



**G R A F T E L L L C .**

## **CUSTOM FABRICATED ORIFICES FOR GAS FLOW**

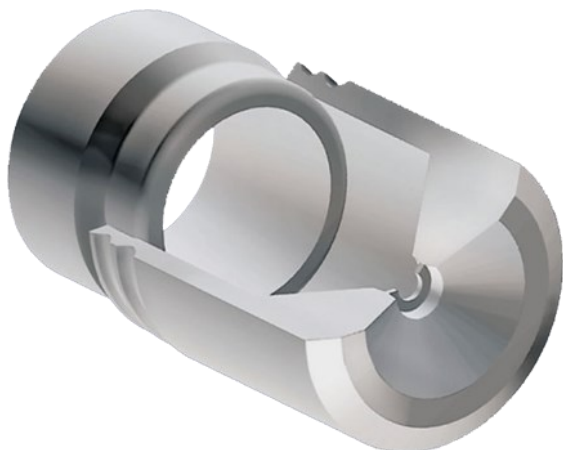
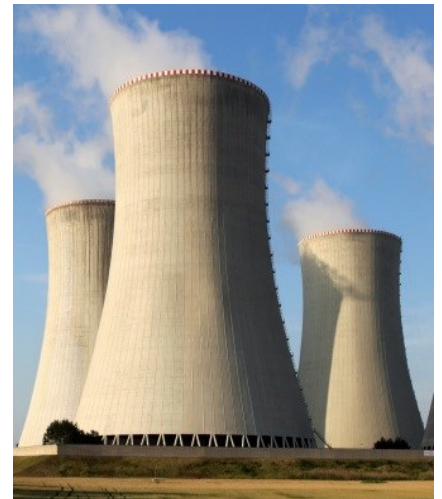


*You specify the gas, desired flow rate and inlet pressure. We custom fabricate and calibrate the nozzle quickly in our shop.*

All calibrations are performed under the Graftel quality program certified by L-A-B to ISO 17025:2005, ANSI/NCSL Z540-1:1994 (R2002) and ANSI/NCL Z540.3:2006 sub clause 5.3. Graftel's QA program meets the requirements of 10 CFR50 Appendix B, 10 CFR 50 Part 21 may be invoked. Graftel is in the NUPIC and NIAC databases as a supplier of Appendix B calibration services and safety related hardware.

Five standard orifice configurations offered. Custom configurations machined in our shop available quickly and without custom charges.

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



**Gas:** Air, nitrogen, oxygen, argon, helium, hydrogen, methane, propane, acetylene, ethane, (other pure gases and mixtures upon request)

**Vacuum:** 0 to 30 " Hg

**Pressure:** 0 to 2000 psig

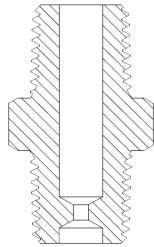
**Flow Rate:** 0.1 to 1500 slpm (0.0002 to 3200 scfh)



## STANDARD ORIFICE CONFIGURATIONS

Graftel offers five standard orifice configurations to accommodate a wide array of applications. Every calibrated orifice is fabricated per customer desired gas, pressure and flow rate specifications. Custom configurations available upon request.

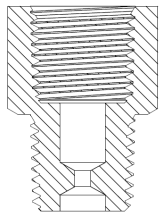
MODEL  
GT-B  
GT-E  
GT-V



**HEX NIPPLE**  
Body: 303 Stainless steel  
Threads: 1/8", 1/4" or 3/8" NPT  
Orifice Size .004" to .125" Dia.

MODEL	DIM.L	HEX	NPT
GT-B	.97"	7/16"	1/8"
GT-E	1.38"	9/16"	1/4"
GT-V	1.47"	11/16"	3/8"

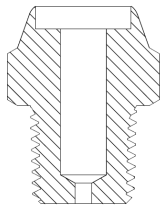
MODEL  
GT-D  
GT-G  
GT-VV  
GT-H



**ADAPTER**  
Body: 303 Stainless steel  
Threads: 1/8", 1/4", 3/8", 1/2" NPT  
Orifice Size .004" to .125" Dia.

MODEL	DIM.L	HEX	NPT
GT-D	.88"	9/16"	1/8"
GT-G	1.25"	3/4"	1/4"
GT-VV	1.52"	7/8"	3/8"
GT-H	1.69"	1-1/16"	1/2"

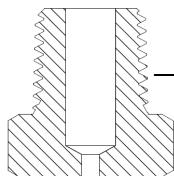
MODEL  
GT-BMM



**BLEEDPLUG**  
Body: 303 Stainless steel  
Threads: 1/8" NPT  
Orifice Size .004" to .125" Dia.

MODEL	DIM.L	HEX	NPT
GT-BMM	.675"	7/16"	1/8"

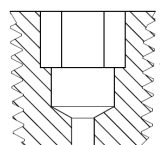
MODEL  
GT-BM  
GT-EM



**BLEEDPLUG**  
Body: 303 Stainless steel  
Threads: 1/8", 1/4" NPT  
Orifice Size .004" to .125" Dia.

MODEL	DIM.L	HEX	NPT
GT-BM	.580"	7/16"	1/8"
GT-EM	.800"	9/16"	1/4"

MODEL  
GT-EH  
GT-BH



**BLEEDPLUG**  
Body: 303 Stainless steel  
Threads: 1/8", 1/4" NPT  
Orifice Size .004" to .125" Dia.

MODEL	DIM.L	HEX	NPT
GT-EH	.30"	3/16"	1/8"
GT-BH	.46"	1/4"	1/4"