

SHX-UN MOT Motorised Universal Pressure Vent



The SHX-UN MOT Motorised Pressure Vent offers all the proven features of the SHX-UN low to high pressure relief vent series. It also provides full pressure relief while closed. The SHX-UN MOT has motorised blade operation making it suitable for ventilation or multi-room cascade venting. The motor mechanism drives blades open without being blade-mounted allowing an instant reaction to pressure increase at any time during closing or full closure. The new design vent body can be wall cavity mounted providing extra security and installation ease.

Proven to open fully within 13 ms, the blades are blast-tested to above a potential enclosure pressure exceeding 350 kpa. The SHX-UN range is the only pressure vent on the market to have the largest true value FVA available correctly 3rd party verified to BRE live discharge test 122084.

The SHX-UN MOT is designed primarily for protecting electrical transformers requiring high levels of natural ventilation and blast protection to 10 kpa and above. For large venting projects calling for a gas suppression system, these units, combined with the new IBP HD Blast panels, give a 100% gas seal and superior pressure relief performance.

Product Specification

| Product Code | SHX-UN300 MOT | SHX-UN500 MOT | SHX-UN700 MOT | SHX-UN1000 MOT |
|------------------|---------------------|---------------------|---------------------|--------------------|
| Free Vent Area | 0.077m ² | 0.212m ² | 0.416m ² | 0.85m ² |
| Overall WxHxD | 420x420x220mm | 620x620x220mm | 820x820x220mm | 1120x1120x220mm |
| Hole cut out WxH | 355x345mm | 555x545mm | 755x745mm | 1055x1045mm |
| Weight | 18kg | 29kg | 44kg | 70kg |

Product Information

- Tested using Propane/Oxygen & Acetylene/Oxygen ignition mix. to potential 350Kpa discharge - Report available on request
- Fully AFP blast tested with AFP blast simulator - Report and video available on request
- Rated for pressure above 10Kpa specification
- Motor Spring return when required e.g. fire alarm signal
- Operates with a vDc factor of 1.15 for gas suppression applications
- Vents are powder-coated to RAL 9003 signal white, and have 4-hour fire rating
- Manufactured to ISO9001 and Russian GOST certification
- The products carry a 5-year guarantee
- Fits walls from thin panels to 380 mm thick without any additional parts.
- When installing in external walls an EXP expander box weather louvre should also be installed
- The SHX-UN MOT comes with Belimo Motor, wall liner, wall liner extension, fitting kit, intumescent mastic and fitting instructions.
- For 100% gas seal should be used in conjunction with the BP MOT Blast Panel Motorised

Performance Certification

Witnessed & Verified by the Building Research Establishment (BRE)
Live inert gas and FM200 discharge test - Report No. 122084 BRE UK

Fire Rating Certification

European Approval

Tested by BM Trada
Standard Type: BS EN 1363 - 1 / BS EN 1364-1
Report No. BMT/FEI/F15056 4 hour integrity

US Approval

Tested by Guardian Laboratories USA
Standard Type: UL555 & ASTM E 119-08a
Report No. GL 10010 2 hour integrity

Integrity Testing Calibration

The AFP range of pressure vents does not require calibration from an integrity test as they are fully certified to the BRE Live Discharge test of 2008