



Technical Data Sheet

产品规格书

Part Name / 产品型号	Aluminum Screw Breather Valve
Customer / 客户名称	
Voir P/N / 沃瑞编码	VV-MOAM12P3A-B00
Customer P/N / 客户料号	
Issue Date / 发布日期	2015-12-15

Checked / 审核	Prepared / 制作
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Customer Approve / 客户核准	
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Aluminum Screw Breather Valve

Component	
Body Material	Alloy Aluminum
Membrane	e-PTFE
Parameters	
Airflow	2.8L/min; $\Delta p=70\text{mbar}$
WEP	>-40Kpa
Temperature Range	-40 -125 °C
Specification	M12×1.5
Benefit for Outdoor Equipment	



Part NO.# VV-MOAM12P3A-B00

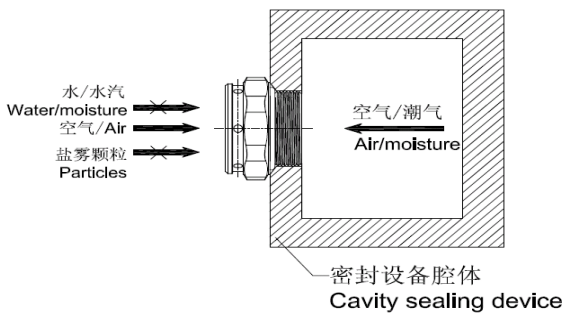
MOAM12 is a aluminum screw-in protective breather valve with e-PTFE membrane inserted inside. It is high temperature resisting and not easy to get oxidized, which makes it widely used. After WEP test, IP67 is confirmed

Application:

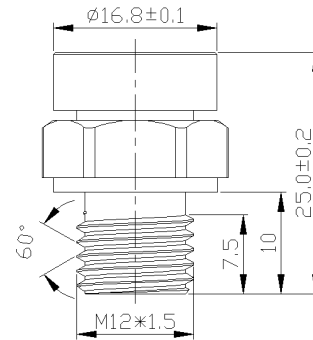
Applicable for military gear, transmission system, outdoor communication equipment and any other outdoor equipment that need to be waterproof and vent.

- Vent in high airflow to balance the pressure between outside and inside of the enclosure and lower down the strain for the housing
- Inserting the oleophobic and hydrophobic membrane into the PP body to make it chemically inert and UV resistant.
- It is easy to install which is just to screw into the housing, and with the silica sealing ring at the opening to make sure the air tightness
- Evidently reduces fog and condensation
- The e-PTFE membrane can stop the salt crystal and vapor permeability to make it a long service life and free from breakdown or maintenance even under harsh working environment

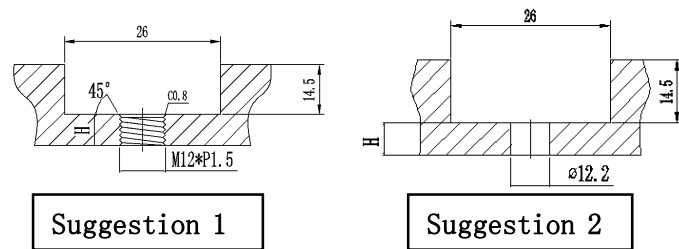
Practical Principle



Detailed Spec.



Installation Suggestion



Specification

Part NO.	Material	Diameter/mm	Protective Level
VV-MOAM12P3A-B00	A6063+e-PTFE	Screw Length 8.5mm Total High: 25.0±0.2	A/P: 2.8L/min @70mbar WIP: >-12kpa

1. When the housing thickness is $>3\text{mm}$, it suggest drilling M12*1.5mm threaded hole and use silicone O-ring to seal the entrance. Please refer to Suggestion 1.

2. When the housing thickness is $\leq 3\text{mm}$, it is suggest drilling $\phi 12.2 \pm 0.1\text{mm}$ straight hole and lock with nut. Flat silicone ring would seal the entrance. Please refer to Suggestion 2.

Customization: Voir Tech's protective vents can be customized to match your products in spec., color, property and even provide specific solution. For more information, please contact us.

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