



Calibrated Orifices for Gas Flow



For use as flow rate standards or gas metering. Graftel, Inc. can provide a stainless steel orifice calibrated to flow at a specified rate for a specified inlet pressure for most gasses.

All orifices are provided with NIST traceable calibrations performed by Graftel in compliance with ISO 17025-2005 certified by L.A.B. For nuclear power applications 10 CFR 50 Appendix B and 10 CFR Part 21 may be applied.

Standard orifice configurations available as shown below. Custom configurations machined in our shop are available quickly and without custom charges.

Orifices can be provided for the below gasses, ranges of inlet pressures and flow rates.

Gas: Air, nitrogen, oxygen, argon, helium, hydrogen, methane, propane, acetylene, ethane, (other gasses upon special request)

Vacuum: 0 to 30 " Hg
Pressure: 0 to 2000 psig

Flow Rate: 0.1 to 1500 slpm
0.0002 to 3200 scfh

Graftel, Inc.
www.graftel.com
870 Cambridge Drive
Elk Grove Village, IL. 60007
P. 847-364-2600 - F. 847-364-2899

Types of Calibrated Orifices

(All Fittings made with Stainless Steel)

Hex Nipple, Type: NPT-HN, Sizes: 1/8", 1/4", 3/8"



Male to Female Adapter, Type: NPT-FA, Sizes: 1/8", 1/4", 3/8", 1/2"



External Hex Bleed Plug, Type: NPT-EHB, Sizes: 1/8", 1/4"



Internal Hex Bleed Plug, Type: NPT-IHB, Sizes: 1/8", 1/4"



NPT to Tube Adapter, Type: NPT-TB, Sizes: 1/4", 3/8"



Tube Union, Type: TB-TB, Sizes: 1/4" , 3/16"



Tube Union Tee, Type: TB-Tee, Size: 1/4"



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Tube Adapter, Type: TB-Adap, Size: 1/4"



Port Connector, Type: TB-Port, Size: 1/4"



Dual Barb, Type: BD, Sizes: 1/16" , 1/8" Barb



UNF to Barb Adapter, Type: UNF-BA, Sizes 1/16" , 1/8"



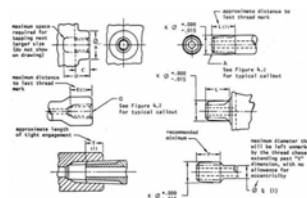
NPT to Barb Adapter, Type: NPT-BA, Sizes 1/16" , 1/8"



Type A Insert Config, Sizes: Press Fit into 0.126"/0.127" Dia.



Type B Insert Config, Sizes: Press fit into 0.256"/0.257" Dia.



Custom Spec. Orifices

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