



EMC Ventilation Glands for Ex e Applications

Ex e EMC Ventilation Gland

- Balances pressure differences between inside and outside of enclosure.
- Prevents damages, such as condensation due to pressure differences.
- Specially designed EMC protective cable glands.
- Long-lasting contact by high definition contact spring.
- 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

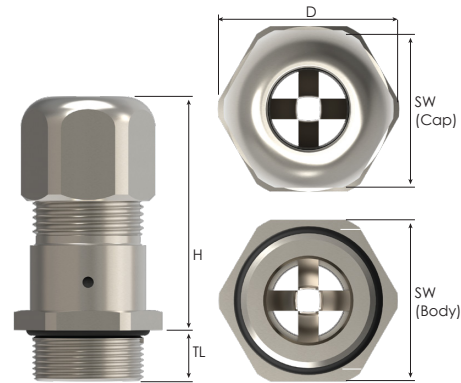
Body and Cap	Brass Nickel Plated, Stainless Steel 316L		
Seal	CR (Chloroprene)		
Material	Vent. Membrane	PTFE and TPE	
	Contact Spring	Special Copper Alloy	
O-Ring	CR (Chloroprene)		
Ingress Protection Rating	IP 66, IP67, IP68 0,1 Bar		
Operating Temperature	Seal Material	Silicone	
	Ex e/tb	-40°C to +80°C	
Equipment For	• Gas & Dust potentially explosive atmospheres.		
Suitable for use in	Group II	Gas Group IIC	ZONE1 /ZONE2
	Group III	Dust Group IIIC	ZONE21 /ZONE 22
Equipment Marking	Ex II 2GD Ex eb IIC Gb Ex tb IIIC Db IP66/67/68 0,1 Bar		
	BMD EBVEG... 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		
Marking Example *			
Type Protection	Ex eb ; Ex tb		
Thread Type	• Metric (M) ISO Pitch 1,5		
	• Npt (N) ANSI ASME B1.20.1		
Accessories	• Other thread types are available upon request.		
	• Lock Nut • Gasket • Serrated Washer • Earth Tag		
Remarks	• 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							
EBVEG1M	BN	C	-	WC	WSR	L	E

FORNAX EMC EMC Ventilation Glands for Ex e Applications



Thread Type METRIC acc. to EN 60423										
Outer Thread Size (Male)	Clamping Range	Shield Diameter	Average Air Flow for $\Delta P = 70$ mbar	Water Intrusion Pressure	Outer Thread Length	Spanner Width		Outer \varnothing	max. Height	Part Number
	\varnothing min-max mm	\varnothing min-max mm	l/h	bar	TL mm	SW Cap mm	SW Body mm	D mm	H mm	
M20x1,5	5,0 – 11,0	4,0 – 9,0	20	0,1	9,0	22	24	26,5	43,5	EBVEG1M

Thread Type NPT acc. to ANSI ASME B1.20.1										
Outer Thread Size (Male)	Clamping Range	Shield Diameter	Average Air Flow for $\Delta P = 70$ mbar	Water Intrusion Pressure	Outer Thread Length	Spanner Width		Outer \varnothing	max. Height	Part Number
	\varnothing min-max mm	\varnothing min-max mm	l/h	bar	TL mm	SW Cap mm	SW Body mm	D mm	H mm	
NPT 1/2"	5,0 – 11,0	4-9	20	0,1	19,85	22	24	26,5	37	EBVEG1N