



SHX UN PRESSURE VENT For Inert Gas Suppression Systems

The only pressure vent to be BRE 2008 Live Discharge test certified.

The SHX UN Universal Pressure Relief Damper's unique design (pat applied) offers users the industry's best solution for blast protection and gas suppression pressure relief. With the largest verified Free Vent Area (FVA) on the market, these third-generation products are effective not only with gas suppression systems, but also handling much higher energy blasts that can occur within electrical switchgear and transformer installations.

The SHX UN range is the only pressure relief damper on the market to have the largest true value FVA available correctly third party verified to BRE live discharge test 122084.

PRODUCT DETAILS



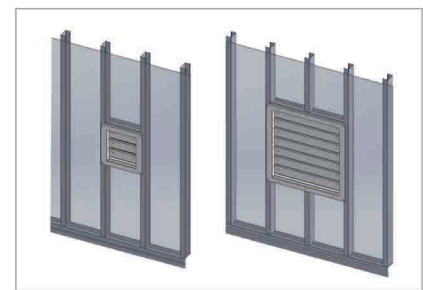
4 Hour Fire Rated

4 hours to BS EN 1363-1 2012
2 Hours to UL-555



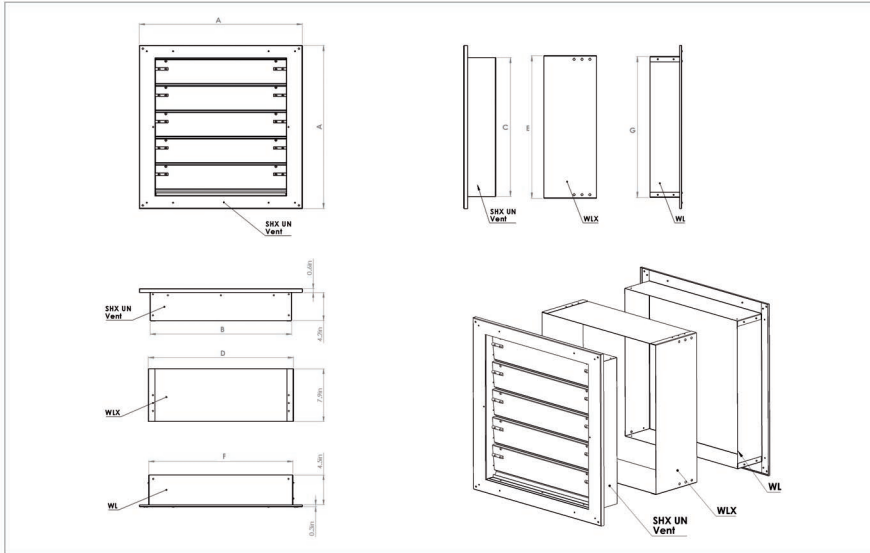
Live Discharge Tested

Built and certified to BRE live discharge tests standards 2008. Suitable for all inert gasses and buildings housing GI Switchgear.



Fits Between 16" Wall Studs.

SHX UN 14 and SHX UN 30 fit between standard 16" ctr 2" studs for easy installation.



Standard kit fits walls from 4" to 15" thick.

SHX UN Kit includes:

- SHX UN vent
- WL Wall Liner
- WLX Wall Liner Extension
- Fixing Kit
- Fitting Instructions

Full open pressure 100pa +
(from static fan test)

3 year guarantee

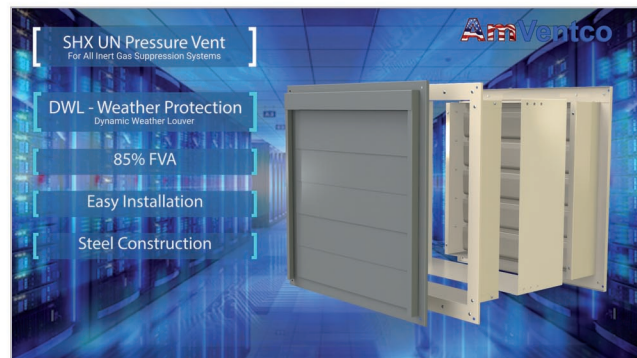
TECHNICAL DATA

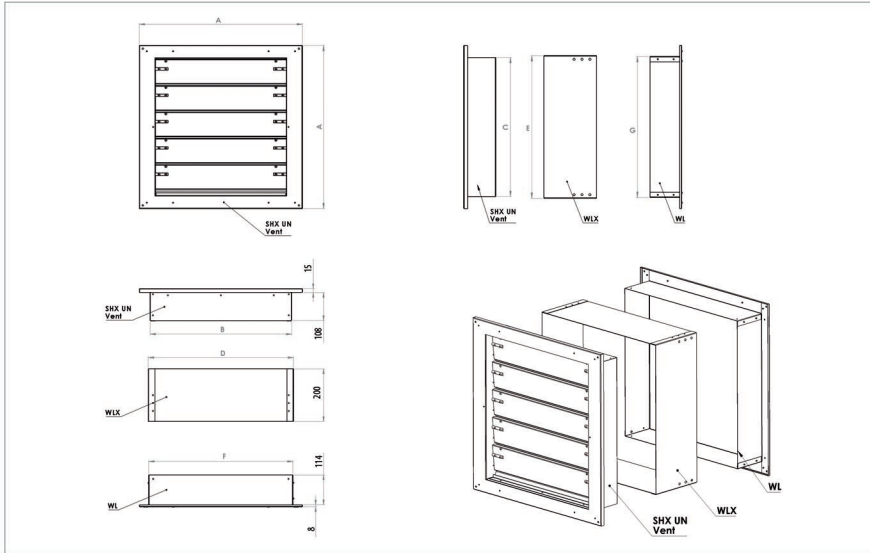
| Product Code | Dim | SHX UN14 | SHX UN 22 | SHX UN 30 |
|--------------------|-------|-------------------|-------------------|-------------------|
| FVA POSITIVE | | 0.83 ft2 | 2.28 ft2 | 4.48 ft2 |
| SHX UN VENT FLANGE | A A | 16.5" x 16.5" | 24.5" x 24.5" | 32.3" x 32.3" |
| SHX UN VENT | B C | 13.4" x 13.0" | 21.2" x 20.8" | 29.2" x 28.8" |
| WLX | D E | 13.8" x 13.5" | 21.7" x 21.3" | 29.5" x 29.2" |
| WL | F G | 13.7" x 13.2" | 21.6" x 21.1" | 29.5" x 28.9" |
| WEIGHT | | 26 lbs | 42 lbs | 75 lbs |
| WALL CUTOUT SIZE | W x H | 14 " x 13 5/8" | 21 3/4" x 21 3/8" | 29 3/4" x 29 1/4" |
| 16" CTR STUD FIT | | <i>2 stud fit</i> | | <i>3 stud fit</i> |

EXTERNAL WALL INSTALLATION

A DWL (Dynamic Weather Louver) should be used for installation on exterior walls.

The AmVentco DWL is specifically designed to weather-protect the SHX UN vent when installed on an exterior wall. When blast tested in combination with the SHX UN Vent it only adds 10% to the back pressure, falling well within the peak pressure design criteria of the gas calculations and enclosure limits.





Standard kit fits walls from 100mm to 380mm thick.

SHX UN Kit includes:

- SHX UN vent
- WL Wall Liner
- WLX Wall Liner Extension
- Fixing Kit
- Fitting Instructions

Full open pressure 100pa +
(from static fan test)

3 year guarantee

TECHNICAL DATA

| Product Code | Dim | SHX UN14 | SHX UN 22 | SHX UN 30 |
|--------------------|-------|---------------------|---------------------|---------------------|
| FVA POSITIVE | | 0.076m ² | 0.212m ² | 0.416m ² |
| SHX UN VENT FLANGE | A A | 420 x 420mm | 620 x 620mm | 820 x 820mm |
| SHX UN VENT | B C | 335 x 328mm | 535 x 528mm | 735 x 728mm |
| WLX | D E | 352 x 342mm | 552 x 542mm | 752 x 742mm |
| WL | F G | 350 x 335mm | 550 x 535mm | 750 x 735mm |
| WEIGHT | | 12kg | 19kg | 34kg |
| WALL CUTOUT SIZE | W x H | 360 x 350mm | 560 x 550mm | 760 x 750mm |
| 16" CTR STUD FIT | | <i>2 stud fit</i> | | <i>3 stud fit</i> |

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