

Introduction

Enardo™ 961 spring loaded pressure relief valves are designed to handle higher pressure settings than standard dead weight loaded valves. The valve is designed for pressures up to 15 psig / 1034 mbarg for tanks with higher maximum allowable working pressures.

Enardo 961 is part of high performance pressure vacuum relief valves. The Enardo 961 was designed with features to exceed the performance of standard valves on the market.

Enardo 961 vent-to-atmosphere design maintains a tight seal until system pressure or vacuum exceed the set pressure of the valve. When overpressure occurs the spring loaded pallet lifts, breaking the seal between the seat and pallet, allowing vapors to pass through the valve orifice and relieving the pressure buildup. The valve reseals upon relief and remains sealed.

Available Sizes

2 to 6 in. / 50 to 150 mm

Valve Setting Range

Pressure Setting

Maximum 14.99 psi / 1034 mbarg

Construction Materials

Housing

Aluminum
Stainless steel
Carbon steel

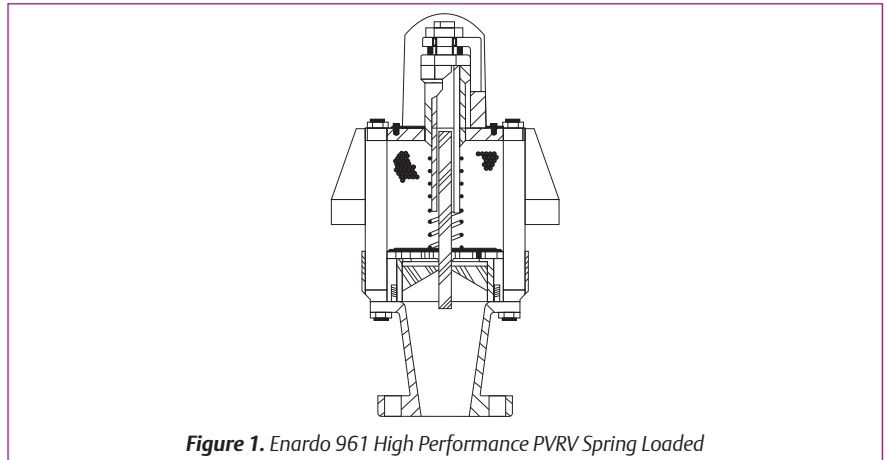


Figure 1. Enardo 961 High Performance PVRV Spring Loaded

Construction Materials (continued)

Seat/Pallet

Polyphenylene Sulfide (PPS)
(maximum 5 psig / 345 mbarg)

316 Stainless steel
(standard above 5 psig / 345 mbarg)

Pallet Seal

Nitrile (NBR)
Fluorinated Ethylene
Propylene (FEP) Teflon®
Fluorocarbon (FKM) (Viton®)

Body/Seat/Lid Seal

Nitrile (NBR)
Fluorinated Ethylene
Propylene (FEP) Teflon®
Fluorocarbon (FKM) (Viton®)

Additional Technical Data

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

www.Enardo.com

Features

- **Advanced composite thermoplastic Polyphenylene Sulfide (PPS) materials for seat and trim provide superior resistance to corrosion, chemical attack, liquid and vapor adhesion, temperature extremes (-50 to 500°F / -46 to 10°C) and sticking due to valve seat freeze.**
- **Enardo Saber® Guide valve system provides smooth valve stroke during operation and reduces valve wear.**
- **Exceeds the most stringent standards for allowable leakage (1 SCFH at 90% of setpoint per valve) and provides excellent set point accuracy (+/-3%).**
- **Fully field replaceable pallet and seat assemblies.**
- **Available in ANSI, DIN and JIS flanges.**
- **EN 13463-1 and EN 13463-5 certified.**

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Enardo 961

High Performance PVRV Spring Loaded

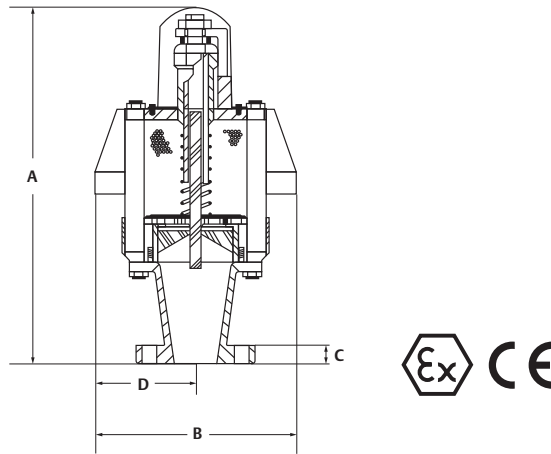


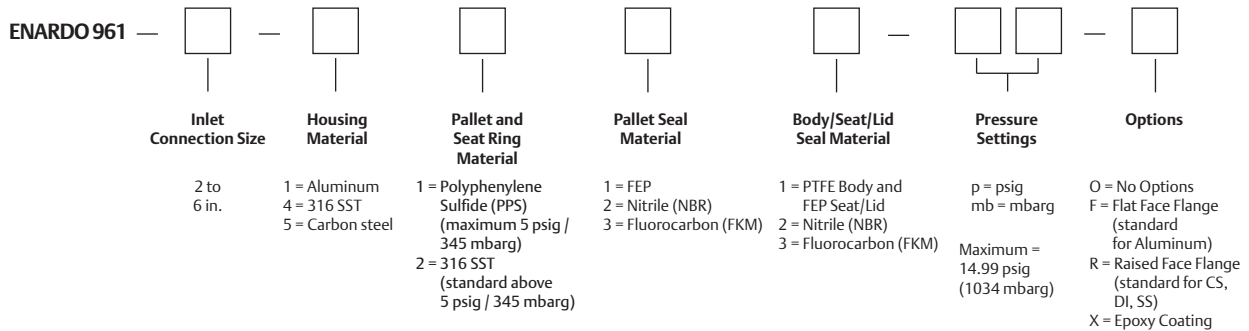
Figure 2. Enardo 961 Dimensions

Table 1. Enardo 961 Dimensions and Weight⁽¹⁾

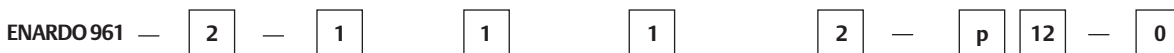
INLET CONNECTION	A (OVERALL HEIGHT)		B (OVERALL WIDTH)		C (FLANGE HEIGHT)		D (CL INLET)		WEIGHT (ALUMINUM)		WEIGHT (CARBON STEEL)		WEIGHT (STAINLESS STEEL)		
	In.	mm	In.	mm	In.	mm	In.	mm	Lbs	kg	Lbs	kg	Lbs	kg	
2	50	18-1/8	460	10-1/8	257	3/4	19.1	5-1/16	129	19	8.6	31	14	34	15
3	80	18-3/7	468	10-1/8	257	0.94	23.9	5-1/16	129	20	9.1	35	16	39	18
4	100	25-4/5	656	14-1/8	359	0.94	23.9	7-1/16	179	42	19	68	31	76	34
6	150	25-4/5	656	14-1/8	359	1	25.4	7-1/16	179	44	20	75	34	82	37

1. Unit weights indicate Net Weight of valve in pounds at standard set pressure (10.5 oz/sq. in. pressure and 0.5 oz/sq. in. vacuum), does not include shipping crate or box. Add 20% for gross shipping weight (Domestic Only).

Key to Enardo 961 Model Number



Example:



Indicates a vent-to-atmosphere pressure vacuum relief valve with 2 in. inlet, ANSI 150 lb. raised face flange pattern connections, aluminum housing, Polyphenylene Sulfide (PPS) pallet and seat, FEP pallet seal and Nitrile (NBR) lid seal. Pressure setting is 12 psig with SST pressure springs with no additional option.

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