

# 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

Labels: Conductor, Ceramic Insulators with Metal Follower, Cap, Pin, Ferro/Sealant, Body, Ceramic Insulators with Metal Follower, a, T

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
<b>Tube Connectors</b>						
EGM047(b)-x(a)-Q-z250-w	3/64" (1.2 mm) 2	1/4	1/2	Vacuum to 5000 (to 340 atm)	<2x10 <sup>-8</sup>	-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 <sup>-8</sup>	-300 to +650
EGM047(b)-x(a)-Q-z500-w	3/64" 6	1/2	13/16	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM063(b)-x(a)-Q-z500-w	1/16" 4	1/2	13/16	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM093(b)-x(a)-Q-z500-w	3/32" 3	1/2	13/16	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM063(b)-x(a)-Q-z750-w	1/16" 6	3/4	1-1/16	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM093(b)-x(a)-Q-z750-w	3/32" 6	3/4	1-1/16	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM125(b)-x(a)-Q-z750-w	1/8" 4	3/4	1-1/16	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM063(b)-x(a)-Q-z1000-w	1/16" 8	1	1-3/8	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM093(b)-x(a)-Q-z1000-w	3/32" 6	1	1-3/8	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM125(b)-x(a)-Q-z1000-w	1/8" 6	1	1-3/8	Vacuum to 5000	<2x10 <sup>-8</sup>	-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 <sup>-8</sup>	-300 to +650 (-184 to 343°C)
<b>Thread Connectors</b>						
EGM047(b)-x(a)-Q-z250-w	3/64" (1.2 mm) 2	1/4	3/4	Vacuum to 5000 (to 340 atm)	<2x10 <sup>-8</sup>	-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 <sup>-8</sup>	-300 to +650
EGM047(b)-x(a)-Q-z500-w	3/64" 6	1/2	1	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM063(b)-x(a)-Q-z500-w	1/16" 4	1/2	1	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM093(b)-x(a)-Q-z500-w	3/32" 3	1/2	1	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM063(b)-x(a)-Q-z750-w	1/16" 6	3/4	1-1/2	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM093(b)-x(a)-Q-z750-w	3/32" 6	3/4	1-1/2	Vacuum to 5000	<2x10 <sup>-8</sup>	-300 to +650
EGM125(b)-x(a)-Q-z750-w	1/8" 4	3/4	1-1/2	Vacuum to 5000	<2x10 <sup>-8</sup>	-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 <sup>-8</sup>	-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**

<b>x - Insulator</b>	<b>b- No. of</b>	<b>a - Length</b>	<b>Q - Queon™ Seal</b>	<b>z-Connection</b>	<b>w - Cap type</b>
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	in inches	T, PTFE <sup>#</sup> ; P, PEEK <sup>##</sup>	TW, Tube Weld	B, Conduit
	for maximum		G, Grafoil <sup>®</sup> ; L, Lava	NPT, NPT	

**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

Labels: Cap for Conduit, Tube Connection Male, Thread Connection, a, T

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<sup>TM</sup> Queon--Trademark of Corr Instruments      <sup>®</sup> Grafoil--Registered trademark of UCAR Carbon Company  
<sup>®</sup> Swagelok--Registered trademark of Swagelok Company Co.  
<sup>#</sup> PTFE--Polytetrafluoroethylene      <sup>##</sup> PEEK--Polyetheretherketone