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VERIFLO

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944 Bleed Valve

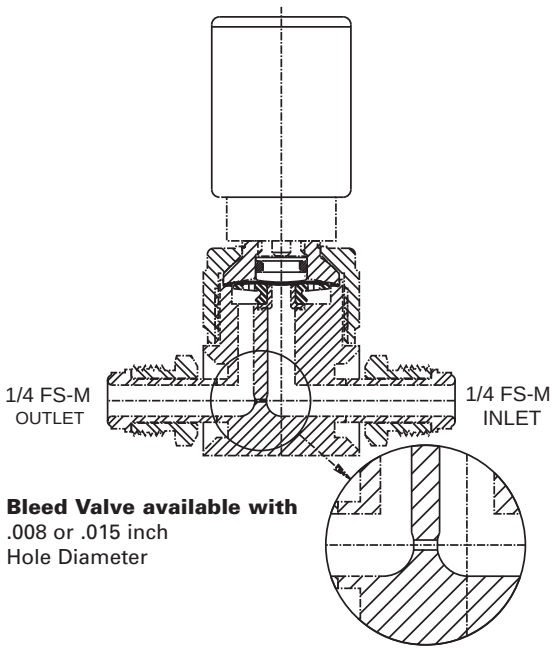
for Veriflo Quantum Valves

technical bulletin

Veriflo introduces the 944 Bleed Valve for the semiconductor industry. Using its laser expertise, Veriflo bores a precise hole (orifice) in this ultra high purity Quantum valve to allow a continuous restricted flow when the valve is closed.

The 944 Bleed Valve can be used in place of a parallel line with an orifice which reduces footprint, internal volume and multiple welds. This valve can also be used to continuously bleed a purge gas to a vent system which prevents back streaming of air into the system.

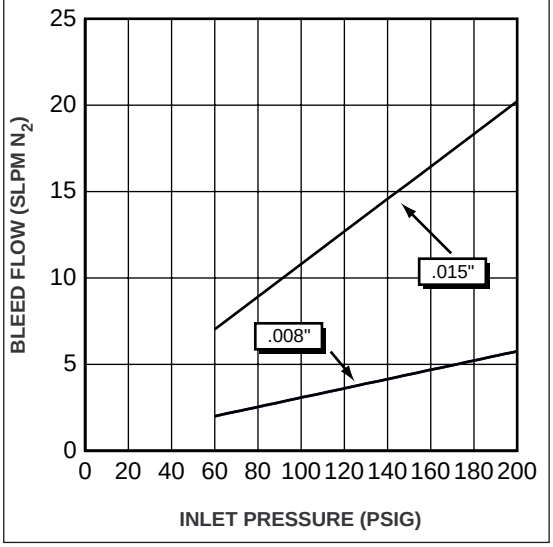
Bleed Hole Cross-Sectional View



Bleed Valve available with
.008 or .015 inch
Hole Diameter

Bleed Flow vs. Inlet Pressure

The flow curve shown provides the flow performance of the bleed orifice at nominal orifice dimensions based on N_2 gas and 0 psig back pressure



Ordering Information

944 AOP LP NC S FSMM BL015

BASIC SERIES
944AOPLP = 944 Air Operated, Low Pressure

TYPE
NC = Normally Closed
NO = Normally Open

MATERIAL
S = 316 L VAR Stainless Steel
H = Hastelloy C-22®

OPTIONAL FEATURES
BL 008 = Bleed Valve .008 Orifice
BL 015 = Bleed Valve .015 Orifice
LS = Limit Switch
TH = Hastelloy C-22® Trim
VESP = Vespel®*

CONNECTIONS

FSMM	1/4" Face Seal, Male in-Male out	FS8FM	1/2" Face Seal, Female in-Male out
FSFF	1/4" Face Seal, Female in-Female out	FS8MF	1/2" Face Seal, Male in-Female out
FSFM	1/4" Face Seal, Female in-Male out	P	1/4" NPTF
FSMF	1/4" Face Seal, Male in-Female out	TS	1/4" Tube Stub
FS8MM	1/2" Face Seal, Male in-Male out	TS6	3/8" Tube Stub
FS8FF	1/2" Face Seal, Female in-Female out	TS8	1/2" Tube Stub (180° Only)

* Recommended for Nitrous Oxide ($N_2$0) Service

Hastelloy C-22® is a registered trademark of Haynes International, Inc.
Vespel® is a registered trademark of DuPont Company.

Parker Instrumentation

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