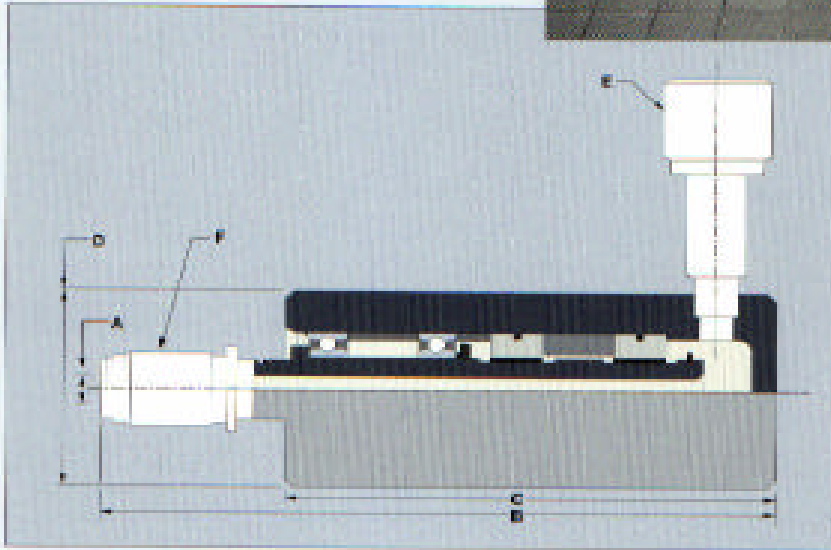


TECHNICAL SPECIFICATIONS

**PPB ENGINEERING AND
SYSTEMS DESIGN -
MCVD LATHE ROTARY SEAL**



Specifications	Model # ISA-100-1
(A) Bore Diameter (in)	.38"
(B) Overall Length (in)	8.79"
(C) Housing Length (in)	6.735"
(D) Housing Diameter (in)	3.85"
(E) Supply Gland (Male)	Cajun 1/2" Male VCR
(F) Vacuum Gland (Male)	Static O-Ring Seal #2-218 Viton
Number of Services	1

LATHE INTAKE SEAL ASSEMBLY

The PPB Lathe Intake Seal has been designed to meet the ever increasing purity requirements of the chemical delivery systems of today's Modified Chemical Vapor Deposition processes. These systems require the delivery of high purity process gases to rotating substrate tubes. This seal is specifically designed for optical fiber manufacturing with an emphasis on maintaining the highest possible levels of purity while remaining extremely easy to use and maintain.

SEAL FUNCTION

- ∑ Provides rotary motion into the process chamber while maintaining an uninterrupted gas supply and leak free environment
- ∑ Adaptable to any MCVD process or deposition tube size

SEAL PERFORMANCE

- ∑ Less than 1.0×10^{-8} standard cc helium/second leak rate
- ∑ Maintenance free operations
- ∑ Low inherent drag for minimal power consumption

SEAL FEATURES


- ∑ Seal redundancy for long life and/or positive pressure applications
- ∑ Deposition Tube interface consists of an inside or outside seal with Viton O-rings for exceptional leak integrity and long life
- ∑ Electropolished 316L Stainless Steel gas delivery lines and Anodized Aluminum mounting for superb corrosion resistance

Order Info:

For inquiries regarding the Series 100 Intake Seal Assembly, or other products and services of PPB Engineering, contact us at:

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Roanoke, VA 24019

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