



# SeaVent® Pressure Relief Valves



ADJUSTABLE CRACKING  
PRESSURE



MATERIAL  
OPTIONS



UP TO 11,000 M  
DEPTH RATING

## Pressure Relief Valves to Meet All Your Subsea Vehicle Needs

SeaVent valves are designed to prevent catastrophic explosions of subsea housings caused by internal pressure buildup (battery off-gassing or thermal expansion) by automatically venting internal pressure once it exceeds a set cracking pressure.

### Double Dual Seal

SeaVent Double Dual Seal (DDS) uses dual O-rings for redundant protection against leaks. Hexagonal sides at the base of the DDS allow for easy installation with a standard wrench. The DDS is offered in either PEEK or titanium with a cracking pressure of 10 psi. A vacuum and fill attachment is available.



### Single Dual Seal

The Single Dual Seal (SDS) can be specified with a cracking pressure range of 5-15 or 15-25 psi. Materials include aluminum, stainless steel, or titanium. A vacuum attachment is available.



### Single Dual Seal

Our Single Seal SAE (SSS) is available in 316 stainless steel with a cracking pressure range set from 5-15 or 15-25 psi. There is no vacuum fill option for this configuration.



For further information, email  
[sales@deepsea.com](mailto:sales@deepsea.com)

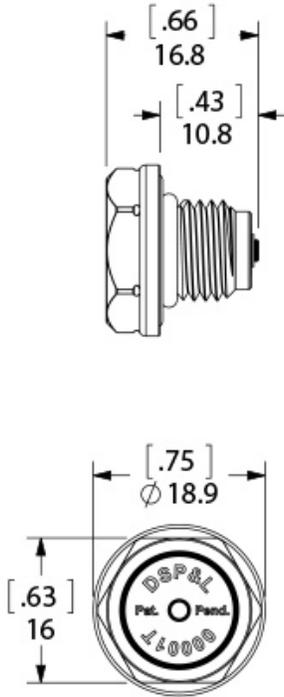


## Specifications

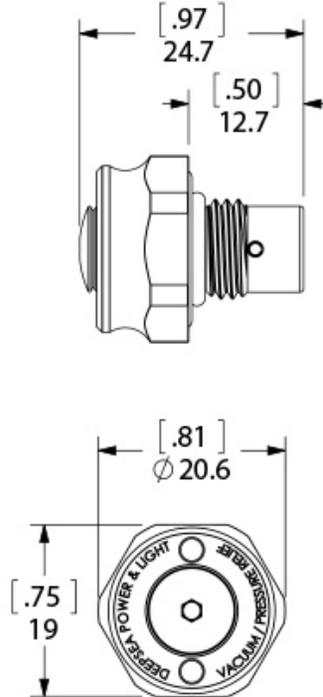
	Double Dual Seal (DDS)	Single Dual Seal (SDS)	Single Seal SAE (SSS)
<b>Optical Specifications</b>			
Depth	Titanium: 11,000 m PEEK: 6,000 m	Titanium: 11,000 m Aluminum and Stainless Steel: 6,000 m	Stainless Steel: 6,000 m
Operating Temperature	0 °C to 40 °C [32 °F to 104 °F]		
Storage Temperature	10 °C to 30 °C [50 °F to 86 °F]		
Default Cracking Pressure	10 psi +/- 20%		25 psi +/- 20%
Cracking Pressure Range	5 to 10 psi	5 to 15 psi (Optional 15 to 25 psi)	15 to 25 psi (Optional 5 to 15 psi)
Materials	Titanium 6Al-4V PEEK	Titanium 6Al-4V Aluminum-6061 Stainless Steel 316 (Passivated)	Stainless Steel 316 (Passivated)
Weight in Air	Titanium: 8.30 g [0.29 oz]	Titanium: 14.10 g [0.49 oz]	12.90 g [0.46 oz]
Threads	7/16 – 20 with #4 J1926 Port		

# Dimensions

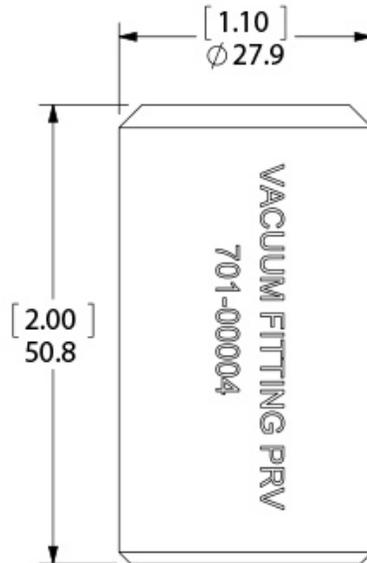
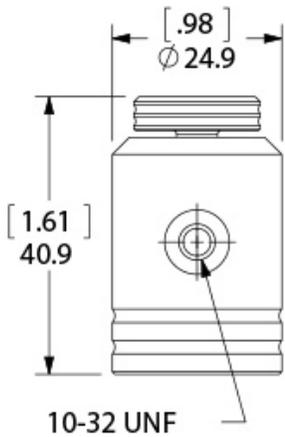
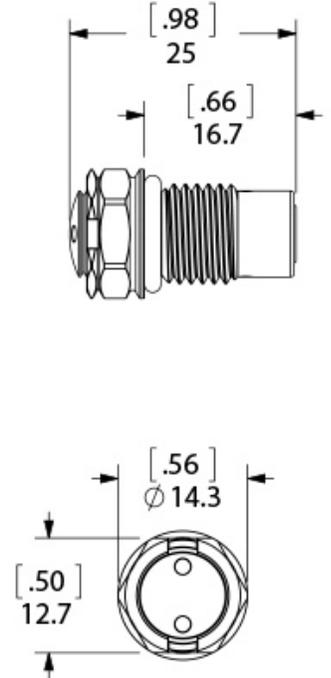
Double Dual Seal



Single Dual Seal



Single Seal SAE



[inch]  
mm