



ULTRA HIGH PURITY PRESSURE & VACUUM TRANSDUCERS

Wasco's Barracuda Series of Ultra High Purity (UHP) Sensors are designed for applications that require sensing of a corrosive media in demanding market applications. These transducers are ideally suited to sense gaseous or liquid media without introducing contamination to the process media.

This series is perfect for systems that require sensing of corrosive media in a high accuracy, tight tolerance application.

BARRACUDA HIGHLIGHTS

We've designed these transducers for highly corrosive environments found in next-generation semiconductor processing equipment. The Barracuda series is rated for more than 10,000,000 application cycles. The Barracuda has materials available that meet or exceed SEMI F20 (UHP) with a critical pitting temperature performance of $> 35^{\circ}\text{C}$. All sensors are helium leak tested to $\leq 1 \times 10^{-9}$ std cc/sec Helium per SEMI F1.



TYPICAL APPLICATIONS

Gas Boxes
IGS Gas Panels
Gas Distribution Systems
Valve Manifold Boxes
Etch & Deposition Systems

BARRACUDA PERFORMANCE CHART

Output	Supply Voltage	Stability	Accuracy	Proof Pressure	Burst Pressure
4-20 mA	12 to 32 VDC	$\pm 0.25\%$ BFSL Per Year	$\pm 0.25\%$ BFSL	2X Full Scale	3X Full Scale
0-5 VDC					
0.1-10.1 VDC					

TECHNICAL SPECIFICATIONS

Expected Lifetime	≥10,000,000 cycles	Pressure Port	1/4" Male & Female Face Seal
Pressure Range	-1 Bar up to +3000 PSIG	Electrical Connection	M12 Connector
Operating Temperatures	-20 to 85°C	Media Compatibility	Compatible with 316L, Semi F20 UHP Grade
Zero Offset/ Span Tolerance	±2.0% FS	Fitting	316L, Semi F20 UHP Grade
Current Consumption	< 12 mA Voltage (Typ.)	Internal Surface Finish	5 Ra

BARRACUDA DIMENSIONS

