

# WASCO

SWITCHES & SENSORS

## UHP150 ULTRA HIGH PURITY SWITCH SERIES

Industry leading customers have depended upon the reliability and performance of the UHP150 Series since 1989. This series features an all stainless steel sensor in addition to an all welded construction. The UHP150 Series incorporates Wasco's proprietary manufacturing method which eliminates all leak paths.

This series is a perfect switch to handle corrosive media with high accuracy and tight tolerance.



## UHP150 HIGHLIGHTS

We've designed the UHP150 series for ultra high purity applications such as semiconductor equipment. The UHP150 Series does not contain any elastomer or O-ring. All switches are helium leak tested to  $\leq 1 \times 10^{-9}$  std cc/sec per SEMI F1. The UHP150 Series is manufactured and packaged inside a Class 100 cleanroom.

## TYPICAL APPLICATIONS

- Gas Boxes
- Ozone Systems
- Gas Distribution Systems
- Semiconductor Equipment
- Medical Equipment
- Gas Filtration Systems

## UHP150 SERIES PERFORMANCE CHART

Sensor	Max. System Pressure* (PSIG)	Set Point Range* (PSIG)	Set Point Tolerance (PSI)	Reset Band (PSI)
3	30	1.0 - 30	$\pm 0.7$	0.7 - 2.3
5	125	3 - 125	$\pm 2.0$	1.3 - 3.8
8	250	8 - 250	$\pm 5.0$	2.0 - 10.0
15	500	18 - 500	$\pm 10.0$	5.0 - 21.0

\* Other ranges available

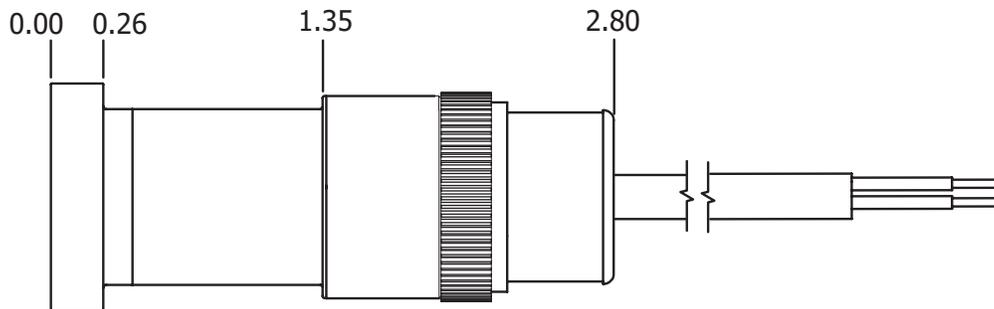
## MATERIAL SPECS

	<b>Wetted Components</b>
<b>Fitting</b>	316L SS
<b>Diaphragm</b>	17-7PH SS

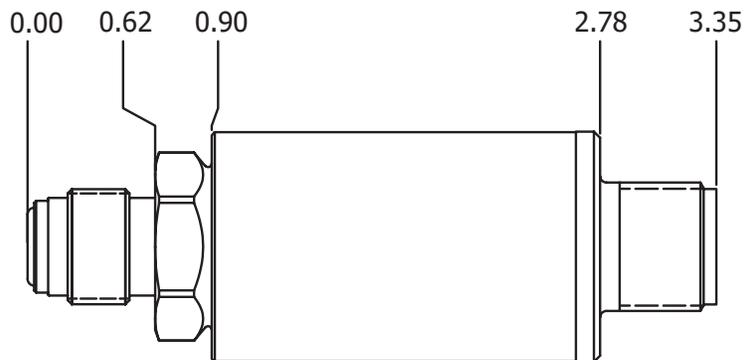
## TECHNICAL SPECS

<b>Life Cycle</b>	≥1,000,000 cycles
<b>Ingress Protection</b>	IP65
<b>Leak Rate</b>	100% Helium Leak Tested to $\leq 1 \times 10^{-9}$ std cc/sec
<b>Operating Temp</b>	-65° to 225°F -54° to 107°C

## UHP150 DIMENSIONS



Typical UHP150 with IGS surface mount (other configurations available)



Typical UHP150 with 1/4" male face seal (other configurations available)

We understand how difficult the specifying process is, but we believe it shouldn't be so confusing. Wasco has specified over 6000 unique pressure sensors for thousands of customers since 1963.

**Find your solution today by filling out our [worksheet](#).**

\*Information contained in this document is for reference only.  
Actual product specifications will be provided on an engineering drawing.  
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