



## Ventilation Glands for Ex e Applications

### Ex e Ventilation Gland

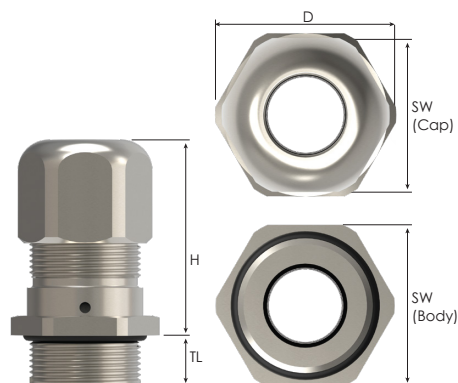
- Balances pressure differences between inside and outside of enclosure.
- Prevents damages, such as condensation due to pressure differences.
- Cable gland and pressure balance element combined in one product.
- Properties of ventilation membrane stay the same independent of cable diameter and torque.
- Membrane properties: hydrophobic, oleophobic.
- For hazardous applications in harsh environments.
- Easy assembly.
- High quality strain relief and sealing, reliable performance for hazardous applications.
- Up-to-date international approvals.

Technical Details		
<b>Material</b>	<b>Body and Cap</b> Brass Nickel Plated, Stainless Steel 316L <b>Seal</b> CR (Chloroprene) <b>Vent. Membrane</b> PTFE and TPE <b>O-Ring</b> CR (Chloroprene)	
<b>Ingress Protection Rating</b>	IP 66, IP67, IP68 0,1 Bar	
<b>Operating Temperature</b>	<b>Seal Material</b> Silicone <b>Ex e/tb</b> -40°C to +80°C	
<b>Equipment For</b>	• Gas & Dust potentially explosive atmospheres.	
<b>Suitable for use in</b>	Group II Gas Group IIC ZONE1/ZONE2 Group III Dust Group IIIC ZONE21/ZONE 22	
<b>Equipment Marking</b>	Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db IP66/67/68 0,1 Bar	
<b>Marking Example *</b>	BMD EBVG... CE 0722 Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db Ta -40°C to +80°C IP66/67/68 0,1 Bar UL 20 ATEX 2330X IECEx ULD 20.0006X	
<b>Type Protection</b>	Ex eb ; Ex tb	
<b>Thread Type</b>	• Metric (M) ISO Pitch 1,5 • Npt (N) ANSI ASME B1.20.1 • Other thread types are available upon request.	
<b>Accessories</b>	• Lock Nut • Gasket • Serrated Washer • Earth Tag	
<b>Remarks</b>	• O-ring available in Metric threads. • All accessories must be ordered separately.	
Approvals	Certificate Number	Standards
	UL 20 ATEX 2330X	EN IEC 60079-0 EN IEC 60079-7 EN 60079-31
	IECEx ULD 20.0006X	IEC 60079-0 IEC 60079-31 IEC 60079-7



Order Coding							
Part Number	Material	Seal	-	Gasket (Washer)	Serrated Washer	Lock Nut	Earth Tag
Mandatory	Mandatory	Mandatory	-	Option	Option	Option	Option
See table	BN Brass nickel plated X Stainless steel 316L	C Chloroprene	-	WC Chloroprene WF Fiber	WSR Serrated washer	L Lock nut	E Earth tag
Example							
EBVG1M	BN	C	-	WC	WSR	L	E

# FORNAX Ventilation Glands for Ex e Applications



Thread Type <b>METRIC</b> acc. to EN 60423									
Outer Thread Size (Male)	Clamping Range Ø min-max mm	Average Air Flow for $\Delta P = 70$ mbar l/h	Water Intrusion Pressure bar	Outer Thread Length TL mm	Spanner Width		Outer Ø D mm	max. Height H mm	Part Number
					SW Cap mm	SW Body mm			
M20x1,5	5,0 – 11,0	20	0,1	9,0	22	24	26,5	37	EBVG1M

Thread Type <b>NPT</b> acc. to ANSI ASME B1.20.1									
Outer Thread Size (Male)	Clamping Range Ø min-max mm	Average Air Flow for $\Delta P = 70$ mbar l/h	Water Intrusion Pressure bar	Outer Thread Length TL mm	Spanner Width		Outer Ø D mm	max. Height H mm	Part Number
					SW Cap mm	SW Body mm			
NPT 1/2"	5,0 – 11,0	20	0,1	19,85	22	24	26,5	37	EBVG1N