



DB Series Ultra High Purity, Bench Mounted, Diaphragm Valve Outlet

SPECIFICATION

Key Features

Ideal point-of-use outlet for most high purity applications

- Inert, reactive, flammable and oxidizing gases and mixtures
- Purity up to Grade 6.0 (99.9999% pure)

Superior Leak Rate

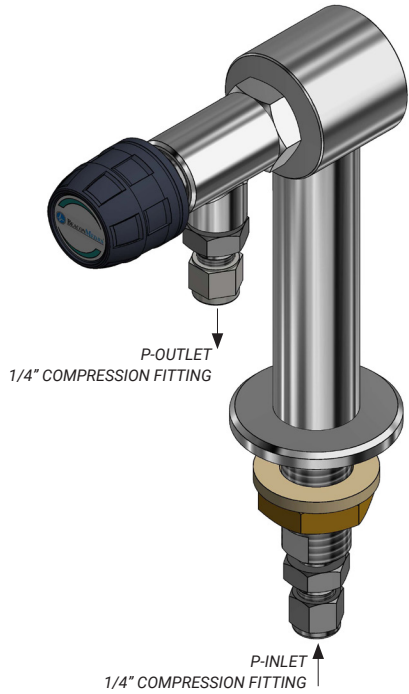
- Designed to $<1 \times 10^{-7}$ cc/sec. outboard helium leak rate to maintain gas purity levels

Multiple Turn Shut-off Valve

- Allows for fine metering and positive shut-off

Versatile & Compact design

- Space saving configuration designed for small spaces
- Available in multiple configurations in other series, including an integrated regulator option



Ordering Information

DB - - - - -
A
B
C
D
E
Part Number Matrix - DB

A	
CONFIGURATION	INSCRIBE
Straight	1
90° Angle Down	2

C	
MATERIAL OF CONSTRUCTION	INSCRIBE
Chrome-Plated Brass	B
Stainless Steel	SS

E	
OUTLET ASSEMBLY	INSCRIBE
1/4" Compression SS	CS4
Hose Barb	HB
Quick Connect	QC

B	
GAS	INSCRIBE
Air- compressed	AIR
Argon	AR
Carbon dioxide	CO2
Helium	HE
Hydrogen	H2
Gas Mix	MIX
Nitrogen	N2
Oxygen	O2
Special Gas	SG
Other	(Provide Gas Type)

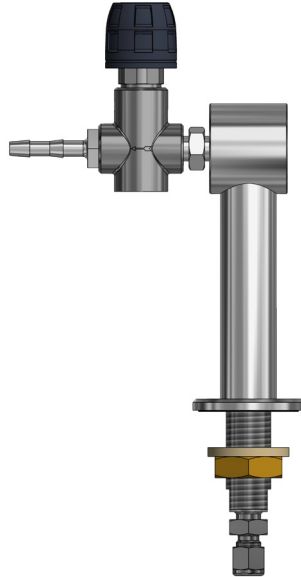
D	
NUMBER OF OUTLETS*	INSCRIBE
1	1

**Note: Multiple outlet configurations are available. Please reference LDS-851-06.*



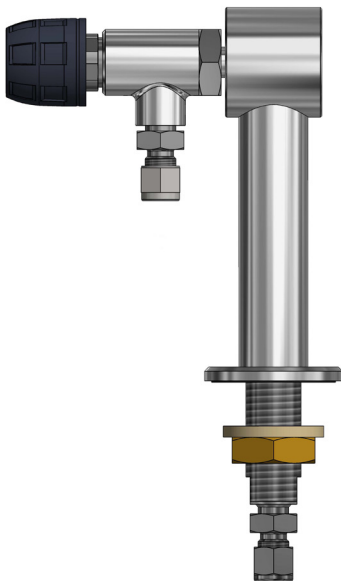
Configurations


*Model DB1-"GAS"-B-1-CS4
(Bench Mounted, Straight Configuration
with Compression Fitting Outlet)*

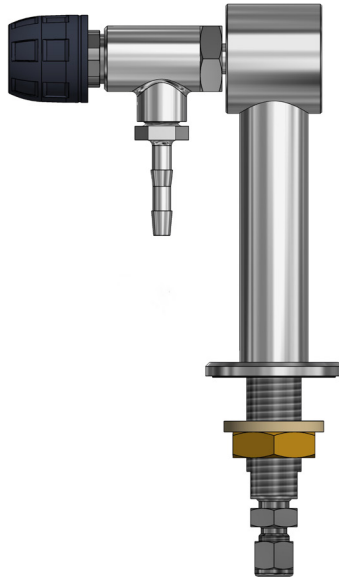


*Model DB1-"GAS"-B-1-HB
(Bench Mounted, Straight Configuration
with Hose Barb Outlet)*

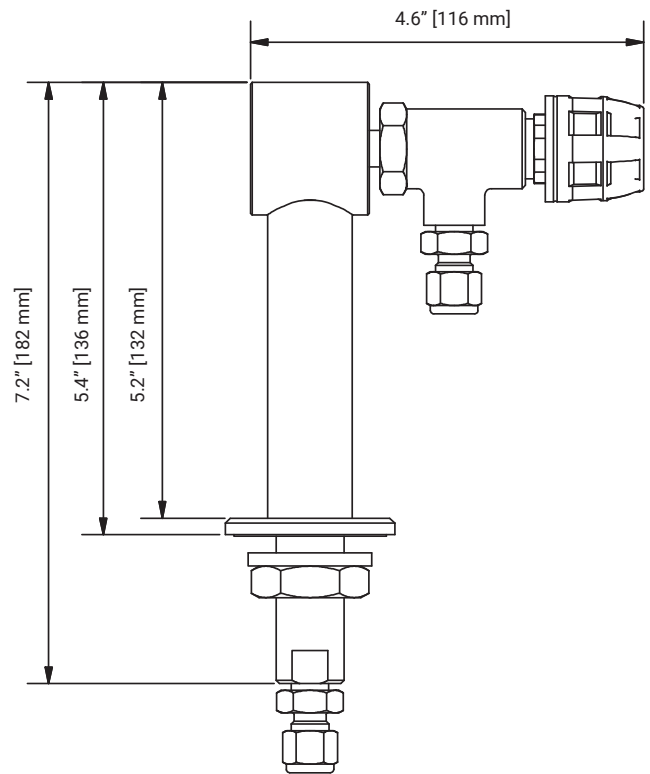
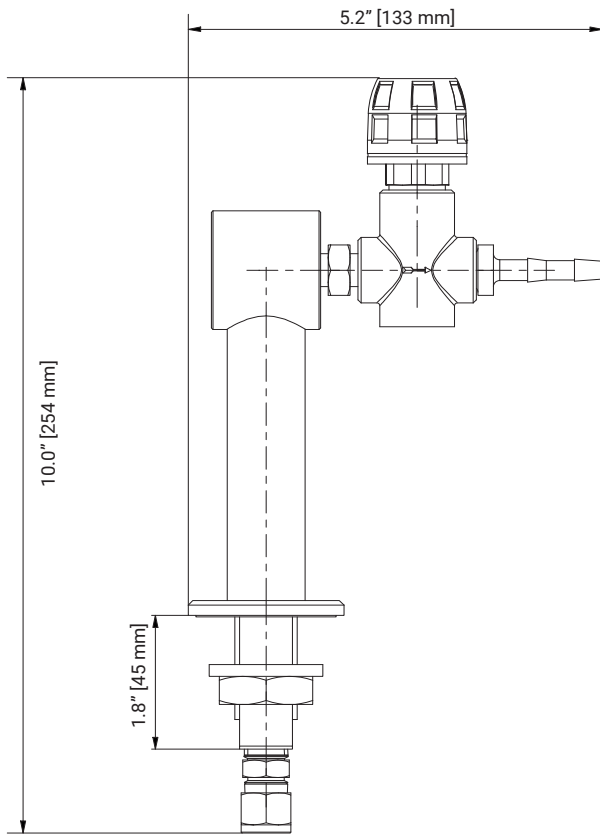
Specifications	
Maximum Inlet Pressure	600 psig [40 barg]
Body	Stainless Steel or Chrome-plated Brass
Diaphragm	Hastelloy
Body Seals	Hardened Stainless Steel Cone
Seat Seals	PCTFE
Operating Temperature	-13° F to 158° F [-25°C to 70°C]
Fine Metering	Adjustment knob approx. 10 turns



*Model DB2-"GAS"-B-1-CS4
(Bench Mounted, 90° Angle Configuration
with Compression Fitting Outlet)*



*Model DB2-"GAS"-B-1-HB
(Bench Mounted, 90° Angle Configuration
with Hose Barb Outlet)*

Dimensions


Life is in the details.®