

# Enardo ES-800-PSO

In-Line Vent Valve

## Introduction

Enardo™ ES-800-PSO in-line vent valves represent the latest development in high-performance, tight-sealing tank venting products and complement the industry-leading Enardo ES-660 Series thief hatch product line. With a leakage rate of no more than 1.0 SCFH at 90% of setpoint, the Enardo ES-800-PSO offers unparalleled vent valve performance and a substantial increase in flow as compared to non-ES models.

Enardo ES-800-PSO Pressure Only vent valves are designed to relieve pressure only through the vent line. By omitting the vacuum side of the valve they eliminate the possibility of a two way flow. These are designed the same as the “SO” pressure/vacuum series except they eliminate the vacuum side of the valve.



Figure 1. Enardo ES-800-PSO In-Line Vent Valve

## Available Sizes

2 to 4 in. / 50 to 100 mm

## Vent Setting Range

### Pressure

1.0 to 16.0 oz./sq. in. / 4.3 to 6.90 mbar  
(0.5 oz./sq. in. / 2 mbar increments)

## Construction Materials

### Housing

Cast Aluminum

### Pallet

Aluminum

## Construction Materials (continued)

### Pressure Seal

Nitrile (NBR) or Fluorocarbon (FKM)

### Hardware

Zinc-plated carbon steel

### Weight

Zinc-plated carbon steel  
(to 12 oz. /sq. in.) Lead

### Body Gasketing

Nitrile (NBR) or Fluorocarbon (FKM)

## Additional Technical Data

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

[www.enardo.com](http://www.enardo.com)

## Features

- Multiple setting options by adding additional pressure weights
- Fluorocarbon (FKM) gaskets for “Sour Gas” and corrosive service applications
- Leakage rate of no greater than 1.0 SCFH at 90% of setpoint
- Non-Corrosive coating option for extremely harsh environments
- Certified flow capacities in accordance with API

# Enardo ES-800-PSO

## In-Line Vent Valve

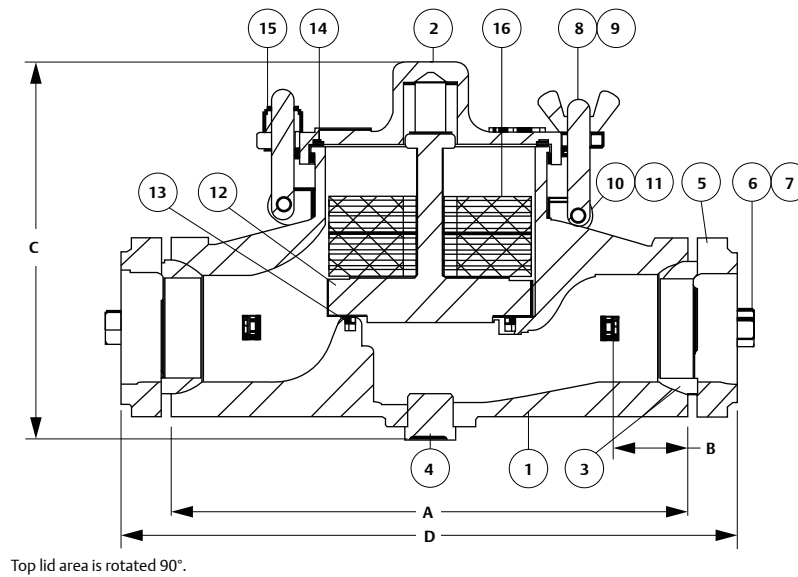


Figure 2. Enardo™ ES-800-PSO Dimensions

Table 1. Enardo ES-800-PSO Dimensions

MODEL	SIZE		A		B		C (HEIGHT)		D (LENGTH)		APPROXIMATE WEIGHT	
	In.	mm	In.	mm	In.	mm	In.	mm	In.	mm	Lb	kg
Enardo ES-820-PSO	2	50	11-7/8	302	1-3/4	44.5	8-3/4	222	14-1/4	362	12	5
Enardo ES-830-PSO	3	80	12	305	1-3/4	44.5	10-1/4	260	15-1/4	387	17	8
Enardo ES-840-PSO	4	100	14-1/2	368	1-3/4	44.5	11-5/8	295	17-1/4	438	23	10

Table 2. Enardo ES-800-PSO In-line Vent Valve

KEY	PART NAME	2 In.	3 In.	4 In.
1	Valve Body	3514261	3514297	3514321
2	Lid	3514264	3514300	3514335
3	Flange Gasket	3505501	3505502	3505503
4	Pipe Plug	2023802	2023802	2023802
5	Slip-on Flange	3508901	3508902	3508903
6	Hex Bolt	2021203	2021200	2021200
7	Square Nut	2021901	2021901	2021901
8	Eyebolt	3505601	3505601	3505601
9	Wing Nut	2001002	2001002	2001002
10	Latch Pin	4505103	4505103	4505103
11	Latch Clip (HPC-148)	2027100	2027100	2027100
12	Pallet	3514268	3514294	3514333
13	V-ring Seal, Nitrile (NBR)	3514286	3514316	3514323
13	V-ring Seal, Fluorocarbon (FKM)	3514313	3514317	3514324
14	Lid O-ring, Nitrile (NBR)	3514285	3514318	3514365
14	Lid O-ring, Fluorocarbon (FKM)	3514314	3514319	3514372
15	Nylock Nut	1/2-13	1/2-13	13 - 1/2
16	Pressure Weight(s)	As required	As required	As required