



PRODUCT SPECIFICATION

产品规格书



Part Name / 产品型号	Plastic Thread Waterproof Air Permeability Valve
Customer / 客户名称	
Voir P/N / 沃瑞编码	VV-PO/FVM12022-B1/2/30B
Customer P/N / 客户料号	
Issue Date / 发布日期	2018-06-06

制作/Prepared	审核/Checked	批准/Approval
Customer Approve / 客户核准		
确定/Decked	审核/Checked	批准/Approval

Plastic Thread Waterproof Air Permeability Valve

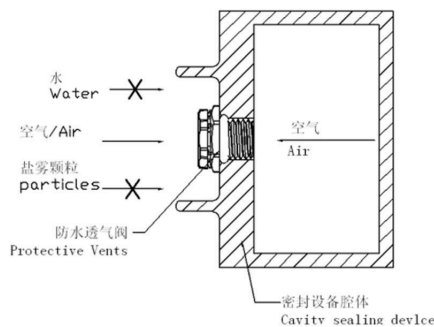
Product Component	
Body material	PC+e-PTFE
Membrane	e-PTFE
Product Performance	
Air FlowA/P	≥1100ml/min ; $\Delta p=7Kpa$
Water Entry Pressure WEP	40Kpa
Temperature Range	-40 -125 °C
Specification	M12×1.5
IP Rate	IP68



The Main Function of Outdoor Equipment:

- High air permeability can reduce the pressure of the seal strip by balancing the pressure.
- The water-oil-repellent expanded polytetrafluoroethylene (e-PTFE) membrane penetrates into the polyacrylamide plastic case, and has the characteristics of inertia, monotony, and ultraviolet resistance.
- Screw-in housing is equipped with silicon sealing ring, and the groove of the housing makes it airtight with the application products, simple and safe.
- Effectively reduce the fog and condensation in extreme environments long service life and trouble-free maintenance, expanded polytetrafluoroethylene (e-PTFE) membrane can prevent salt crystal and water vapor.

Applied Schematic Diagram



Application:

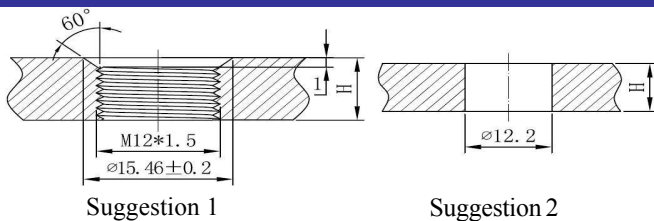
Industrial vacuum cleaners and other packaging containers; In the field of chemicals、 Bleaching agent、 Household appliances、 LED、 communication equipment、 solar energy equipment and automobile electronics, etc. This product is forbidden to be used in the application environment of strong corrosion, strong acid and alkali.

The M12*1.5 series code preview table is shown below:

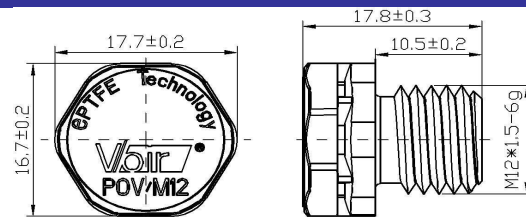
Code	Feature
VV-POVM12022-B10B	O-ring/Grey
VV-POVM12022-B20B	O-ring/White
VV-POVM12022-B30B	O-ring/Black

Code	Feature
VV-PFVM12022-B10B	flat washer/Grey
VV-PFVM12022-B20B	flat washer/White
VV-PFVM12022-B30B	flat washer/Black

Installation Proposal



Dimension drawing



Installation Suggestion Reference:

Note :H- is the wall thickness of the installation shell. Units: mm;It is recommended to install torque value :0.7~1.0 N,m, and limit the torque value:2.5-4.3N.m

一、 When the shell wall thickness $H \leq 3mm$, it is recommended to open the type of straight hole and install it with nuts. The hole diameter is $\phi 12.2 \pm 0.1mm$; Use with sealing flat pad(Suggestion 2).

二、 When the shell wall thickness $H > 3mm$, it is recommended to open the threaded hole specification :M12 ×1.5 with the sealing o-ring screwing in(Suggestion 1).

Customization: Voir technology can assist customers with engineering technology in customizing solutions for size, color and performance of waterproof and breathable parts. For more information, please contact Voir technology.