WASCO
SWITCHES & SENSORS

SV120 SUPER PURITY VACUUM SWITCH SERIES

Industry leading customers have depended upon the reliability and performance of the SV120 Series since 1989. This series features an all stainless steel sensor in addition to an all welded construction. The SV120 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.

SV120 SERIES HIGHLIGHTS

We've designed these switches for high purity applications such as semiconductor equipment. The SV120 Series does not contain any elastomer or an O-ring. All switches are helium leak tested to ≤ 1 x 10^{-9} std cc/sec Helium per SEMI F1.

TYPICAL APPLICATIONS

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

SV120 SERIES PERFORMANCE CHART

Sensor	Max. System Pressure*	Set Point Range*	Set Point Tolerance	Typical Reset Band
3	30.0	1.6 - 25.0	± 1.2	1.0 - 4.6
5	30.0	6.0 - 29.5	± 4.0	1.4 - 7.6

All measurements = inHg
* Other ranges available

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WASCO

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COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV ISO 9001

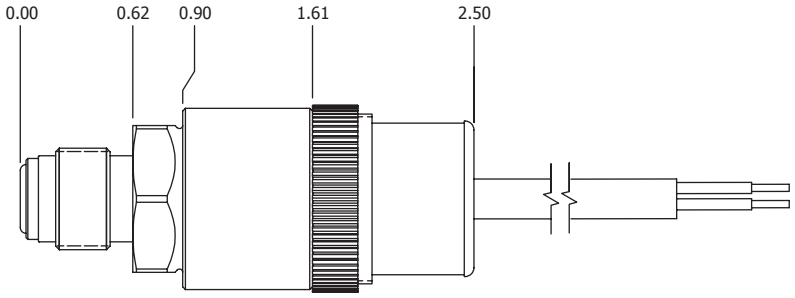
MATERIAL SPECS

	Wetted Components
Fitting	316L SS
Diaphragm	17-7PH SS

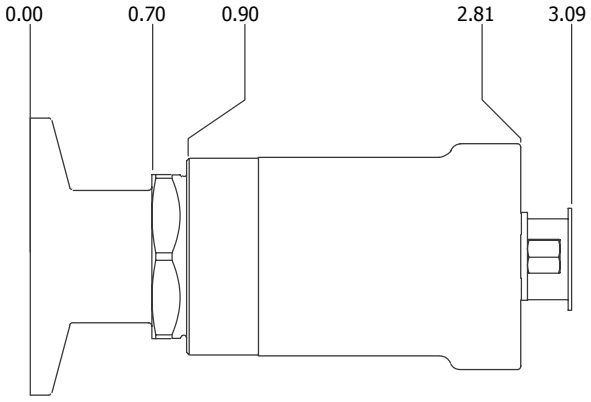
TECHNICAL SPECS

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

SV120 DIMENSIONS



Typical SV120 with 1/4" face seal and flying leads (other configurations available)



Typical SV120 with KF25 fitting and 9 pin (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.

SCAN ME

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