



The all new ARCHSEAL Door. Specially designed to meet the Building Regulation for Pressure Venting Archive & Cold Stores.

ARCHSEAL



THE ALL NEW ARCHSEAL INSULATED UNIT

Building regulation for Archive stores and cold stores has become more onerous in recent years with the requirement for total risk leakage and thermal insulation being the main concern.

As a result of these codes we have developed the ARCHSEAL Door to complement our High-X 100 range of Pressure Vent. The ARCHSEAL replaces the outer grille or weather louvre to provide a hermetically sealed and thermally insulated outer cover to the High-X100.

The result is that the risk leakage related to the installation of pressure vents is reduced to zero with the thermal insulation of the Archive risk maintained. The insulation rating of the ARCHSEAL is 1.4watt per m² and the design of the ARCHSEAL 800 removes thermal transfer by 99.9%

Another key part of the ARCHSEAL design is the way the unit opens. It is designed to open vertically or horizontally and removes shock to the structure it is fixed to. In some cases the ARCHSEAL is attached to sandwich panel construction which is less tolerant to fixing shock than other constructions.

Two options of the ARCHSEAL are available the more cost effective option is the ARCHSEAL M with magnetic auto release / opening and manual reset / closing following activation or the ARCHSEAL C with auto opening and closing using a reverse polarity actuator.

Please contact AFP Air Technologies LLP for further information as design and operation can vary depending on application.

The New ARCHSEAL™ Range from AFP Air Technologies LLP

Features and Benefits

- Hermetically Sealed
- High level of Thermal Insulation
- Weather Proof
- Fast Acting
- Simple to Install
- Low maintenance
- 5 Year Warranty.

The ArchSeal door is available in 4 standard sizes to fit our SHX-UN pressure vents in 300, 500, 700 and 1000 sizes.

The unit is supplied with a fitting kit which includes instructions, screws and sealant so that the unit can be fitted over our SHX-UN wall sleeves and can be sealed as instructed.

The unit should be used with a manual-mechanical gas release but is suitable for use with an electrical manual release system. In most cases the use of a manual mechanical release will not allow for a protected risk to shut down and seal correctly to allow a gas fire extinguishing system to operate as required by the standards.

The ArchSeal door unit is manufactured to order and is on a 6 week lead time.

Activation Options and Detail

M – Magnetic release used an electro magnet to hold the door tight on its seals. The magnet is a 24 volt unit



Magnetic Release

Operating Voltage:-	24 volt
Aluminium Construction	
Current Draw:-	250mA @24 Volt
Operating Temp:-	-10 to 55°C
Humidity:-	0 to 95%
Holding Force:-	272Kg
Weight:-	2.0 Kg

C – Chain Actuator allow the unit to open and close via reverse polarity at 24 volts.



Chain Actuator

Operating Voltage:-	24 Volt
Normal Current:-	0.14A
Force/Speed:-	200N : 16mm/s
Ingress Protection:-	IP20
Weight:-	1.1Kg

Unit sizes and current may vary dependent on size and application.