

Electrode Glands with Multi-Ceramic Insulators for High Pressures

Extreme **Pressure**, high **Sealability**, and high **Voltage** ratings over wider **Temperature** ranges

Suitable for steam, liquid and gas environments

Order ID	Size and Max. Number of Conductor*	Tube** Size T inch	Typical Body HEX Size inch	Pressure Range+ PSI	Sealability Helium Leakage+ cc/sec	Temperature Range °F
Tube Connectors						
EGM047(b)-x(a)-Q-z250-w	3/64" (1.2 mm) 2	1/4	1/2	Vacuum to 5000 (to 340 atm)	<2x10 ⁻⁸	-300 to +650 (-184 to 343°C)
EGM063(b)-x(a)-Q-z250-w	1/16" 2	1/4	1/2	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM047(b)-x(a)-Q-z500-w	3/64" 6	1/2	13/16	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM063(b)-x(a)-Q-z500-w	1/16" 4	1/2	13/16	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM093(b)-x(a)-Q-z500-w	3/32" 3	1/2	13/16	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM063(b)-x(a)-Q-z750-w	1/16" 6	3/4	1-1/16	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM093(b)-x(a)-Q-z750-w	3/32" 6	3/4	1-1/16	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM125(b)-x(a)-Q-z750-w	1/8" 4	3/4	1-1/16	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM063(b)-x(a)-Q-z1000-w	1/16" 8	1	1-3/8	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM093(b)-x(a)-Q-z1000-w	3/32" 6	1	1-3/8	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM125(b)-x(a)-Q-z1000-w	1/8" 6	1	1-3/8	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM250(b)-x(a)-Q-z1000-w	1/4" (6.35 mm) 3	1	1-3/8	Vacuum to 5000 (to 340 atm)	<2x10 ⁻⁸	-300 to +650 (-184 to 343°C)
Thread Connectors						
EGM047(b)-x(a)-Q-z250-w	3/64" (1.2 mm) 2	1/4	3/4	Vacuum to 5000 (to 340 atm)	<2x10 ⁻⁸	-300 to +650 (-184 to 343°C)
EGM063(b)-x(a)-Q-z250-w	1/16" 2	1/4	3/4	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM047(b)-x(a)-Q-z500-w	3/64" 6	1/2	1	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM063(b)-x(a)-Q-z500-w	1/16" 4	1/2	1	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM093(b)-x(a)-Q-z500-w	3/32" 3	1/2	1	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM063(b)-x(a)-Q-z750-w	1/16" 6	3/4	1-1/2	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM093(b)-x(a)-Q-z750-w	3/32" 6	3/4	1-1/2	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM125(b)-x(a)-Q-z750-w	1/8" 4	3/4	1-1/2	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650
EGM250(b)-x(a)-Q-z750-w	1/4" (6.35 mm) 2	3/4	1-1/2	Vacuum to 5000	<2x10 ⁻⁸	-300 to +650 (-184 to 343°C)

* Conductors are not included with standard products
 ** Standard tube connectors are Swagelok® type. Other types and metric size are available.
 + Determined at room temperature with factory assembled NPT glands.

Ordering Codes

x - Insulator	b- No. of	a - Length	Q - Queon™ Seal	z-Connection	w - Cap type
Al, Alumina	Electrodes	of bottom	Other ferro/seals	TF, Tube Fem.	A or omitted,
Zr, Zirconia	/Conductors	insulator	Available:	TM, Tube Male	Non-Conduit
Gl, Glass	see table for maximum	in inches	T, PTFE [#] ; P, PEEK ^{##} G, Grafoil [®] ; L, Lava	TW, Tube Weld NPT, NPT	B, Conduit

Example:
 EGM063(2)-Zr(4)-Q-TF250
 Two 0.063" conductors, Zirconia insulator 4" long, Queon seal, Female Tube connector 0.25" dia, Non-Conduit Cap
 EGM125(4)-Zr(2)-Q-NPT750-B
 Four 0.125" conductors, Zirconia insulator 2" long, Queon seal, Male NPT connector 3/4" dia, Conduit Cap

Ordering Components

Example:
 EGM063(2)-Zr(4)-Q-TF250-Seal: Seal for EGM063(2)-Zr(4)-Q-TF250
 EGM063(2)-Zr(4)-Q-TF250-Ins: Insulators & followers for EGM063(2)-Zr(4)-Q-TF250 (bottom and top pair)
 EGM063(2)-Zr(4)-Q-TF250-Ins/Seal: Insulators and Seal Package for EGM063(2)-Zr(4)-Q-TF250

TM Queon--Trademark of Corr Instruments [®] Grafoil--Registered trademark of UCAR Carbon Company
[®] Swagelok--Registered trademark of Swagelok Company Co.
[#] PTFE--Polytetrafluoroethylene ^{##} PEEK--Polyetheretherketone

