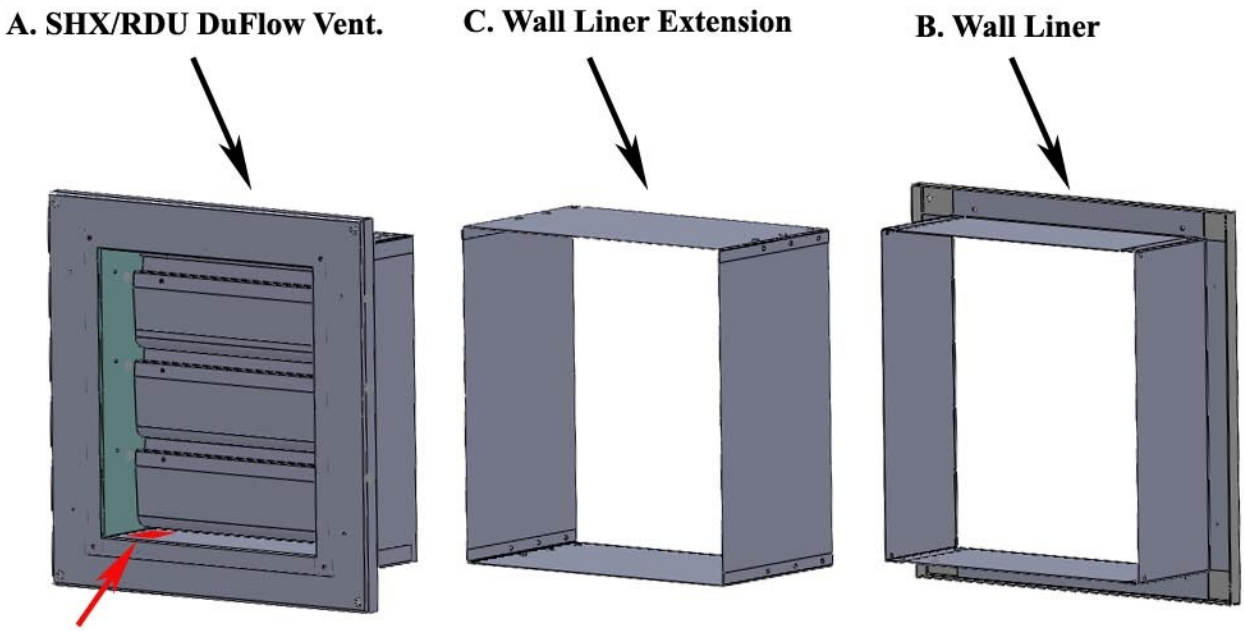
SHX DF/RDU Installation Guide.

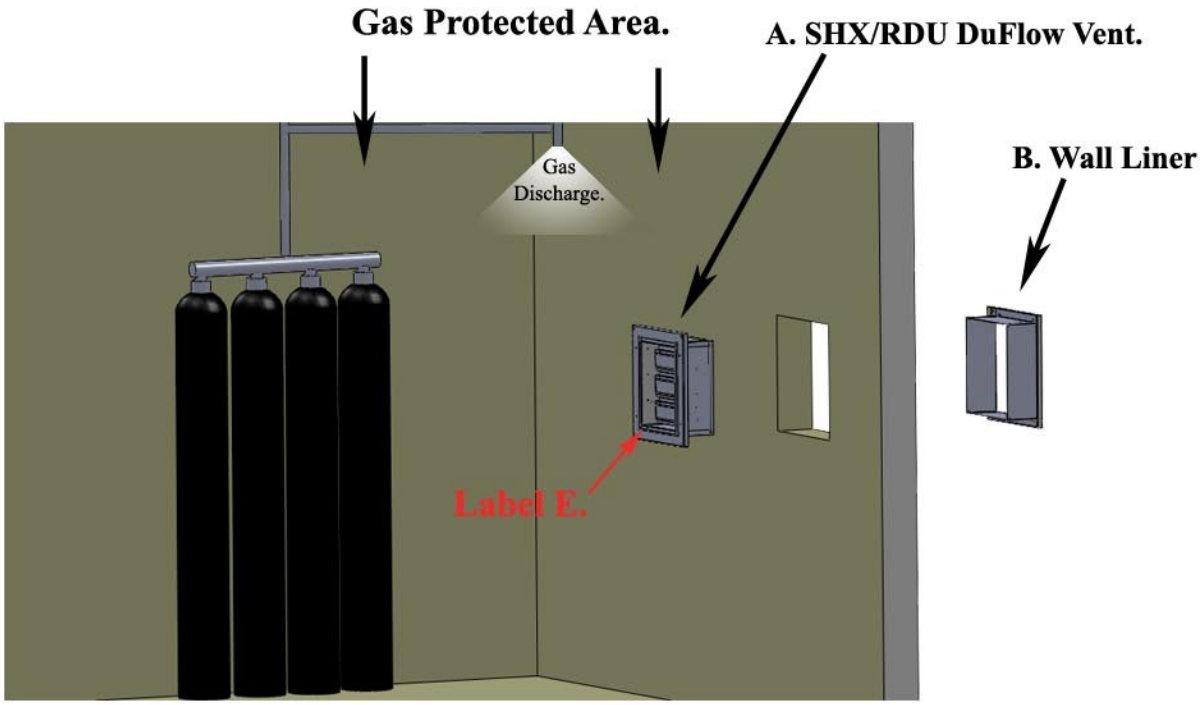
1. SHX DF/RDU Components.



1. Room/Vent Orientation.

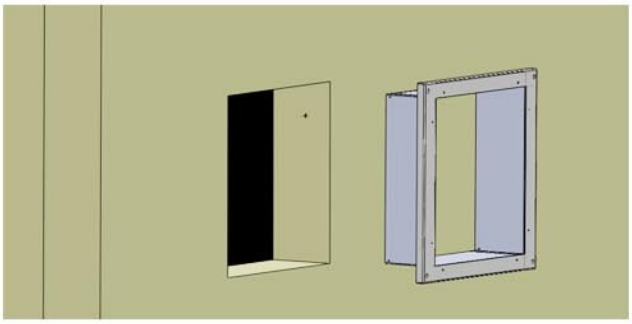
Part A. SHX DF/RDU vent must be fitted from inside the gas protected area for correct venting to be achieved.
Subsiquently in a wall of more that 4in or 100mm B. Wall Liner should be fitted from outside the gas protected area.

Failure to do this correctly will result in incorrect venting. Label E. must be visible from inside the gas protected area.



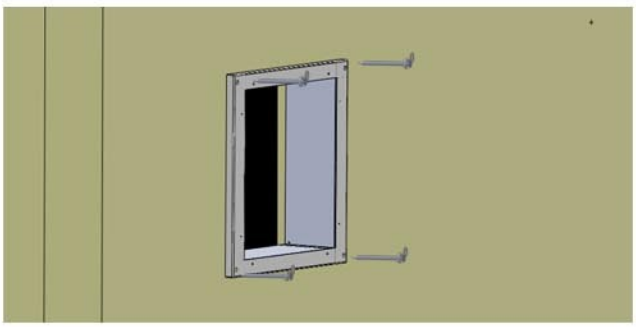
SHX DF/RDU Installation Guide.

2. Fitting the Wall Liner.

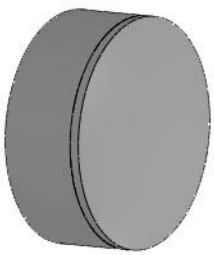


Insert the wall liner into the hole in the wall. Make sure there is a secure enough fixing point behind each screw point.

Insert 2.5in/63mm fixing screw into plastic hinged cover cap.



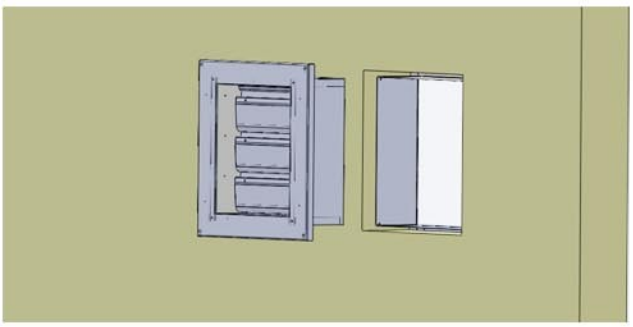
Fix wall liner onto wall with screws.



Snap closed lids on Cover Caps

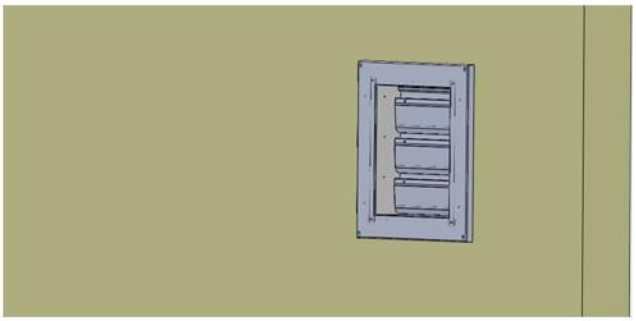
SHX DF/RDU Installation Guide.

3. Fitting the SHX DF/RDU DuFlow Vent.

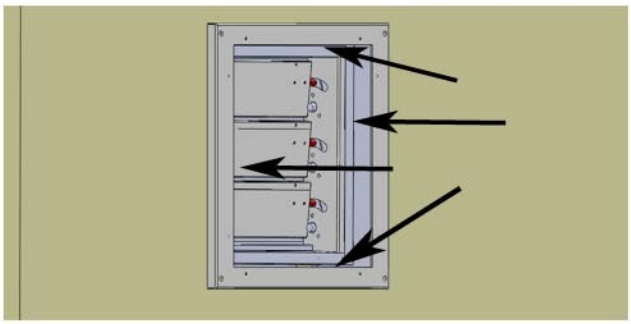


Insert SHX/RDU Vent into the hole in the wall. Make sure there is a secure enough fixing point behind each screw point.

Insert 4 x 2.5in/63mm fixing screws into plastic hinged cover cap.



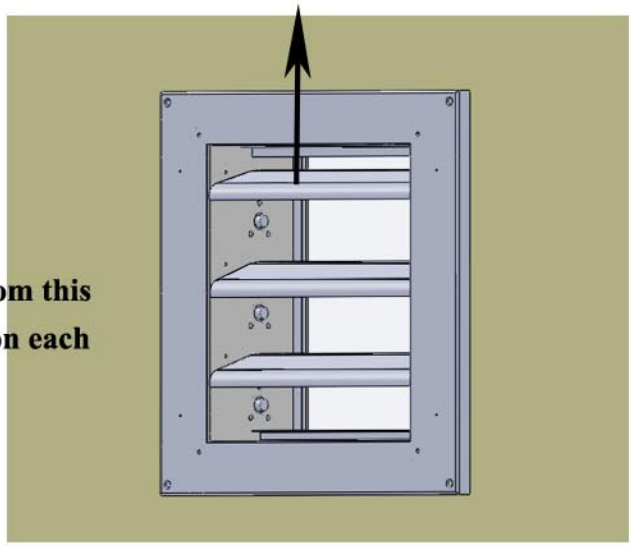
Secure into wall with screws and snap on screw caps..



From Wall Liner Side run a bead of intumescent mastic around the gap where the vent and wall liner meet.

SHX DF/RDU Installation Guide.

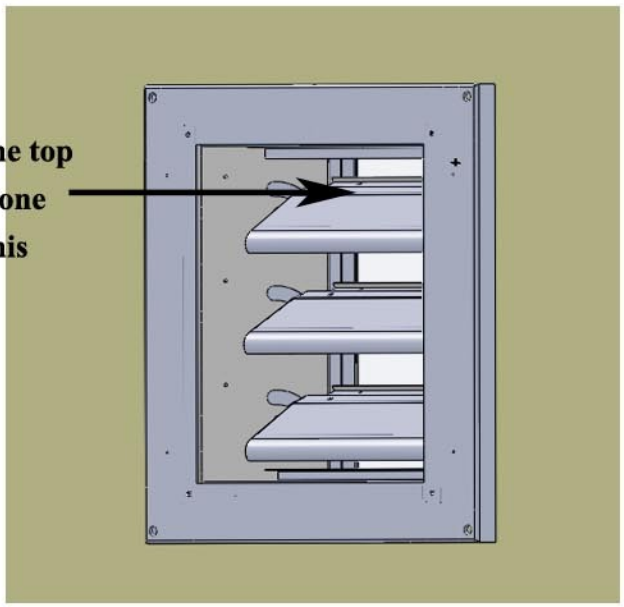
4. TESTING VENT OPERATION..



Lift from this point on each blade.

Test negative pressure relief from inside the gas protected area. Each blade should be lifted from curved bottom section.

Lift each blade unitl it hits its top stop and allow to drop. Each blade should close fully on its own.



Push on the top middle of one blade in this direction.

Test for positive pressure relief from inside the gas protected area.

Push on the blade until they all reach the end stop.
When you move your hand away make sure all blades close fully on their own.

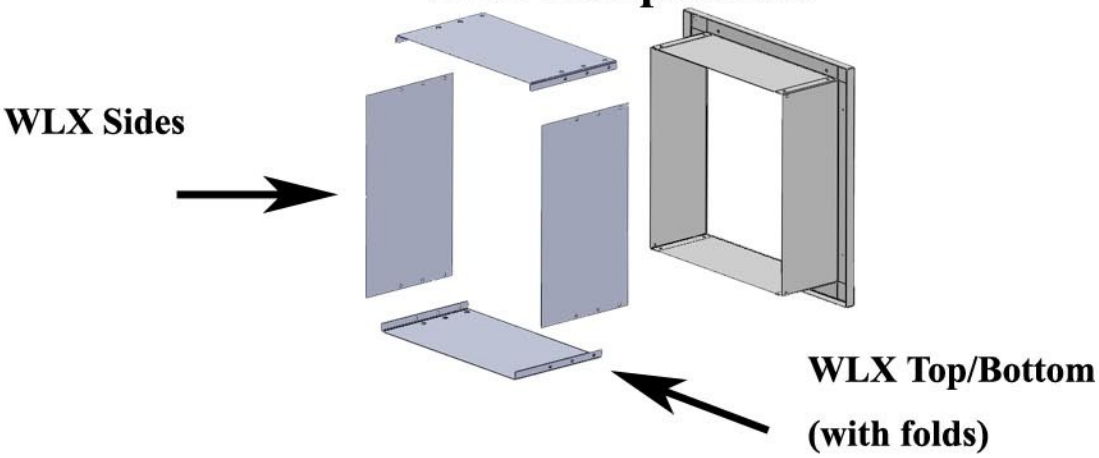
NOTE. If you push to the left or right or the blade the unit can jam. This is not a true representation of operation. Pressure must be applied in the middle of the blade re left to right.

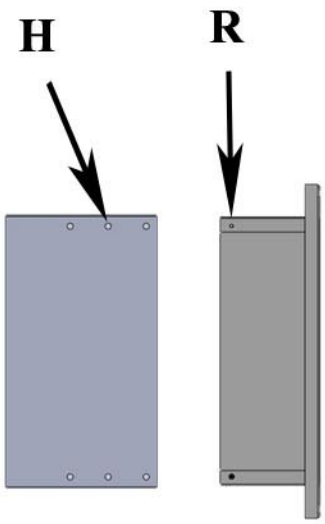
SHX DF/RDU Installation Guide.

5. Fitting a wall liner extension

For walls of more than 8 in/200mm thick the WLX must be used. Note for walls exceeding 13in/350mm the wall will have to be seperately lined.

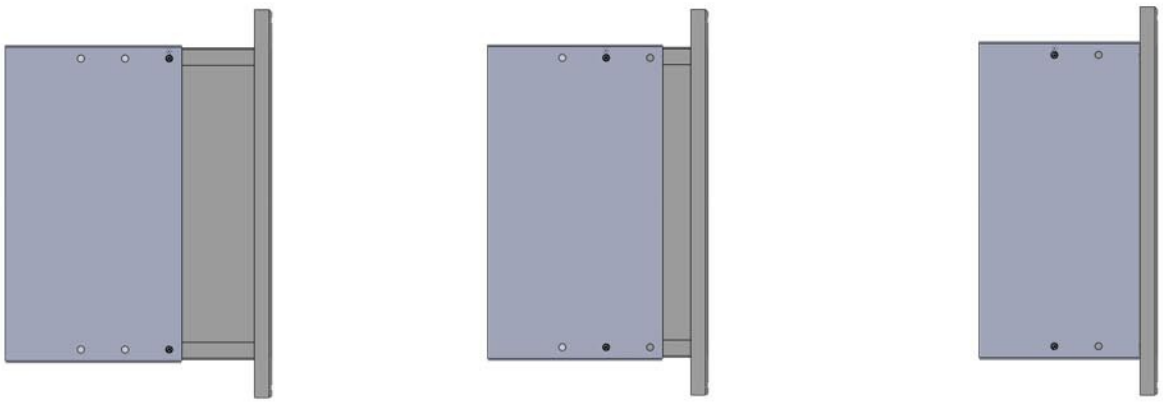
WLX Components.





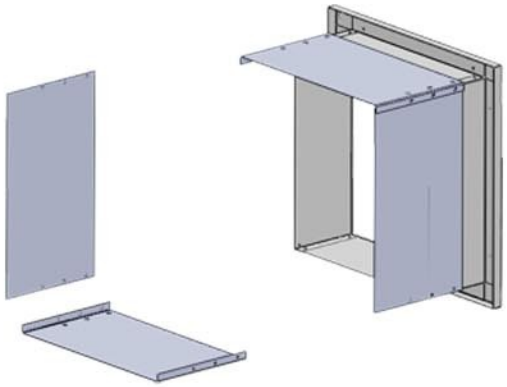
The three holes H. in the Top and Bottom WLX components are to fit over protruding wall liner rivet. R.

There are 3 size configurations. Choose the one where the WLX does not protrude out of the wall but will overlap the SHX DF/RDU pressure vent.

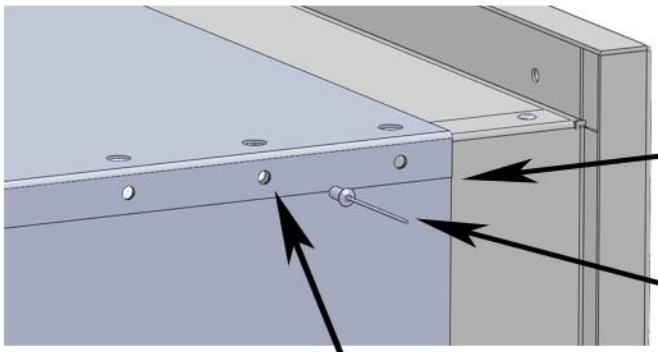


SHX DF/RDU Installation Guide.

6. Fitting a wall liner extension

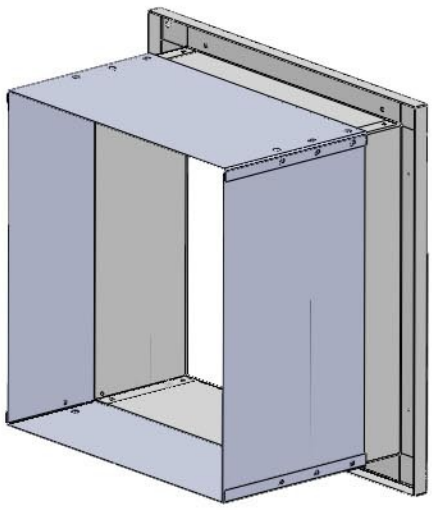


Place one side and one top/bottom WLX component onto the wall liner at selected configuration.



Make sure the side is underneath the fold of the top/bottom fold.

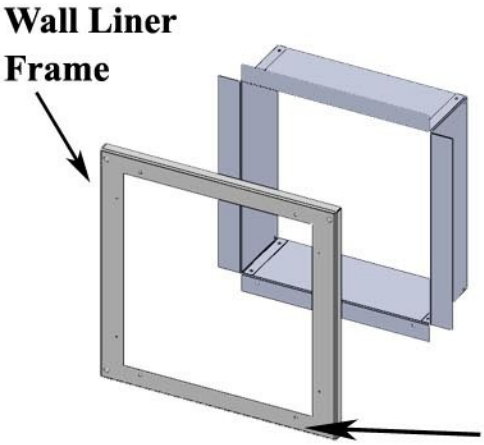
Using rivet provided fix into place. You might need to run an 11/64 or 4.5mm drill to clear the hole.



Proceed to repeat at each corner until the WLX is secure all round.

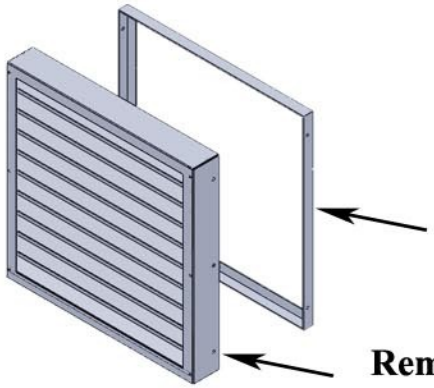
SHX DF/RDU Installation Guide.

7. Fitting an SHX DF L/RDUL External louver.

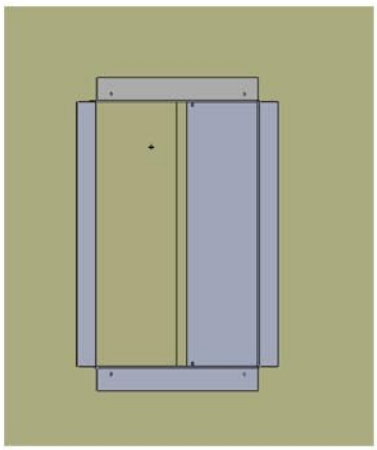


First remove frame from Wall liner.

If needed attach WLX to Wall liner for walls of more than 8in/200mm.

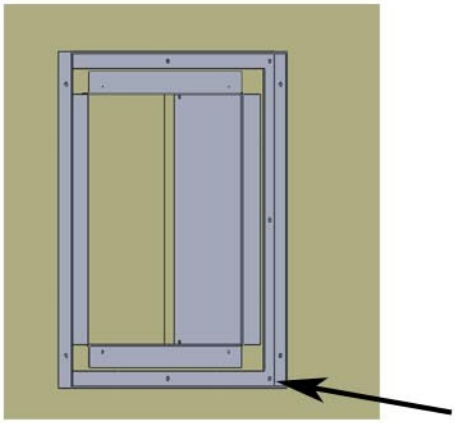


Remove the fixing screws that hold the EXP to its fixing frame.



Drill fixing 4 x fixing holes in the wall liner at places where sufficient fixing can be achieved.

Place wall liner into wall and fix with 4 x screws.

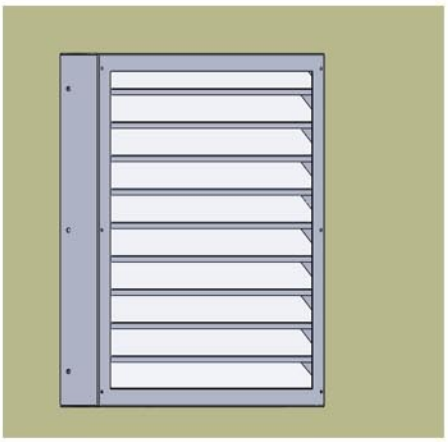


Attach EXP fixing frame with 4 x screws for 300 size and 8 screws for 500 size taking care to orient frame so it is level and equally spaced from the wall liner flange.

It is the responsibility of the installer to ensure that the fixings and fixing points are secure and strong.

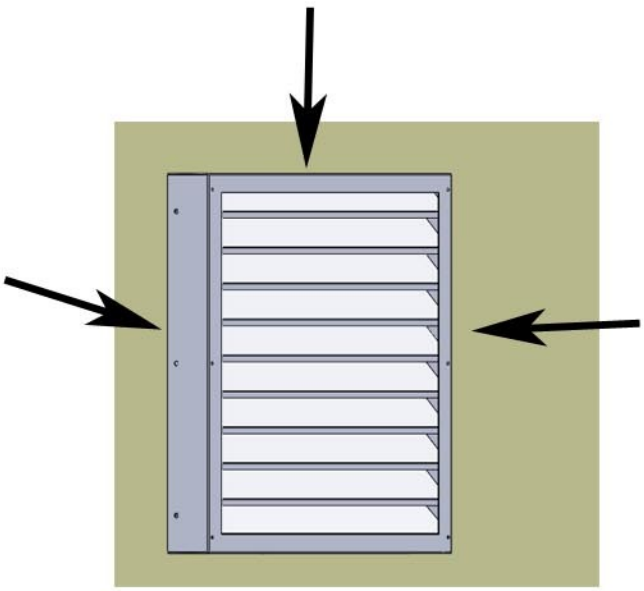
SHX DF/RDU Installation Guide.

8. Fitting an SHX DF L/RDUL External louver.



Fit EXP box over fixing frame and re attach with original screws.

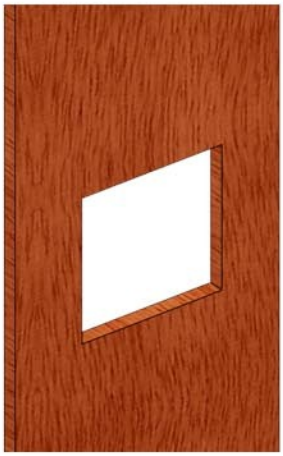
Re Attach with screw.

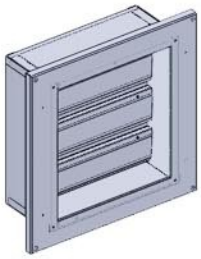


Finally run a bead of silicon on three sides indicated to seal EXP to wall.

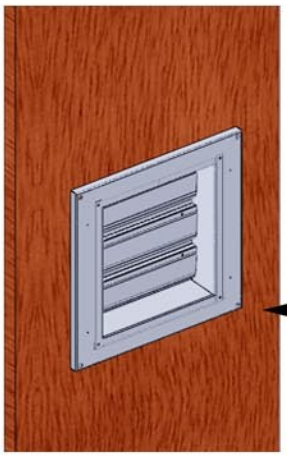
SHX DF/RDU Installation Guide.

9. Fitting an SHX DF /RDU vent into a door or thin wall.



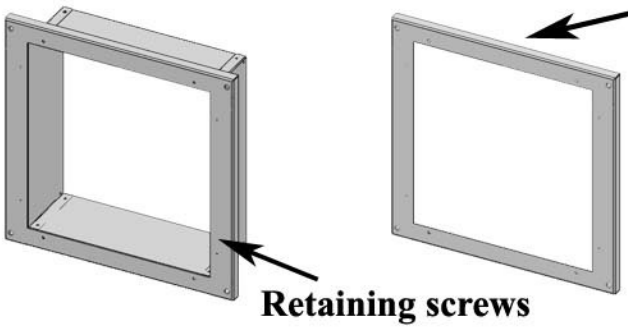


For installation into thin wall or doors insert the pressure vent into the hole as usual making sure that it is installed from inside the gas protected are.



Screw into place with 4 x fixing screws.

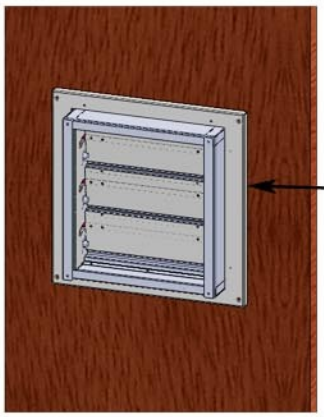
Screw into place.



Wall Liner Frame

Undo wall liner frame retaining screws, remove wall liner frame and replace retaining screws to cover holes.

Retaining screws

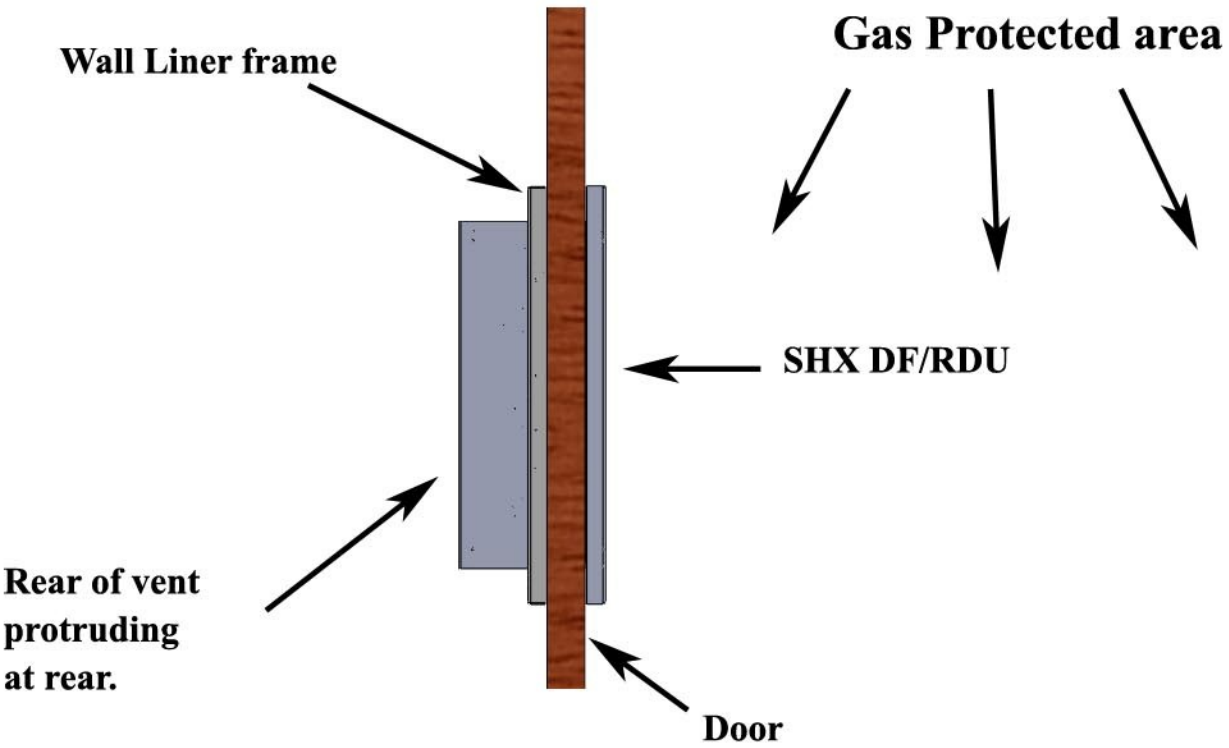


Place the wall liner frame over the back of the pressure vent and screw into place.

SHX DF/RDU Installation Guide.

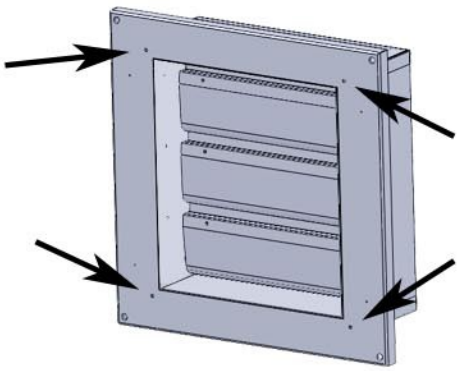
10. Fitting an SHX DF /RDU vent into a door or thin wall.

When an SHX DF/RDU DuFlow pressure vent is installed into a door the back of the vent protrudes out of the door away from the gas protected area. In certain situations where the door opens onto a wall this may cause the vent to hit the wall and restrict the opening of the door. The vent can only be installed as the small red typed sticker on the vent states from inside that gas protected area. In this case the front frame of the vent can be removed by drilling out the rivets as well as the dust covers and then riveted back on in reverse so that the frame is now on the back of the vent instead of the front.When riveting these parts into place steel rivets must be used in order to maintain the fire rating of the unit.

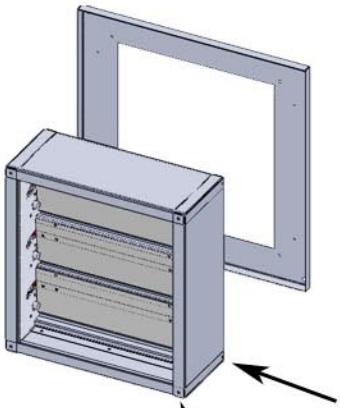


SHX DF/RDU Installation Guide.

11. Reversing the casing of an SHX DF /RDU vent.



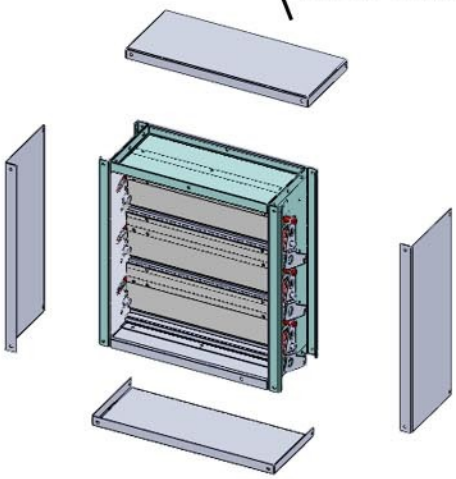
Drill out Frame retaining rivets with drill no bigger than 4.5mm dia



Remove front frame.

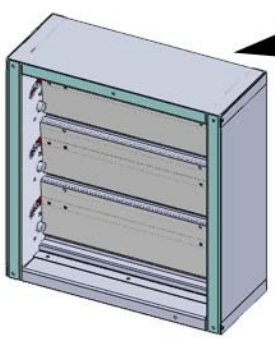
Drill out all dust cover retaining rivets with no bigger than a 4.5mm dia drill

Drill Out Rivets



Remove Dust Covers.

Dust cover folds are now at rear.

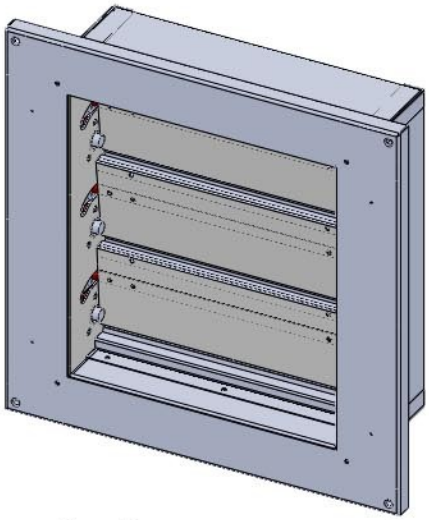


Reverse Dust Covers and rivet back into place with STEEL 4.0 mm rivets

SHX DF/RDU Installation Guide.

12. Reversing the casing of an SHX DF /RDU vent.

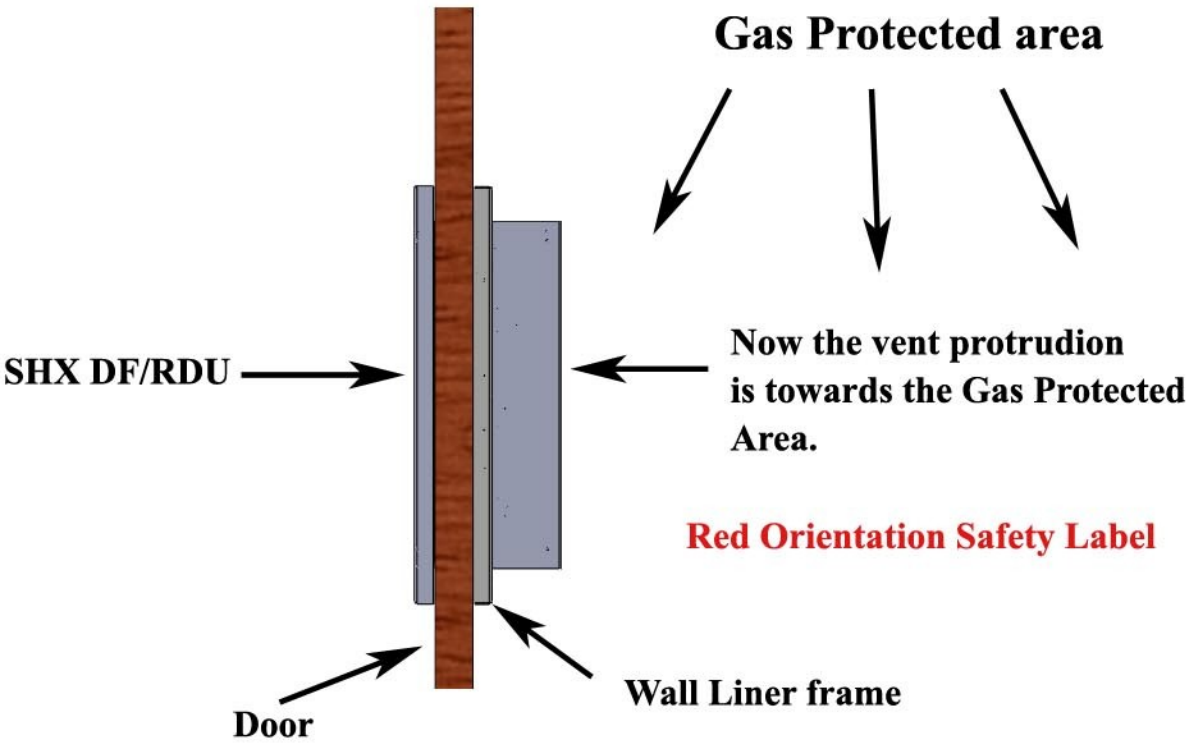
Rivet Frame onto revers side of pressure vent with 4.0mm dia steel rivets (or imperial equivelant).

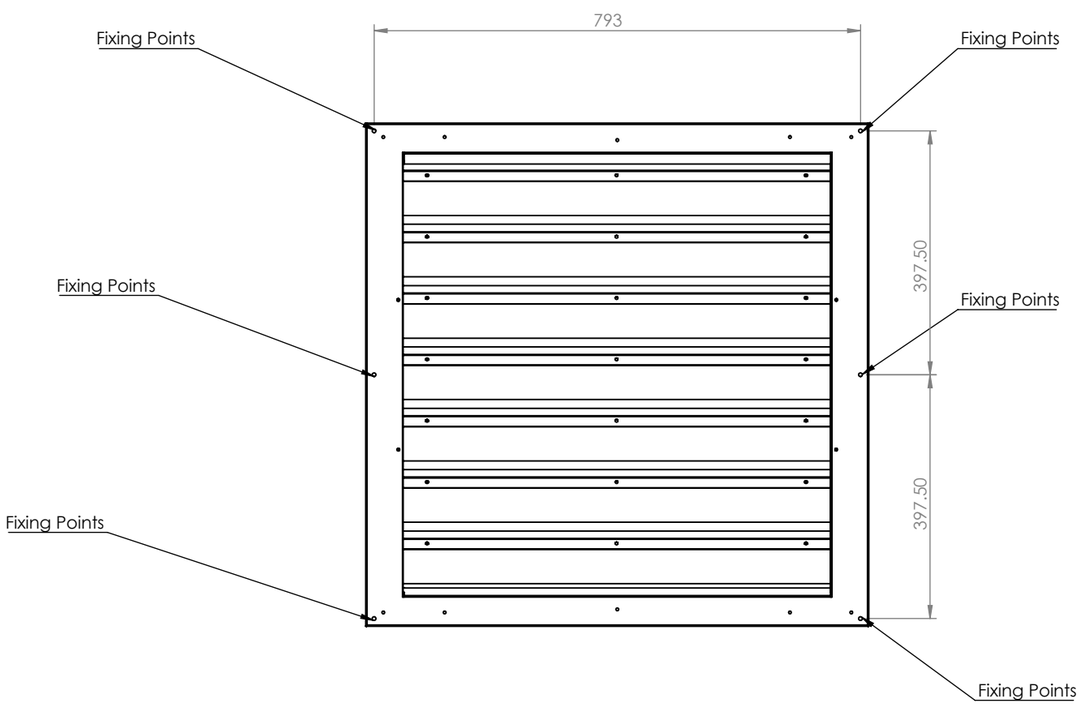


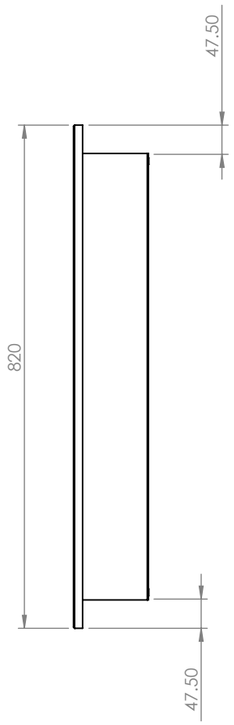
RED ORIENTATION SAFETY LABEL SHOULD NOW BE ON THIS SIDE.

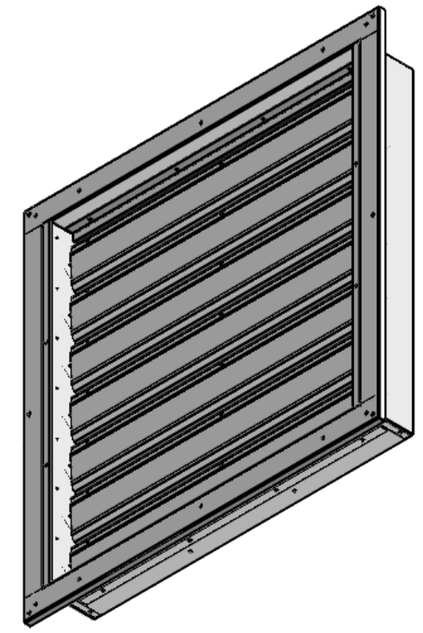
For installation follow standard process except that in this instance the vent must be installed from outside the gas proteced area. Make sure that the small red printed warning label is inside the Gas Protected Area.

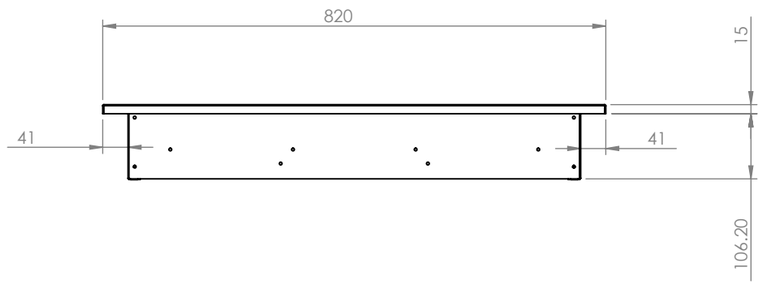
Reversed Vent Casing











All undimesioned holes 4.5. All dims +/- 0.2

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Q.A				MATERIAL:			DWG NO. Dux 700 Fixing Points.	A3
				WEIGHT:			SCALE:1:10	SHEET 1 OF 1

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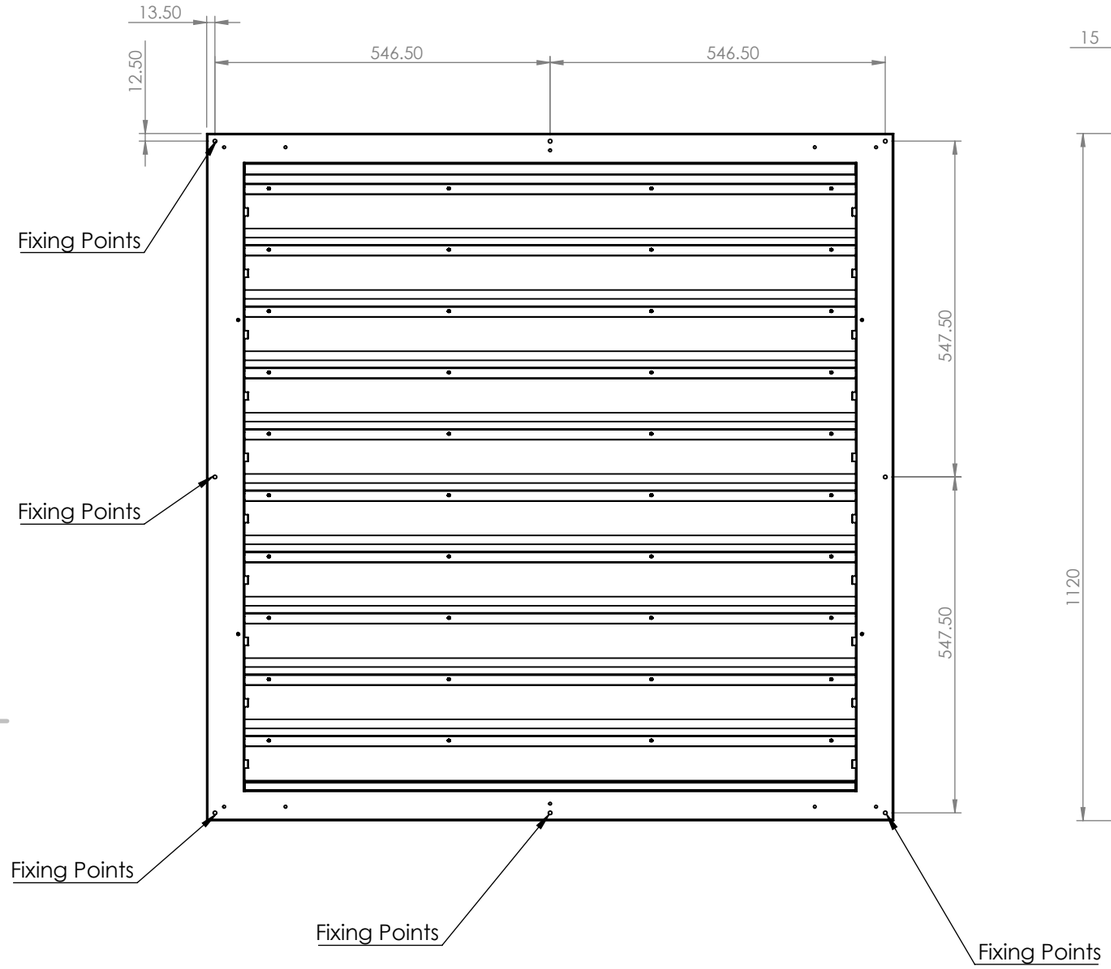

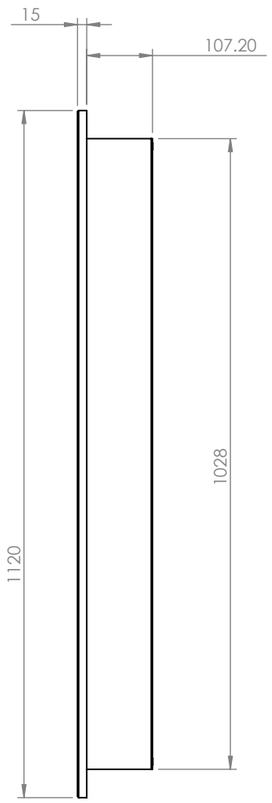

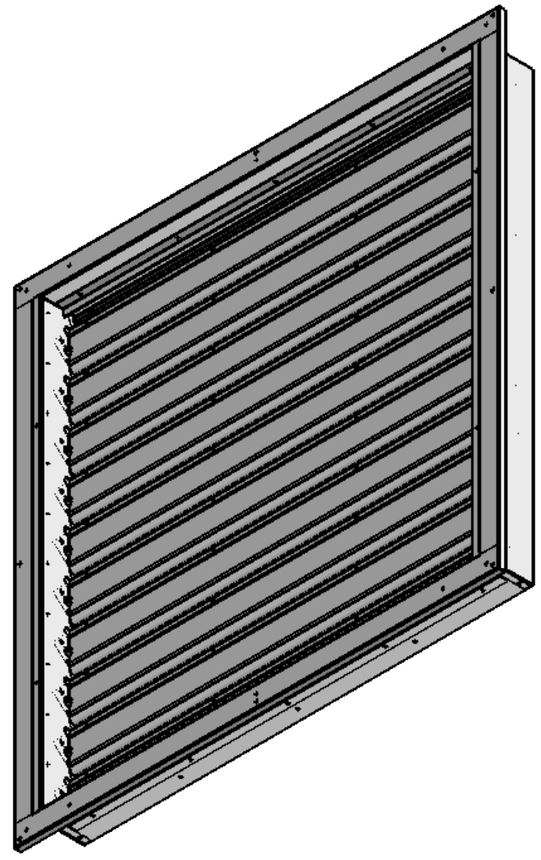

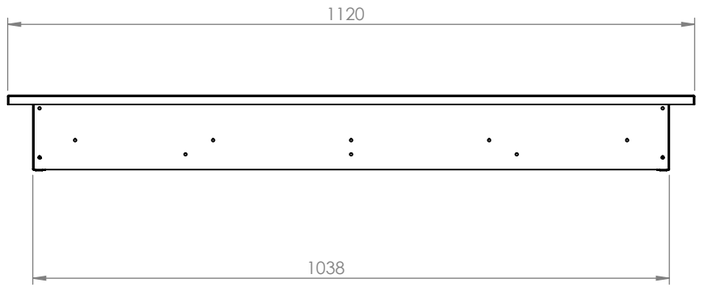

All undimesioned holes 4.5. All dims +/- 0.2

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				WEIGHT:	SCALE:1:10	SHEET 1 OF 1

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