

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> | | |

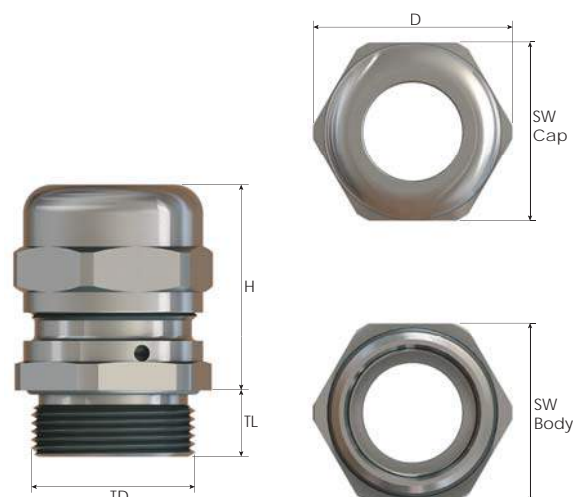
Approvals

| | 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.



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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 | |