

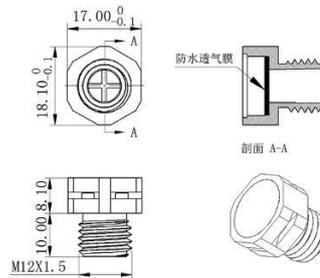
Product Technical Data Sheet

产品技术参数表

PRODUCT NAME 产品名称: Screw-In Vent Valve
螺纹式防水透气阀

PRODUCT MODEL 产品型号: XINXIA-LWVV_M12*1.5-10

PRODUCT DIAGRAM 产品示意图:



MEMBRANE MODEL 膜型号: XINXIA-TB20WO-E

Product Properties 产品特性:

PHYSICAL PROPERTIES 物理特性	REFERED TEST STANDARD 参考测试标准	UNIT 单位	TYPICAL DATA 典型值
Thread SPEC 螺纹规格 (公制)	/	/	M12*1.5-10
Valve Color 阀体颜色	/	/	Black/White/Gray 黑/白/灰
Valve Material 阀体材质	/	/	Nylon PA66 尼龙 66
Seal ring Material 密封圈材质	/	/	Silicone Rubber 硅橡胶
Membrane Construction 防水透气膜结构	/	/	PTFE/PET non-woven 聚四氟乙烯/聚酯无纺布
Membrane Surface Property 防水透气膜表面特性	/	/	Oleophobic & Hydrophobic 防油&防水
Typical Air Flow Rate 透气性	ASTM D737 (测试面积: 1 cm ²)	ml/min @ 7KPa	2000
Water Entry Pressure 耐静水压	ASTM D751 (测试面积: 1 cm ²)	KPa dwell 30 sec	≥60
IP Grade IP 防护等级	IEC 60529	/	IP67/IP68



Water Vapor Transmission Rate 透湿率 (蒸发法)	GB/T 12704.2 (38°C/50%RH、倒杯法)	g/m ² /24h	>5000
Service Temperature 服务温度	IEC 60068-2-14	°C	-40°C ~ 125°C
ROHS 有害物质	IEC 62321	/	Meet ROHS Requirements (符合 ROHS 要求)
PFOA & PFOS 全氟辛酸/全氟辛酸磺酸	US EPA 3550C & US EPA 8321B	/	/

Installation Notes 安装注意事项:

- 1) The Installation hole size adopts the general standard of M12*1.5. 安装孔尺寸采用通用标准 M12*1.5.
- 2) It is recommended to fix the cavity with nuts when the wall thickness of the cavity is less than 3mm. 腔体壁厚小于 3 毫米时建议腔体内部用螺帽固定。
- 3) When it needs to install two breathable valves, it's suggested that the valves should be installed in opposite directions to reach the air convection effects. 当需要安装两个防水透气阀时，建议透气阀安装方向相反以起到空气对流效果。
- 4) Suggested installation torque is 0.8N.m, lest torque too much to affect the product performance. 建议安装扭力为 0.8N.m，以免扭力过大影响产品性能。

Application 应用:

Changing harsh environmental conditions cause seals to fail and allow contaminants to damage sensitive electronics. 不断变化的恶劣环境会导致设备的密封失效，并使污染物损坏敏感的电子设备。

XINXIA® Screw-In Breathable Valve effectively equalize pressure and reduce condensation in sealed enclosures, while keeping out solid and liquid contaminants. They improve the safety, reliability and service life of outdoor electronic devices. XINXIA® Screw-In Breathable Valve is designed to provide Hydrophobic/Oleophobic protection and withstand the mechanical stresses of challenging environments. 新夏螺纹透气阀有效地平衡压力和减少密封外壳的冷凝，同时 防护罩外界的固体和液体污染物。提高了户外电子设备的安全性、可靠性和使用寿命。 新夏螺纹透气阀的设计

目的是提供防水防油保护，并承受具有挑战性的环境中的机械应力。

Shelf Life 保质期:

Shelf life is five years from the date of receipt for this product as long as this product is stored in its original packaging in an environment below 80°F (27°C) and 60% RH. 本产品以原包装保存在低于 80°F(27°C)和 60%相对湿度的条件下，自收货之日起，保质期为五年。



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Note 注意：

All data above are typical data for the membrane raw material, for reference only, and should not be used as special data for outgoing quality control. 以上数据均为防水透气膜典型数据，仅供参考，不作为出厂质量控制的具体数据。

All technical information and advice given here is based on XINXIA's previous experiences and test results. XINXIA gives this information to the best of its knowledge, but assumes no legal responsibility. Customers are asked to check the suitability and usability in the specific application, since the performance of the product can only be judged when all necessary operating data are available. 所有技术信息和建议都是基于新夏公司以前的经验和测试结果。新夏公司尽其所知提供此信息，不承担任何法

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