


# Ventilation Plugs Metal

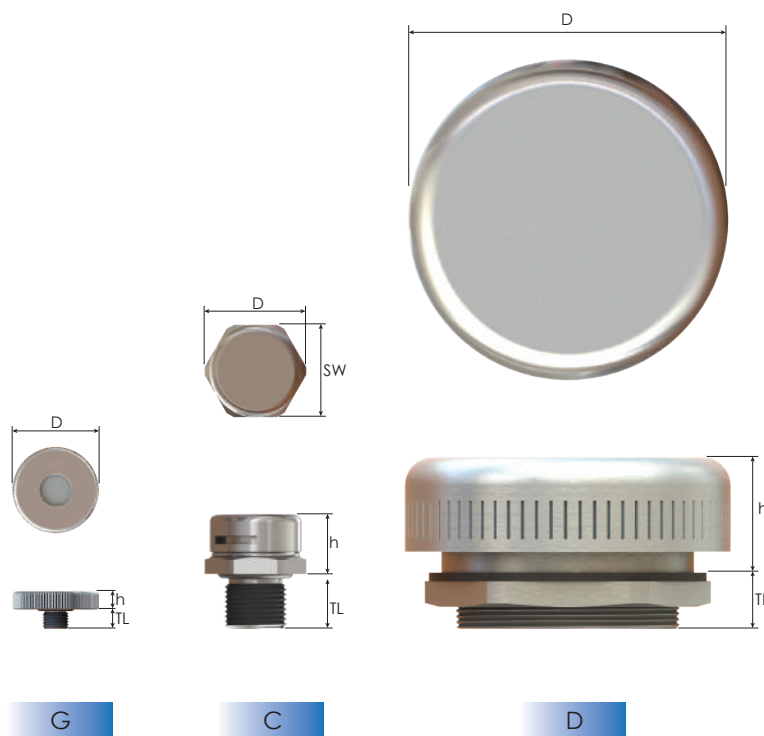
## Ventilation plugs for pressure balancing

- Balances pressure differences between inside and outside of enclosure.
- Prevents damages, such as condensation due to pressure differences.
- Membrane properties: hydrophobic, oleophobic.
- For industrial applications in harsh environments.

### Technical Details

Material	Vent. Plug	Stainless steel, Aluminium	
	Vent. Membran	Acrylic copolymer on nylon-support	
	O-Ring	NBR	
Ingress Protection Rating	IP 68 / IP 67 (for water intrusion pressure 0.1 bar)		
Operating Temperature	Permanent	-20 °C to +100 °C	
	Intermittent	-30 °C to +150 °C	
Thread Type	<ul style="list-style-type: none"> <li>• Metric EN 60423</li> <li>• PG DIN 40430</li> <li>• Other thread types also available upon request.</li> </ul>		
Accessories	<ul style="list-style-type: none"> <li>• Lock nuts</li> <li>• Gaskets (Washers)</li> </ul>		
Remarks	<ul style="list-style-type: none"> <li>• We recommend the use of lock nuts and gaskets to ensure IP rating for rough surfaces or through holes.</li> <li>• O-ring available all products except D-type M40.</li> <li>• Accessories must be ordered separately.</li> <li>• Some approvals do not cover all sizes.</li> </ul>		
Approvals	Certificate Number	Standards	
  <b>TYPE 4x</b>	E350312	UL514B CSA22.2 No 18.3-12 CSA22.2 No 94.2-1S	
		UL50E	

For more approvals: see our webpage.



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## Thread Type **METRIC** acc. to EN 60423 (Stainless Steel)

Size	Average Air Flow for $\Delta P = 70$ mbar	Water Intrusion Pressure	Outer Thread Length	Spanner Width	Outer $\varnothing$	Height	Design Type	Part Number	Minimum Order Quantity
	l/h	bar	TL mm	SW mm	D mm	h mm			
M12x1,0	16	0,9	10,0	17	18,8	11,0	C	SBBVP-01S	1000
	25	0,5	10,0	17	18,8	11,0	C	MBBVP-01S	1000
	120	0,2	10,0	17	18,8	11,0	C	HBBVP-01S	1000
	300	0,1	10,0	17	18,8	11,0	C	UHBBVP-01S	1000
M12x1,5	16	0,9	6,0	17	18,8	11,0	C	SBBVP-01	1000
	16	0,9	10,0	17	18,8	11,0	C	SBBVP-01L	1000
	25	0,5	6,0	17	18,8	11,0	C	MBBVP-01	1000
	25	0,5	10,0	17	18,8	11,0	C	MBBVP-01L	1000
	120	0,2	6,0	17	18,8	11,0	C	HBBVP-01	1000
	120	0,2	10,0	17	18,8	11,0	C	HBBVP-01L	1000
	300	0,1	6,0	17	18,8	11,0	C	UHBBVP-01	1000
	300	0,1	10,0	17	18,8	11,0	C	UHBBVP-01L	1000
M16x1,5	16	0,9	6,0	18	20,0	12,0	C	SBBVP-02	900
	16	0,9	6,0	18	20,0	16,0	C	SBBVP-02L	900
	25	0,5	6,0	18	20,0	12,0	C	MBBVP-02	900
	25	0,5	6,0	18	20,0	16,0	C	MBBVP-02L	900
	120	0,2	6,0	18	20,0	12,0	C	HBBVP-02	900
	120	0,2	6,0	18	20,0	16,0	C	HBBVP-02L	900
	300	0,1	6,0	18	20,0	12,0	C	UHBBVP-02	900
	300	0,1	6,0	18	20,0	16,0	C	UHBBVP-02L	900
M20x1,5	16	0,9	6,0	22	24,5	13,0	C	SBBVP-03	500
	16	0,9	6,0	22	24,5	17,0	C	SBBVP-03L	500
	25	0,5	6,0	22	24,5	13,0	C	MBBVP-03	500
	25	0,5	6,0	22	24,5	17,0	C	MBBVP-03L	500
	120	0,2	6,0	22	24,5	13,0	C	HBBVP-03	500
	120	0,2	6,0	22	24,5	17,0	C	HBBVP-03L	500
	300	0,1	6,0	22	24,5	13,0	C	UHBBVP-03	500
	300	0,1	6,0	22	24,5	17,0	C	UHBBVP-03L	500
M40x1,5	120	0,9	10,0	-	58,0	20,5	D	SBBVPX-05	100
	375	0,5	10,0	-	58,0	20,5	D	MBBVPX-05	100
	1350	0,2	10,0	-	58,0	20,5	D	HBBVPX-05	100
	2200	0,1	10,0	-	58,0	20,5	D	UHBBVPX-05	100

## Thread Type **METRIC** acc. to EN 60423 (Aluminium)

Size	Average Air Flow for $\Delta P = 70$ mbar	Water Intrusion Pressure	Outer Thread Length	Spanner Width	Outer $\varnothing$	Height	Design Type	Part Number	Minimum Order Quantity
	l/h	bar	TL mm	SW mm	D mm	h mm			
M4x0,7	4	0,9	3	-	12,3	2,7	G	SBAVP-01	1000
	7	0,5	3	-	12,3	2,7	G	MBAVP-01	1000
	35	0,2	3	-	12,3	2,7	G	HBAVP-01	1000
	100	0,1	3	-	12,3	2,7	G	UHBAVP-01	1000
M8x0,75	4	0,9	8	-	12,3	2,7	G	SBAVP-02	1000
	7	0,5	8	-	12,3	2,7	G	MBAVP-02	1000
	35	0,2	8	-	12,3	2,7	G	HBAVP-02	1000
	100	0,1	8	-	12,3	2,7	G	UHBAVP-02	1000

## Thread Type **PG** acc. to DIN 40430 (Stainless Steel)

Size	Average Air Flow for $\Delta P = 70$ mbar	Water Intrusion Pressure	Outer Thread Length	Spanner Width	Outer $\varnothing$	Height	Design Type	Part Number	Minimum Order Quantity
	l/h	bar	TL mm	SW mm	D mm	h mm			
PG 7	16	0,9	10,5	17	18,8	11,0	C	SBBVP-0S	1000
	25	0,5	10,5	17	18,8	11,0	C	MBBVP-0S	1000
	120	0,2	10,5	17	18,8	11,0	C	HBBVP-0S	1000
	300	0,1	10,5	17	18,8	11,0	C	UHBBVP-0S	1000
PG 9	16	0,9	6,0	19	21,0	12,0	C	SBBVPP-02	1000
	25	0,5	6,0	19	21,0	12,0	C	MBBVPP-02	1000
	120	0,2	6,0	19	21,0	12,0	C	HBBVPP-02	1000
	300	0,1	6,0	19	21,0	12,0	C	UHBBVPP-02	1000