

" If everyone is moving forward together,
success takes care of itself. "

— Henry Ford

COMPREHENSIVE RANGE OF ACCESS DOORS FOR ALL APPLICATIONS

A door for every occasion

Suitable For DW144 and EN 15727:2010 and Fire Tested
to suit EN 15871, EN 12101-7 (CE marked) and BS 476.

 **firas**

Fire doors fitted by
accredited installers



CE

CE Marked for all
harmonised standards.





Access Door Range

6

Types

19

Stock sizes

4

Insulated Models

SureFire EnSave
SF/AD
EnSave 144
EZFIT

2

Uninsulated Models

ECO/AD
ECO/R/AD

2

Fire Rated Models

SureFire EnSave
SF/AD

8

Standards Met

BS 476 EN 12101-7 EN 15871
DW144 DW143 EN15727
TR/19 DW172

2

Pressure tested and certified (to Class D)

SureFire EnSave
EnSave 144

2

Insulation Thickness

25mm
(thermal insulation)
76mm
(fire rated insulation)

"Identify your problems but give your power and energy to solution."

— Tony Robinson

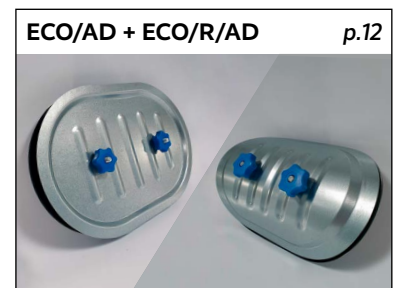


Comprehensive range of access doors for all applications

Suitable For DW144 and EN 15727:2010 and Fire Tested to suit EN 15871, EN 12101-7 (CE marked) and BS 476.

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AMS Access Door Range

	SureFire EnSave	SF/AD	EnSave 144	ECO/RD	ECO/R/RD	EZFIT
Standard Features						
Pressure Tested DW144	✓	—	✓	—	—	—
Fire Rated BS476	✓	✓	—	—	—	—
EN15871 + 12101-7 Fire Rated + CE Mark	✓	✓	—	—	—	—
Suitable Rect.	✓	✓	✓	✓	—	✓
Suitable Round 100Ø - 630Ø	✓ w/ saddle	✓ w/ saddle	✓ w/ saddle	—	✓	✓ w/ saddle
Tabbed Insulated	✓	✓	✓	—	—	✓
Uninsulated	—	—	—	✓	✓	—
Handle	✓	—	—	✓ w/ knobs	✓ w/ knobs	—
Retaining Wire	✓	—	✓	—	—	—
Available in 25mm and 76mm thickness	✓	—	—	—	—	—
Stock Sizes						
150×150	—	—	✓	—	—	—
200×200	✓	—	✓	—	—	—
250×250	✓	✓	✓	—	—	✓
300×300	✓	✓	✓	—	—	✓
350×350	✓	—	—	—	—	—
400×400	✓	—	✓	—	—	—
450×450	✓	✓	✓	—	—	✓
300×150	—	—	✓	—	—	—
400×250	—	✓	—	—	—	✓
450×300	—	✓	✓	—	—	✓
180×80	—	—	—	—	(100Ø)	—
200×100	—	—	—	✓	—	—
250×150	—	—	—	—	(150–315Ø)	—
300×200	—	—	—	✓	(355Ø)	—
400×300	—	—	—	—	(400–710Ø)	—
500×400	—	—	—	✓	—	—
600×500	—	—	—	✓	—	—
Option: 250×150	—	—	—	—	(400/450/ 500Ø)	—

Note: On request saddles can be provided to allow flat doors to be fitted to spiral.

Introduction

Keeping a tight lid on energy

With energy conservation at the heart of every design more and more ductwork systems are required to be pressure tested to ensure they meet leakage parameters in accordance with DW143 and EN 15727:2010.

At the same time the revised DW144:2016 Table 20 (see fig.2, below) has called up additional cleaning and inspection doors be provided for a wide variety of applications. Increasing the number of access doors in all ventilation ductwork has often resulted in failing to meet the leakage rates due to the use of such high quantities of untested access doors.

AMS have sought to remedy this issue by assembling a complete range of doors to suit every duct type, size and shape in providing the right door for the right application. Included in this range are insulated and uninsulated doors, fire rated and standard, round and square, tabbed and plain, and, most importantly, tested and untested.

With energy costs looming it has become critical that this long overlooked aspect in the completed ductwork system be addressed and resolved to meet the demanding standards of LEED certified buildings and energy conservation.

Fig. 1 Ductwork Classification and Air Leakage Limits (Reproduced from DW/144, Part One, Section 1.1)

Duct pressure class	Static pressure limit		Maximum air velocity	Air leakage litres per second per square metre of duct surface area
	Positive	Negative		
Low pressure – Class A	Pa	Pa	m/s	$0.027 \times p^{0.65}$
	500	500	10	
Medium pressure – Class B	1000	750	20	$0.009 \times p^{0.65}$
High pressure – Class C	2000	750	40	$0.003 \times p^{0.65}$
High pressure – Class D	2000	750	40	$0.001 \times p^{0.65}$

Where p is the differential, pressure in pascals.

"Items of in-line will not normally be included in an air leakage test. The ductwork contractor may include such items in the test if the equipment has a manufacturer's certificate of conformity for the pressure class and air leakage classification for the system under test." DW143, Section A.8.

Fig. 2 DW144, Section 20.3, Table 20 (Reproduced from DW/144, Section 20.3)

Table 20 Location of Access Panels for Inspection/Service and/or Internal Cleanliness*			
In-line equipment	Location	Party responsible for provision of suitable access panel	
		Ductwork Contractor	Specialist Cleaning Contractor
Control Dampers	Both sides	Up-stream panel	Down-stream panel
Fire Dampers	Both sides	To suit damper maintenance	Opposite side
Heating/Cooling/Re-claim Coils	Both sides	Panel on both sides	—
Attenuators (rectangular)	Both sides	Up-stream panel	Down-stream panel
Attenuators (circular)	Both sides	Up-stream panel	Down-stream panel
Filter sections	Both sides	Up-stream panel	Down-stream panel
Air turning vanes	Both sides	Up-stream panel	Down-stream panel
Changes of direction	One side	—	One panel to suit
In-duct Fans/Devices	Both sides	Up-stream panel	Down-stream panel
Inlet/Exhaust Louvre	One side	One panel to suit	—
Intermediate cleaning panels		—	To suit frequency specified in TR/19 and DW/172

1. SureFire EnSave Heavy-duty Fire Rated Doors

SureFire EnSave fire rated doors come in a variety of sizes listed below and are suitable for installation for BS 476 fire duct as well as EN 15871 and EN 12101-7.

These unique heavy-duty doors have been independently tested by BSRIA under high pressure (+2000 PA -750 PA) and have achieved exceptional low leakage rates (see graphs and tables listed on page 6).

Fig. 3 SureFire EnSave Door

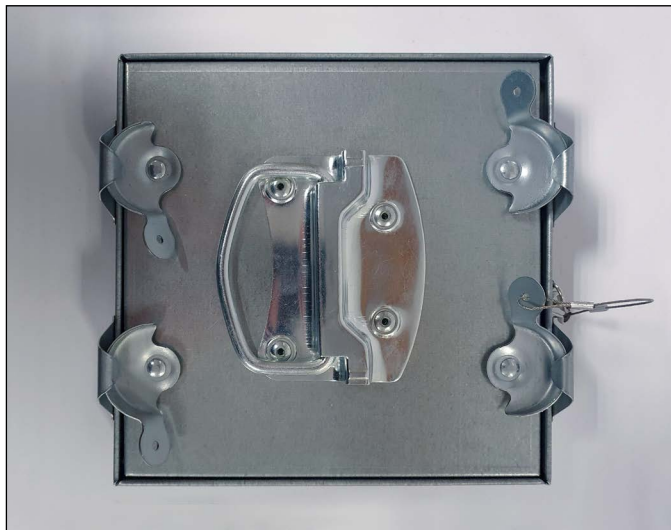
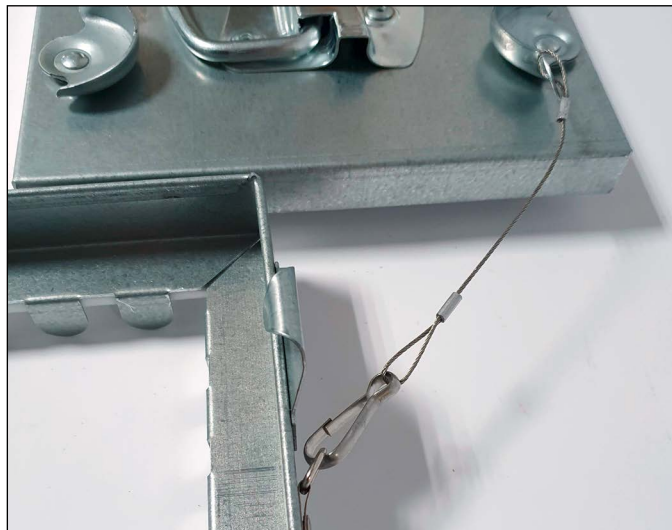


Fig. 4 Close-up retaining wire



With the ever increasing demand for fire doors under DW172 (at every 2 metres) the need to have a proven low leakage door has become crucial.

'All interior surfaces of the ductwork shall be accessible for cleaning and inspection purposes. In the absence of a detailed cleaning specification/method, access doors shall be installed at 2m centres and thereby enabling full cleaning of the system without manned entry. The access doors shall be of at least the same thickness material as the ductwork, be grease tight using a heat-proof gasket and contain minimum projections into the duct. If the access doors are part of a fire resisting duct, then it needs to be verified that any new access doors are also fire resisting and are compatible with the ductwork they are being fitted to.' DW/172, Section 18.2.

SureFire EnSave doors are suitable for fire rated rectangular and spiral ductwork (with the addition of a mounting saddle) for smoke rated ducts come under EN 12101-7 with CE Mark. This range of doors are unique to all others and the benefits are listed below.

SureFire EnSave Fire Door Credentials

A. Rating

SureFire EnSave is tested and rated to the following test standards:

Fig. 5 EnSave door ratings

Type	Fire Standard	Rating
Fire	EN 15871	EI90
Smoke	EN 12101-7	EI90
KE, SE, Passive and Pressurisation	BS 476	Up to 4hrs

SureFire fire rated doors are tested and certified and come with a Declaration Of Performance (DOP) shown on page 15.

B. Energy*

- › High Pressure - 2000 Pa (Positive) / 750 Pa (Negative).
- › Low leakage - Class D BSRIA tested and certified.
- › Low U value rated at 0.04(W/m²K).

Achieving the desired design in a specific compartment of a fire or smoke extract system is greatly influenced by the overall leakage in the ductwork system and often requiring higher motor energy to successfully comply, where untested access doors are in use. **SureFire EnSave** eliminates this concern. * See BSRIA Test Results page 6.

C. Safety

All **SureFire EnSave** doors come with cut out template and easy fix tabs which ensure there is no raw edge exposed at a future point of use.

'All openings shall be made safe and have sealed panels/covers designed so that they can be speedily removed and re-fixed i.e. multiple set screws and self-tapping screws are not acceptable as a method of fixing panels/covers to an access opening/frame'. DW/144, Section 20.1.

D. Build Quality

Our standard **SureFire EnSave** door is resilient being manufactured with combined 2mm galvanised sheet metal resistance with a Z275 zinc coating. The cam locks are attached using a closed head punched rivet which are unique to this application. Unlike the industry standard aluminium blind rivets that are prone to shear and fail.

Our doors come with an industrial handle unlike the 3mm wire handle offered on other standard tabbed doors, which provides the greatest leverage force and becomes quite significant during maintenance in grease-laden applications over time. They also come with a retaining wire as standard which ensures no loss of door panel (*see fig. 3*). Uniquely, there is an added break link feature to remove the door completely if required.

E. Hygiene

Hygiene has become a greater priority especially on sites with the goal of minimizing cross contamination and eliminate the spread of Covid-19. **EnSave** doors come pre-packed in cartons to minimize unnecessary handling and site defacement and individually shrink wrapped to minimize contamination.

F. Gasket

SureFire EnSave is unique in meeting the three requirements of DW/172, "The access doors shall be of at least the same thickness material as the ductwork, be grease tight using a heat proof gasket and contain minimum projections into the duct". DW/172 Section 18.2.

1. The door is constructed from a combined 2mm casing.
2. The air tightness has been independently tested by BSRIA - see results below. **SureFire EnSave** uses two high grade gaskets. The first, between duct and frame is permanently sealed and is a high grade ceramic material which is tested for use at 1200°C and prevents fire spread from both within the duct or from without. The second is a closed cell PVC hard foam which forms a compression watertight seal between the door and the frame and offers the flexibility of long life.
3. All **SureFire EnSave** and standard fire rated doors are surface mounted with no projection into the ductwork.

G. Best Value

The **SureFire EnSave** door is faster to install because each door comes complete with a template cut out and requires little training to install. This saves installers time and money. Site error is quite common where template stickers do not come individually with doors and often expensive to rectify or worse plated over!

H. Range of sizes

200×200	250×250	300×300	350×350	400×400	450×450
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Available in 25mm thickness and 76mm for use with insulated fire duct.

BRSIA Test Results - All Class D Rated

Fig. 6 DW144 EnSave 76mm (Door 3)



Nominal size: 250mm x 250mm (access panel 245mm x 245mm)

Fig. 7 DW144 EnSave 25mm (Door 4)



Nominal size: 250mm x 250mm (access panel 245mm x 245mm)

Fig. 8 Combined positive leakage (Door 3)

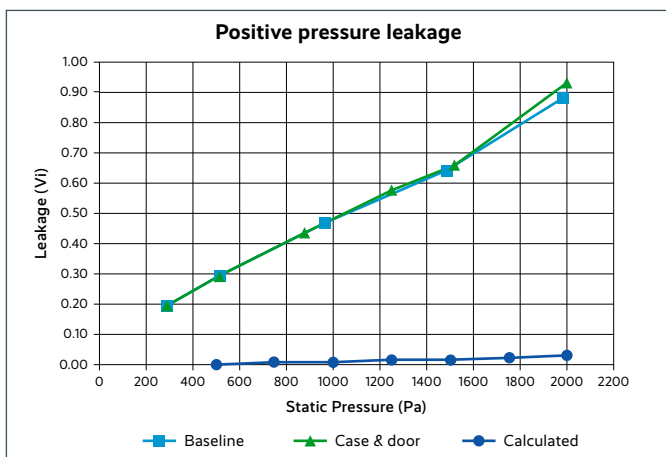


Fig. 9 Combined negative leakage (Door 4)

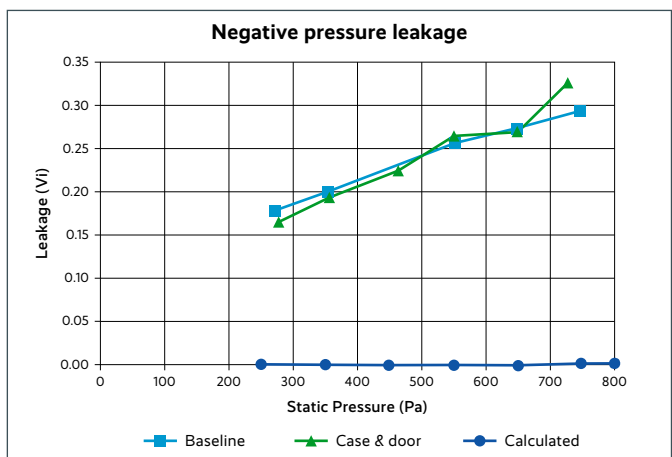


Fig. 10 Conclusions

Test Classification According to EN15727:2010				
	Calculated leakages (l/s/m ²)		Class (DW/144)	
	Positive	Negative	Positive	Negative
Door 3	0.0328	0.0052	D	D
Door 4	0.0582	0.0039	D	D

Target Leakage Limits - DW144 3rd Edition and EN 15727:2010				
	Maximum leakage (l/s/m ²) requirements to meet:			
	Class A	Class B	Class C	Class D
Positive Pressure	1.5335	0.8027	0.4196	0.1399
Negative Pressure	1.5335	0.6653	0.2218	0.0739

Due to the leakage being very low for some readings, the resolution of the instrumentation became a limiting factor. As a result, some of the calculated results became negative and were consequently rounded up to a zero.

2. SF/AD SureFire Standard Fire Rated Doors

The standard SureFire door was the original fire door that has been in vogue since 2005. This insulated door comes with a high density calcium magnesium silicate insulation which has been tested up to 1200°C and has a 96kg/m³ density.

The insulation supplied with the double-skinned galvanised steel skin has been tested in all fire duct scenarios including BS 476, EN 15871 (for KE and passive air) and EN 12101-7 smoke extract under which it is CE marked.

The mounting frame which is fitted to the skin of the fire rated duct compresses a ceramic specialised high temperature gasket and helps to prevent the internal combustible temperature contained within the duct in a fire scenario from breaching to the room side.

Fig. 11 SF/AD close up



Fig. 12 SF/AD



"System designers must ensure that consideration is given to the following aspects:

Recognising that fire resisting kitchen extract systems need a greater frequency of access panels as detailed in the BESA publication DW/172, 'Specification for Kitchen Ventilation Systems' and that such panels must be incorporated into the manufacture of the kitchen extract ductwork. In the case of fire-resisting duct systems particular care must be taken to ensure that any retro-fitted access panels are suitably fitted, under licence to the fire resisting systems manufacturer." DW/144, Section 20.3.

Range of stock sizes held

250×250	300×300	400×250	350×350	450×300	450×450
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Maintenance

Due to the high maintenance cleaning program associated with kitchen extract duct, SureFire is fitted with two types of gasket. The ceramic one fixed between the frame and the duct (detailed above) and the inner one between the door and the frame is a very durable long lasting PVC foam which has been tested to BS 476 Part 7 / class 1 with a generous service temperature range of -30 to +70°C with a density of 240 kg/m³.

3. EnSave 144 Pressure Tested Doors

A range of insulated access doors to suit insulated ductwork where the insulation value of the door must correspond to the thermal insulation wrap applied to it. Suitable for supply and return air systems for immediate fit to rectangular ductwork and with the option to fit to circular with saddle to mount.

This EnSave range has been pressure tested to 2000 PA Positive and -750 PA Negative with exceptionally low leakage results. These tests were independently certified by BSRIA see results on page 11. See benefits listed below.

Description

Our standard EnSave door is resilient being manufactured with combined 2mm galvanised sheet metal with a Z275 zinc coating. The cam locks are attached using a closed head punched rivet and not industry standard aluminium blind rivet that are prone to shear and fail. They also come with a retaining wire as standard which ensures no loss of door panel (detailed in picture and uniquely with a breaker which allows full detachment of the door when required).

Fig. 13 EnSave rectangular range of doors



Fig. 14 EnSave 144

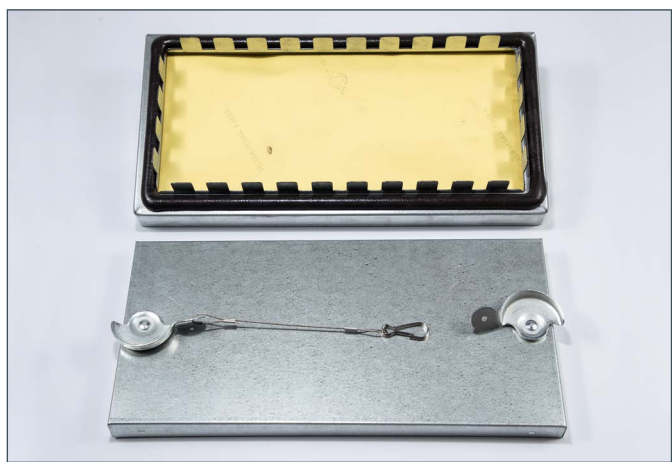
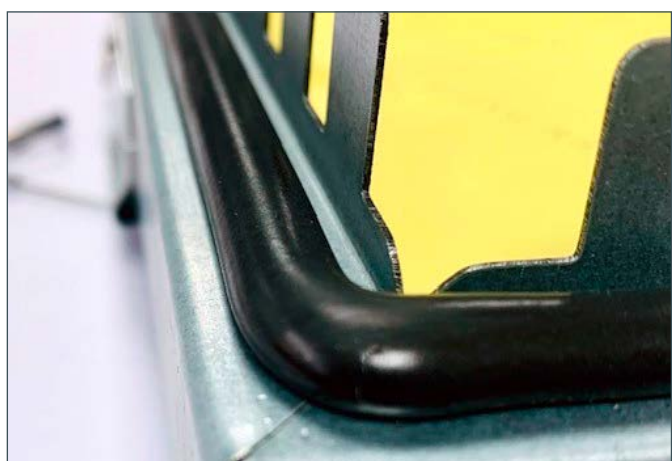


Fig. 15 Close-up of retaining wire



Fig. 16 Close-up of PUR unique gasket



Range of stock sizes

150×150	200×200	250×250	300×150	300×300	400×400	450×300	450×450
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Other sizes available

400×200	500×500	600×300	600×600
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BSRIA Test Results

Due to the leakage being very low for some readings, the resolution of the instrumentation became a limiting factor. As a result, some of the calculated results became negative and were consequently rounded up to zero. DW144 specifies leakage limits for complete duct systems, in the form of permitted leakage rate for a given surface area – l/s/m². It does not specify any specific limits for access panels.

EN 15727:2010 “Ventilation for buildings. Ducts and ductwork components, leakage classification and testing” introduces the concept of a virtual product surface area, where the total joint length of the component connections is multiplied by 0.5m, in order to calculate a surface area against which leakage can be assessed. EnSave doors had these calculations applied in the BSRIA test and is reflected in the following results.

Fig. 17 DW144 EnSave 250 (Door 1)



Nominal size: 200mm × 200mm (access panel 195mm × 195mm)

Fig. 18 DW144 EnSave 450 (Door 2)



Nominal size: 400mm × 400mm (access panel 395mm × 395mm)

Fig. 19 Combined positive leakage (Door 1)

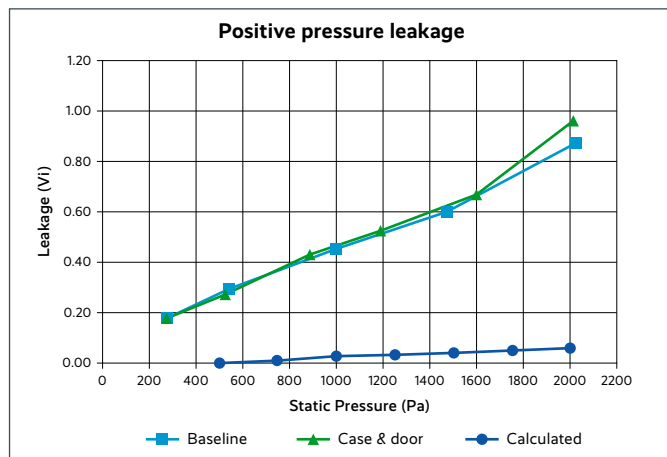
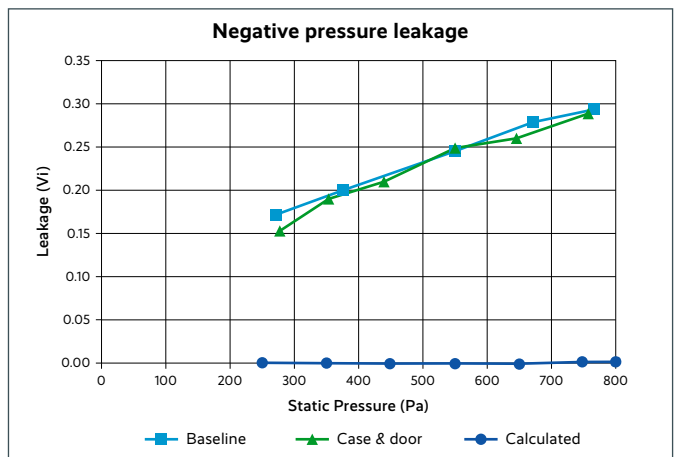


Fig. 20 Combined negative leakage 1 (Door 2)



Calculated leakage is shown in blue just above 0

Fig. 21 Conclusions - Test Classification

	Calculated leakages (l/s/m ²)		Class (DW/144)	
	Positive	Negative	Positive	Negative
Door 1	0.2437	0.0243	C	D
Door 2	0.0737	0.0015	D	D

EnSave 144 Pressure Tested Door Credentials

A. Rating

Pressure	Class (DW144)
2000 Pa	Class C on 2002 (Positive) Class D (Negative)
-750 Pa	Class D on 2502 and above (Positive + Negative)

B. Energy

- › High Pressure - 2000 Pa (Positive) / 750 Pa (Negative).
- › Low leakage - Class C and D BSRIA tested and certified.
- › Low U value rated at 0.04(W/m²K).

C. Safety

All EnSave doors when installed with easy fix tabs ensure there is no raw edge exposed at a future point of use.

D. Insulation

The insulation between the door comes with excellent thermal properties with a density of 45kg/m³ Rockwool.

E. Hygiene

Hygiene has become more of concern on sites with the goal of minimizing cross contamination and eliminate the spread of Covid-19. EnSave doors come pre-packed in cartons to minimize unnecessary handling and site defacement.

F. Gasket

A one-piece polyurethane injected moulded seal, this ensures the tightest possible seal is achieved once fitted. The gasket is used to seal the door to the frame and the frame to the duct. The PUR is also guaranteed for 25 years with an excellent resistance to grease and oils to guarantee optimum performance.

G. Best Value

The EnSave door is faster to install because each door comes complete with a template cut out and requires no training to install. This saves installers time and money. Site error is quite common where template stickers do not come individually.

DW144, Section 20.1 states:

All openings shall be made:

- › safe
- › have sealed panels
- › covers designed so that they can be speedily remove
- › connect safety restraints to access panels located in riser ducts.

EnSave 144 ticks all requirements of DW144



It is generally accepted that in typical good quality systems the leakage from each class of duct under operating conditions will be in the region of:

Leakage rates per class		
Class A	low pressure	6%
Class B	medium pressure	3%
Class C	high pressure	2%
Class D	high pressure	0.5%

System designers can achieve significant cost savings by matching operating pressures throughout the system to constructional standards and appropriate air leakage testing, e.g. the practice of specifying construction standards for whole duct systems based on fan discharge pressures may incur unnecessary costs on a project.

‘Only the right door will compliment the system’

‘Whilst it shall be standard practice to provide access panels for the inspection, additional panels may be required for cleaning inspection and cleaning access and these will be site-fitted where necessary by a specialist cleaning contractor.’ DW/144, Section 20.3.

This table is reproduced in full in BESA publication TR/19 ‘Guide to Good Practice, Internal Cleanliness of Ventilation Systems’ which covers the subject of cleaning inspection and cleaning access in greater detail.

Fig. 22 DW144, Section 20.3, Table 20 (Reproduced from DW/144, Section 20.3)

Table 20 Location of Access Panels for Inspection/Serviceing and/or Internal Cleanliness*			
In-line equipment	Location	Party responsible for provision of suitable access panel	
		Ductwork Contractor	Specialist Cleaning Contractor
Control Dampers	Both sides	Up-stream panel	Down-stream panel
Fire Dampers	Both sides	To suit damper maintenance	Opposite side
Heating/Cooling/Re-claim Coils	Both sides	Panel on both sides	—
Attenuators (rectangular)	Both sides	Up-stream panel	Down-stream panel
Attenuators (circular)	Both sides	Up-stream panel	Down-stream panel
Filter sections	Both sides	Up-stream panel	Down-stream panel
Air turning vanes	Both sides	Up-stream panel	Down-stream panel
Changes of direction	One side	—	One panel to suit
In-duct Fans/Devices	Both sides	Up-stream panel	Down-stream panel
Inlet/Exhaust Louvre	One side	One panel to suit	—
Intermediate cleaning panels		—	To suit frequency specified in TR/19 and DW/172

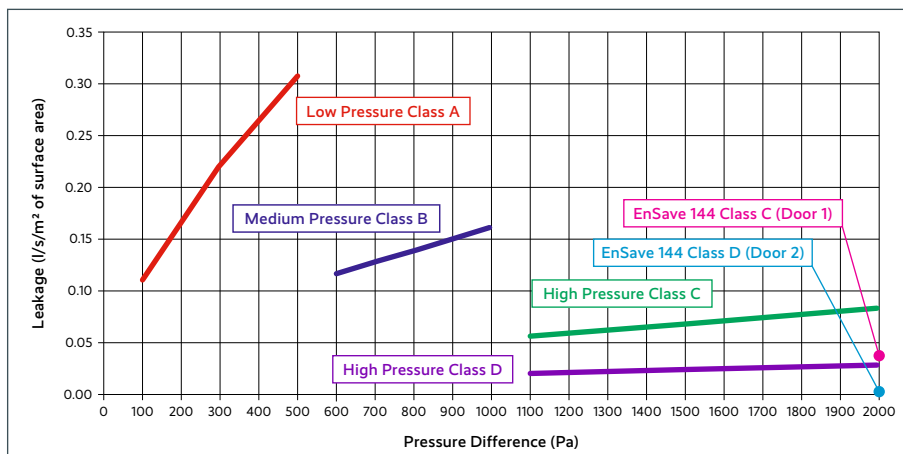
Large ventilation systems should be classified for leakage limits as follows:

Leakage limits per class	
Plant room risers	Class C or D
Main floor distribution	Class B
Low pressure outlets	Class A

The effect of air leakage from high pressure/velocity ductwork is critical in terms of system performance, energy consumption and the risk of high frequency noise associated with leakage.

A general comparison of the acceptable losses demonstrates the significant role that a certified door provides.

Fig. 23 Permitted leakage at various pressures



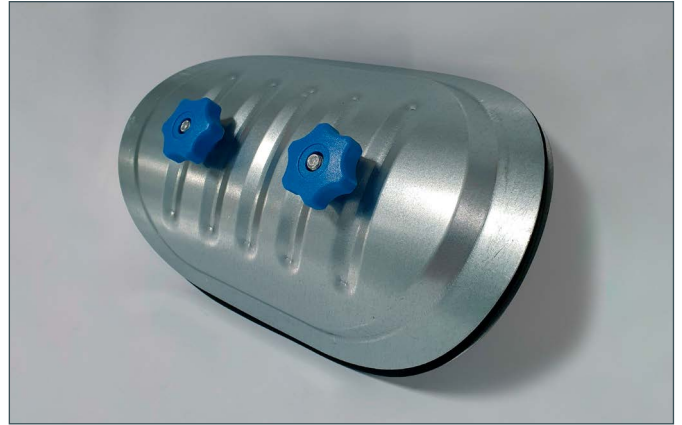
4. ECO/RD Uninsulated (rectangular) and ECO/R/AD Uninsulated (round)

ECO/RD is for rectangular ductwork it comes in a range of sizes from 200×100 to 600×500 (please see sizes detailed below). ECO/R/AD is for round ductwork and comes in a various sizes listed below.

Fig. 24 ECO/RD door



Fig. 25 ECO/R/AD door



The doors are removed by loosening the knobs sufficiently for the double plate to separate and enable the door to slide out from the opening in the ductwork. These uninsulated doors come complete with an air seal gasket that is compressed with the locking of the knobs during fitting.

Range of sizes with dimensions for diameter suited:

ECO/RD:

200×100	300×200	500×400	600×500
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ECO/R/RD:

180×80	200×100	300×200	400×300	500×400
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See page 2 for legend of sizes corresponding with diameters.

Installation Instructions

Access doors should never be installed on the underside of the duct.

1. Apply the self-adhesive template on the duct wall at the desired position.
2. Cut the opening following the edge of the template.
3. Turn the knobs till they hit the stops and insert the inner door panel inside the opening at an angle. Then straighten the door, pull it lightly to centre it and tighten the knobs.

5. EZFIT Insulated DW144 (Standard Range)

Tabbed Doors

Our EZFIT are made from 0.7m galvanised steel. The camlocks are attached to pressure the door to the frame to give an airtight seal. This door provides a quick and simple install saving the fitters time especially where there are large quantities.

The EZIT access door will provide the quickest access for maintenance and cleaning inside the ductwork, can be opened fully in less than 10 seconds.

This door comes in many sizes (listed below) for both small and large rectangular ducts. With sizes designed to accommodate the access required from hand only to full entry.

EZFIT are double skinned sheet metal which sandwich thermal insulation. The insulation is sealed permanently between the skins. This construction method allows the door to be installed flush with the thermal installation applied on the ductwork.

Range of stock sizes

250×250	300×300	400×250	450×300	450×450
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Fig. 27 EZFIT durable gasket

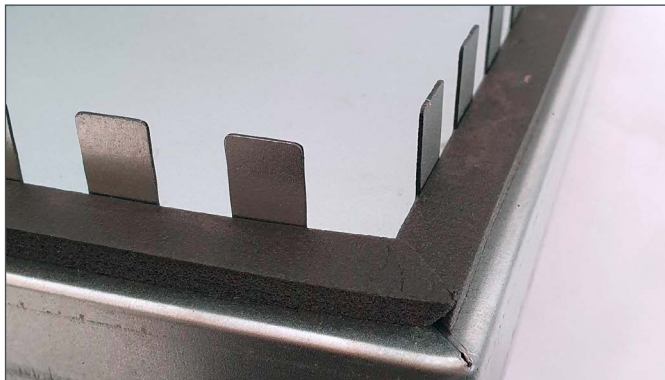


Fig. 28 Range of EZFIT doors



Fig. 29 Recommended dimensions of openings

Rectangular Ducts		
Up to a maximum height of	Recommended dimension of openings	
≤250 mm	250 mm	250 mm
≤450 mm	300 mm	300 mm
≤560 mm	450 mm	250 mm
≤600 mm	450 mm	350 mm
≤710 mm	450 mm	300 mm

Round Ducts (with saddle mount)		
Duct size up to ∅	Recommended dimension of openings	
≤250 mm	250 mm	250 mm
≤300 mm	300 mm	300 mm
≤560 mm	450 mm	250 mm
≤600 mm	450 mm	300 mm
≤700 mm	450 mm	300 mm

Fig. 30 Saddle mount for round ducts



6. Selecting the right door

DW144			
Round		Rectangular	
Insulated	Uninsulated	Insulated	Uninsulated
EnSave EZFIT (with mounting saddle)	ECO/R/AD	EnSave EZFIT	ECO/RD
All EnSave doors are pressure tested to Class C + D.			

FIRE RATED		
BS 476	EN 15871	EN 12101-7 (CE Marked)
SureFire EnSave SF/AD	SureFire EnSave SF/AD	SureFire EnSave SF/AD
All fire doors are insulated and are suitable for rectangular and round (please specify 25mm or 76mm deep).		
All EnSave doors are pressure tested to Class D.		

Mistake proofing your access doors

The Japanese have an expression 'poka yoke' which translates to 'mistake proofing against inevitable human error'.






All the time and attention given to the ventilation requirements to achieve the perfect conditions, are centred upon energy, noise, temperature, value and appearance are all compromised in the failure to specify the right access doors.

Typical failings and their consequences

1. Wrong size (Too small/Too large)	Too small	Too large
	Cannot provide the access needed to carry out it's function.	Won't fit the duct. Extra expense. More joints in ductwork (greater leakage).
2. Wrong type (Uninsulated/Insulated)	Uninsulated door on insulated duct	Insulated door on uninsulated duct
	More heat loss, more noise and bad fit (appearance).	Extra expense and unsightly fit (see below).
3. Wrong standard (Tested/Untested)	Untested (on pressure tested system)	Tested (on small or untested extract system)
	Pressure test fail, higher leakage and energy loss. Increased fan performance to compensate.	More expensive and ineffective.

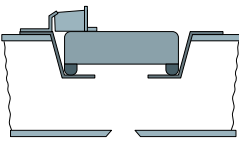
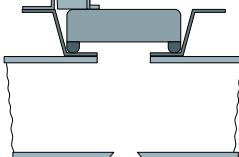
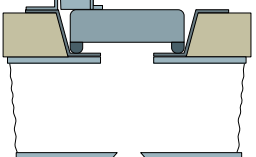
Ergonomic Sizing (minimum height 150mm)

The standard duct access door sizes have been selected after careful study of the needs of site access, enabling the most appropriate unit to be specified, depending on the likely maintenance needs. Typical access shown below:

Sight.	One hand and sight.	Two hands and sight.	Head and shoulders.	Body entry and ladder.
200x100mm	300x150mm	450x300mm	450x450mm	600x500mm
				

Mounting Methods

To achieve optimum performance and appearance of your ductwork system please observe the following:

✘ Wrong.	✘ Wrong.	✔ Correct.
Door protrudes into ductwork.	Door fitted to uninsulated duct.	Insulated DW144.
		



Company profile - ISO 9001:2015

AMS Air Movement Supplies has served the Irish market under many names since 1998. We offer a complete package that is unrivalled as we are the only Irish manufacturer of grilles, dampers and fire rated ductwork. Our 40,000 sq. foot warehouse contains a vast array of diffusers, fans, flexibles and channels. Our turnaround times are renowned and we are acutely aware how much time costs to a delayed contractor.

We are **ISO 9001** certified and have completed an FPC (*Factory Production Control*) audit which is appraised annually and ensures the quality of all our products. Adherence to strict environmental protection policies and manufacturing methodology produces efficiency in materials that has made us one of the lowest producers of metal waste in Ireland.

Technical support and training

AMS Air Movement Supplies know the importance of getting a suitable fire system and have been involved with testing for over 15 years. We therefore provide a technical support service to all our clients and can provide a Continuing Professional Development (CPD) session on the latest EN regulations for your staff.

Principals in design and construction

SureFire is a fire rated duct systems and is the product of many years of on-site experience and has deliberately used flanges, stiffeners and threaded rods interchangeably in strengthening to provide flexible solutions on-site where space and other criteria make fitting difficult. It is abundantly obvious to most that height is always at a premium and this flexibility allows us to minimise the height requirements for **SureFire** fitters by replacing stiffeners with threaded rods where needed.

Please contact us directly at sales@airmovementsupplies.ie.

*" My grandad always used to say,
'As one door closes, another one opens'.
Lovely Man.
Terrible cabinetmaker. "*

This is not the case with our trained and professional manufacturers who have provided a quality solution for nearly two decades.

To select the right door for your application, please contact:
sales@airmovementsupplies.ie

DUCT

- Fire Duct EN 1366-1
- Smoke Insulated EN 1366-8
- Threaded Rod Mastic, Channel
- Spiral Duct & Fittings

HRV

- Apartment Vent
- Low Ceiling
- Central Extract
- Air Handling Unit
- Apartment Ventilation

DAMPERS

- Fire Dampers EN1366-2
- Single Blade Fire Damper EN1366-2
- Smoke Damper EN1366-10
- Fire Rated Access Doors
- Digital Controls & Interfaces

DIFFUSERS

- Swirl
- 4 Way
- Perforated Plate
- Linear Slot

FANS

- Domestic
- Inline
- Belt Driven High Performance

For more of our range see
www.amsventilation.com

AMS

AIR MOVEMENT SUPPLIES

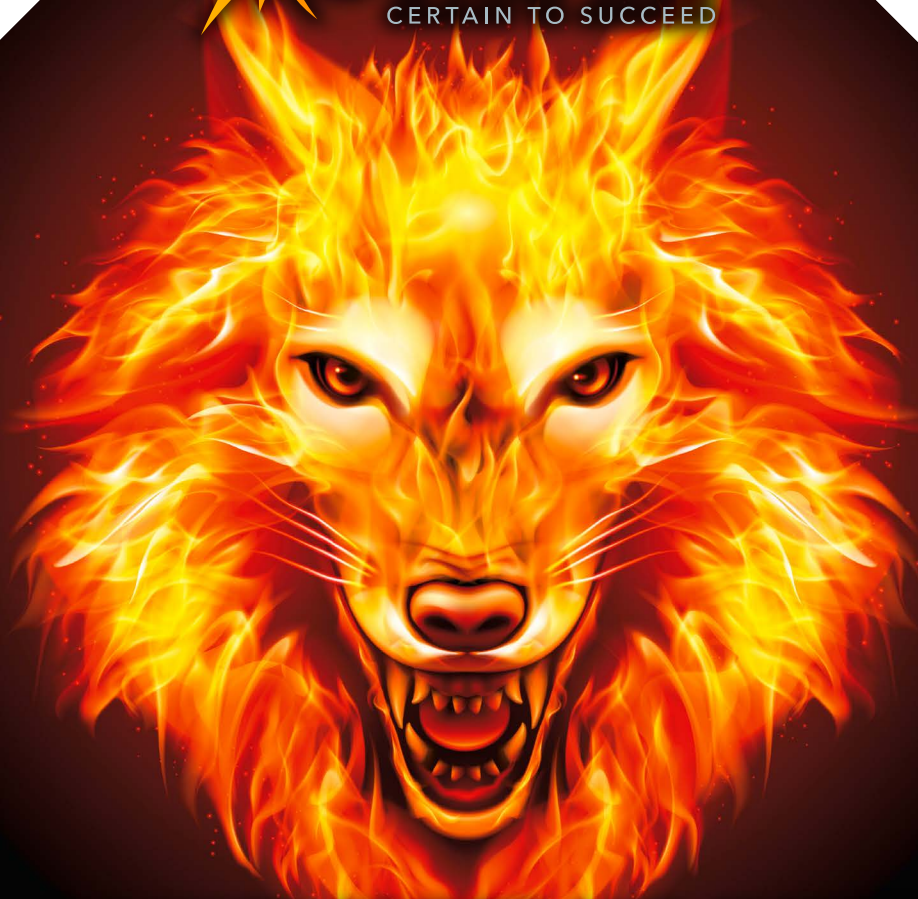
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www.amsventilation.com

*"You don't have to hold
a position to be a leader."
— Henry Ford*



**A RANGE OF FIRE AND SMOKE
RATED DUCTWORK**