

PRESSURE BALANCE ELEMENTS for Industrial Application



Ventilation Glands

Ventilation Glands Polyamide



Cable glands with integrated ventilation

- Balances pressure differences between inner housing and the outside environment.
- Prevents damages according to pressure differences.
- Prevents the formation of water condensation in tightly-sealed standard housings.
- Advantages of cable gland and pressure balance element combined in one product.
- Properties of the ventilation membrane stay the same independent of cable diameter and torque.
- Membrane properties: hydrophobic, oleophobic.
- Easy assembly: install cable gland - insert cable - tighten cap.
- High quality strain relief and sealing, reliable performance for standard industrial applications.
- Up-to-date international approvals.

Technical Details

Material	Body	PA 6 (Polyamide 6)	
	Cap	PA 6 (Polyamide 6)	
	Seal	CR (Chloroprene Rubber)	
	Vent Membran	PTFE	
	O-Ring	NBR	
Protection Class	IP 66 - IP 67		
Flammability	V2 according to UL94		
Operating Temperature	Permanent	-20 °C to +100 °C	Intermittent
			-30 °C to +150 °C
Cable Type	Non armoured		
Accessories	<ul style="list-style-type: none"> • Lock nuts • Dome plugs • Gaskets 		
Thread Type	<ul style="list-style-type: none"> • Metric EN 64423 • Pg DIN 40430 • Other thread types also available upon request. 		
Remarks	<ul style="list-style-type: none"> • Manufactured according to DIN EN 62444/50262. • We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • Some approvals do not cover all colours or sizes. <p>Note: Applications of most cable glands don't require same parameters applied to tests. For applications strictly acc. to the approval definitions please consult data sheet.</p>		

Approvals

	Certificate Number	Standards
	40040032	acc. to DIN EN 62444
	E199260	acc. to UL514

Some approvals do not cover all sizes or colors. For more approvals: see our webpage.



Ventilation Glands Polyamide



Thread Type **METRIC** acc. to EN 60423

Size	Clamping Range Ø min-max mm	Thread Length TL mm	Thread Ø TD mm	Spanner Width		Outer Ø D mm	max. Height H mm	Average Air Flow for ΔP = 70 mbar l/h	Water Intrusion Pressure bar	Part Number			Packing Unit
				SW Cap mm	SW Body mm					RAL 7035 light grey	RAL 7001 grey	RAL 9005 black	
M12x1,5	4,0 - 8,0	8,0	12,0	19	19	21,9	25,5	25	0,1	BMVG-1S	BMVG-0S	BMVG-2S	100
M16x1,5	4,0 - 8,0	10,0	16,0	19	19	21,9	25,5	25	0,1	BMVG-11	BMVG-01	BMVG-21	50
M20x1,5	6,0 - 12,0	10,0	20,0	24	24	27,7	30,0	40	0,1	BMVG-12	BMVG-02	BMVG-22	50

Thread Type **PG** acc. to DIN 40430

Size	Clamping Range Ø min-max mm	Thread Length TL mm	Thread Ø TD mm	Spanner Width		Outer Ø D mm	max. Height H mm	Average Air Flow for ΔP = 70 mbar l/h	Water Intrusion Pressure bar	Part Number			Packing Unit
				SW Cap mm	SW Body mm					RAL 7035 light grey	RAL 7001 grey	RAL 9005 black	
PG 9	4,0 - 8,0	8,0	15,2	19	19	21,9	25,5	25	0,1	BSVG-12	BSVG-02	BSVG-22	50
PG 11	4,0 - 8,0	8,0	18,6	22	19	24,9	25,0	25	0,1	BSVG-13	BSVG-03	BSVG-23	50
PG 13,5	6,0 - 12,0	10,0	20,4	24	24	27,7	30,0	40	0,1	BSVG-14	BSVG-04	BSVG-24	50

Ventilation Glands Brass



Cable glands with integrated ventilation

- Balances pressure differences between inner housing and the outside environment.
- Prevents damages according to pressure differences.
- Prevents the formation of water condensation in tightly-sealed standard housings.
- Advantages of cable gland and pressure balance element combined in one product.
- Properties of the ventilation membrane stay the same independent of cable diameter and torque.
- Membrane properties: hydrophobic, oleophobic.
- For metal machines and housings.
- For industrial applications in harsh environments.
- Easy assembly: install cable gland - insert cable - tighten cap.
- High quality strain relief and sealing, reliable performance for standard industrial applications.
- Up-to-date international approvals.

Technical Details

Material	Body	Brass, Nickel plated	
	Cap	Brass, Nickel plated	
	Seal	CR (Chloroprene Rubber)	
	Clamp. Insert	PA 6 (Polyamide 6)	
	Vent Membran	PTFE	
	O-Ring	NBR	
Protection Class	IP 66 - IP 67		
Flammability	V2 according to UL94		
Operating Temperature	Permanent	-20 °C to +100 °C	Intermittent
			-30 °C to +150 °C
Cable Type	Non armoured		
Accessories	<ul style="list-style-type: none"> • Lock nuts • Dome plugs • Gaskets 		
Thread Type	<ul style="list-style-type: none"> • Metric EN 64423 • Pg DIN 40430 • Other thread types also available upon request. 		
Remarks	<ul style="list-style-type: none"> • Manufactured according to DIN EN 62444/50262. • We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes. • Some approvals do not cover all sizes. <p>Note: Applications of most cable glands don't require same parameters applied to tests. For applications strictly acc. to the approval definitions please consult data sheet.</p>		

Approvals

	Certificate Number	Standards
	40040032	acc. to DIN EN 62444
	E199260	acc. to UL514

Some approvals do not cover all sizes. For more approvals: see our webpage.



Ventilation Glands Brass



Thread Type **METRIC** acc. to EN 60423

Size	Clamping Range Ø min-max mm	Thread Length TL mm	Thread Ø TD mm	Spanner Width		Outer Ø D mm	max. Height H mm	Average Air Flow for ΔP = 70 mbar l/h	Water Intrusion Pressure bar	Part Number	Packing Unit
				SW Cap mm	SW Body mm						
M12x1,5	2,0 - 6,0	6,0	12,0	17	17	18,8	30,5	25	0,1	BMBDVG-05	50
	4,0 - 8,0									BMBCVG-05	
M16x1,5	2,0 - 6,0	5,0	16,0	17	17	18,8	27,0	25	0,1	BMBDVG-01	50
	3,0 - 7,0	8,0		20	20	22,0	32,0	35		BMBDVG-01L	
	4,0 - 8,0	5,0		17	17	18,8	27,0	25		BMBCVG-01	
	5,0 - 10,0	8,0		20	20	22,0	32,0	35		BMBCVG-01L	
	5,0 - 9,0	8,0		20,0	22	22	24,5	28,0		50	
6,0 - 12,0	BMBCVG-02										

Thread Type **PG** acc. to DIN 40430

Size	Clamping Range Ø min-max mm	Thread Length TL mm	Thread Ø TD mm	Spanner Width		Outer Ø D mm	max. Height H mm	Average Air Flow for ΔP = 70 mbar l/h	Water Intrusion Pressure bar	Part Number	Packing Unit
				SW Cap mm	SW Body mm						
PG 7	2,0 - 6,0	8,0	12,5	17	17	18,8	30,5	25	0,1	BSBDVG-01	50
	4,0 - 8,0									BSBCVG-01	
PG 9	2,0 - 6,0	6,0	15,2	17	17	18,8	27,0	25	0,1	BSBDVG-02	50
	4,0 - 8,0									BSBCVG-02	
PG 11	3,0 - 7,0	8,0	18,6	20	20	22,0	32,0	35	0,1	BSBDVG-03	50
	5,0 - 10,0									BSBCVG-03	
PG 13,5	5,0 - 9,0	6,5	20,4	22	22	24,5	28,0	50	0,1	BSBDVG-04	50
	6,0 - 12,0									BSBCVG-04	

PRESSURE BALANCE ELEMENTS for Industrial Application

Car Head Lamps



Led Lighting & wall washer Lighting



Control Cabinets



Outdoor lighting





Power supply



Solar Panels



Further Accessories for Ventilation Glands & Plugs

Dome Plugs	
	74
Gaskets	
	80