 increments)
4.3 to 138 mbar (2.2 mbar increments)

Vacuum

N/A

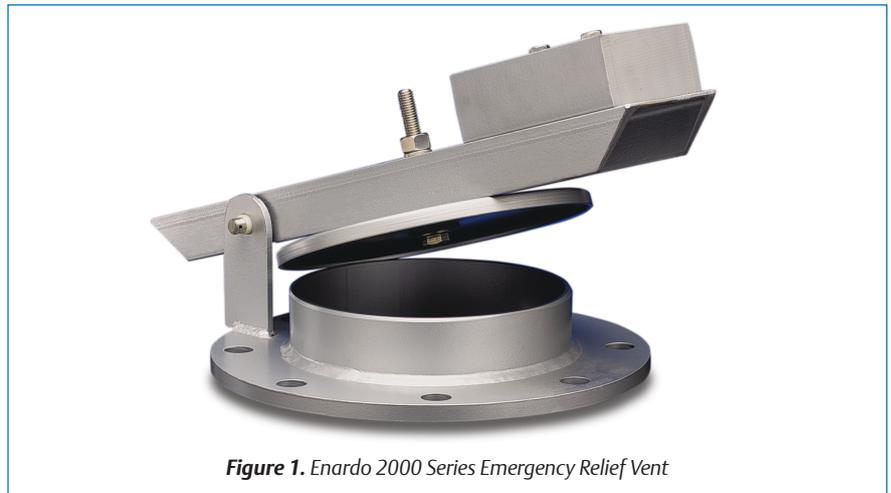


Figure 1. Enardo 2000 Series Emergency Relief Vent

Construction Materials

Base

Carbon Steel
304 SST
316 SST

Arm

Carbon Steel
304 SST
316 SST

Cover

Aluminum
316 SST

Seal

Nitrile (NBR),
Fluorinated Ethylene Propylene (FEP) or
Fluorocarbon (FKM)

Seal Support

Aluminum
316 SST

Additional Technical Data

For more technical information, contact your local Sales Office or log on to:

www.enardo.com

Features

- Advanced seal technology exceeds the most stringent of industrial standards for allowable leakage (1 SCFH at 90% set point) and provides excellent set point accuracy.
- All components are field replaceable, including pallet seal without the need for special tools or complex procedures.
- Every Enardo 2000 Series vent is factory inspected and leak checked and certified.
- Corrosion-resistant coatings are available for even the most corrosive applications.
- Certified flow capacity curves are available for the full product size range.
- Available in API, ANSI, DIN and JIS flanges. Flat face connection is standard.
- EN 13463-1 and EN 13463-5 Certified.
- Optional Remote Monitoring.

