



INDUSTRIAL ENCLOSURE SOLUTIONS

comercial@delvalle.es | www.delvallebox.com

# VENTILATION PLUGS

IP68





## WE PUT AT YOUR DISPOSAL

We offer over **50 years** providing solutions to demanding customers who require very specific characteristics and behaviour according to the sector and their needs.

## WHEREVER YOU GO

We are committed to working closely with our customers, providing them with **exceptional service** and offering an advanced and extensive range of products with very competitive prices.

## HIGH STANDARD OF QUALITY AND SERVICES

We only use materials provided by companies who offer the very **highest quality**, suitable and certified products. Our success is due to top quality assurance: ISO 9001, SGS, UL, TÜV, ISO 14000 and Ohsas 18001.

## CUSTOMIZE TOTALLY YOUR ENCLOSURE

Our production systems can give custom-made solutions **on demand**. Every colour from RAL chart is available to be personalized. A variety of protection standards thanks to our own painting facilities.



**100%**  
*Entirely designed  
and manufactured  
in Europe*

## CONTACT US

Confidentiality, reliability & quality

[www.delvallebox.com](http://www.delvallebox.com)  
[comercial@delvalle.es](mailto:comercial@delvalle.es)  
+34 945 601 381

ALSO ONLINE

Please contact our technical sales department

A team of professionals with high experience and ability to solve all your queries



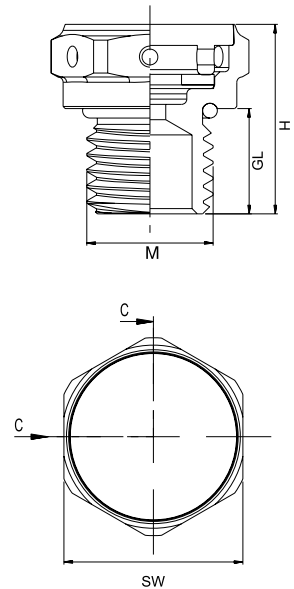
# VENTILATION PLUGS

IP68

Ventilation plugs; (polyamide, nickel plated and stainless steel) reduce the adverse effects of humidity in the environment circulation by preventing pressure increase inside the enclosure and limiting temperature increase through air:



- Material:
  - Polyamide PA6
  - Nickel-plated brass
  - Stainless steel AISI 303L
- Sealing ring: NBR
- Membrane: Hydrophobic-Oleophobic
- Lock nut included
- ULtraviolet (UV) resistance
- Protection: IP68
- Temperature resistance: -40°C +105°C
- Application area:
  - Automation technology
  - Wind-solar energy
  - Industrial
  - Equipment
- Benefits:
  - Pressure compensating seal prevents build up of pressure inside of electronic enclosure due to enviromental temperature cycling.
  - It extends the life time on complete system with it's basic feature.
  - Prevents the enclosures against corrosion.



REFERENCES VENTILATION PLUG

REFERENCES	MATERIAL	SIZE	H (mm)	GL (mm)	 (mm)	THREAD DIAMETER (mm)	HOLE DIAMETER (mm)	AVERAGE AIR FLOW (l/h)	WATER INTRUSION (mbar)	 MINIMUM
MVVAC02	Polyamide PA6	M12x1,5	15	6	18	12	12,3	150	0,2	100
MVVAC02L	Polyamide PA6	M12x1,5	19	10	18	12	12,3	150	0,2	100
MVVAC03	Nickel-plated brass	M12x1,5	14	6	17	12	12,3	150	0,5	50
MVVAC03L	Nickel-plated brass	M12x1,5	18	10	17	12	12,3	150	0,5	50
MVVAC01	Stainless steel AISI303L	M12x1,5	14	6	17	12	12,3	150	0,8	30
MVVAC01L	Stainless steel AISI303L	M12x1,5	18	10	17	12	12,3	150	0,8	30



# OTHER ELEMENTS OF VENTILATION AND CLIMATE CONTROL

DELVALLE, EXPERTS IN VENTILATION AND CLIMATE CONTROL

*One solution for every need. Our engineers equipment will find the best climate control installation and get a better performance and greater energy and cost savings*



AIR  
CONDITIONERS



THERMOELECTRIC  
COOLERS

## TEMPERATURE CONTROL



FILTER FANS



RESISTANCE HEATERS

## CUSTOMIZED ENCLOSURE SOLUTIONS DELVALLE

*Delvalle has more than 50 years of experience using the latest technology to implement and obtain the most innovative products on offer to all our customers. Delvalle is an ideal partner, combining an advanced and wide range of products at very competitive prices.*

*The customized manufacture of all electrical enclosures and cabinets Delvallebox is carry out with the most advanced technical methods and with the precision and consciousness of a craftsman. This makes the difference from competitors and is the best way to gain our customers' trust.*

*In Delvallebox we bear in mind that customers perceive the quality very clearly. In every product (for instance, in the cabinets here presented) safety and useful solutions are what customers value most.*



STAINLESS STEEL  
INDUSTRIAL ENCLOSURES



OUTDOOR ELECTRICAL  
ENCLOSURES



GLOBAL ELECTRICAL  
SOLUTIONS FOR URBAN AREAS



GALVANIZED STEEL  
ELECTRICAL ENCLOSURES

## ATEX INDUSTRIAL ENCLOSURES



SLOPED ROOF  
ENCLOSURES - HYGIENIC



## INDUSTRIAL ENCLOSURES IP66, IP67, IP68 AND IP69K

Buy direct from manufacturer of custom made IP66, IP67, IP68 and IP69K heavy duty industrial and waterproof electrical enclosures AISI 304L and 316L made by standard IEC 60529. Delvalle has tested all sizes and dimensions of waterproof enclosures according to EN 60529:2018. All weather resistant enclosures are more than simply rainproof, they meet a minimum of Nema 4X and IP66, IP67, IP68 and IP69k requirements to ensure your electronics are protected. From Junction boxes to industrial enclosures, Delvalle weatherproof enclosures offer a wide range of sizes and styles to keep your project waterproof.

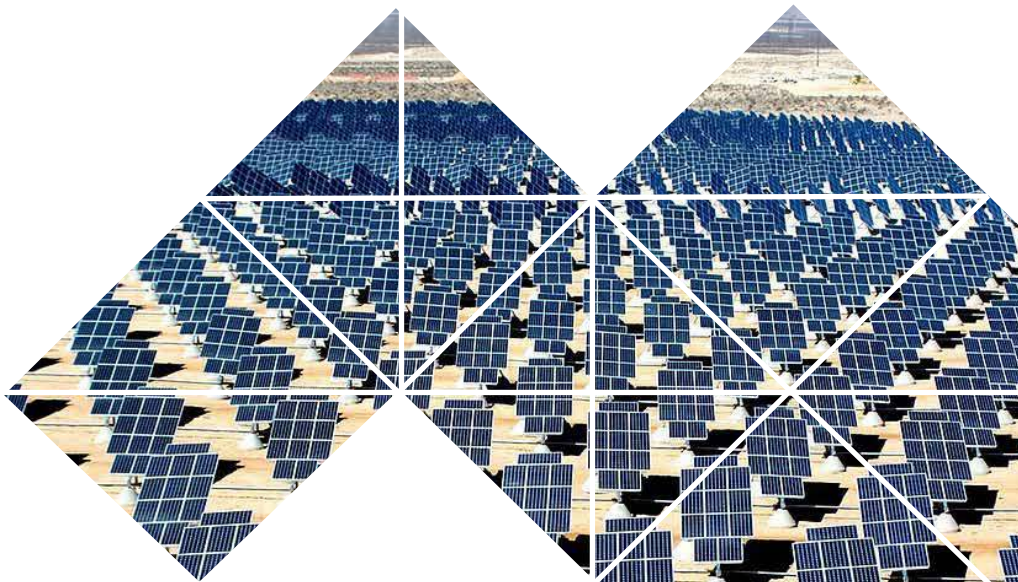


## CLIMATE CONTROL COOLING FOR ENCLOSURES



CABLE GLANDS FOR  
ELECTRICAL ENCLOSURES





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**Contact us, we will be available at any time**

