

## DMX

*TWO WAY MODULAR VENT FOR CHEMICAL AGENTS*



## INSTALLATION GUIDE

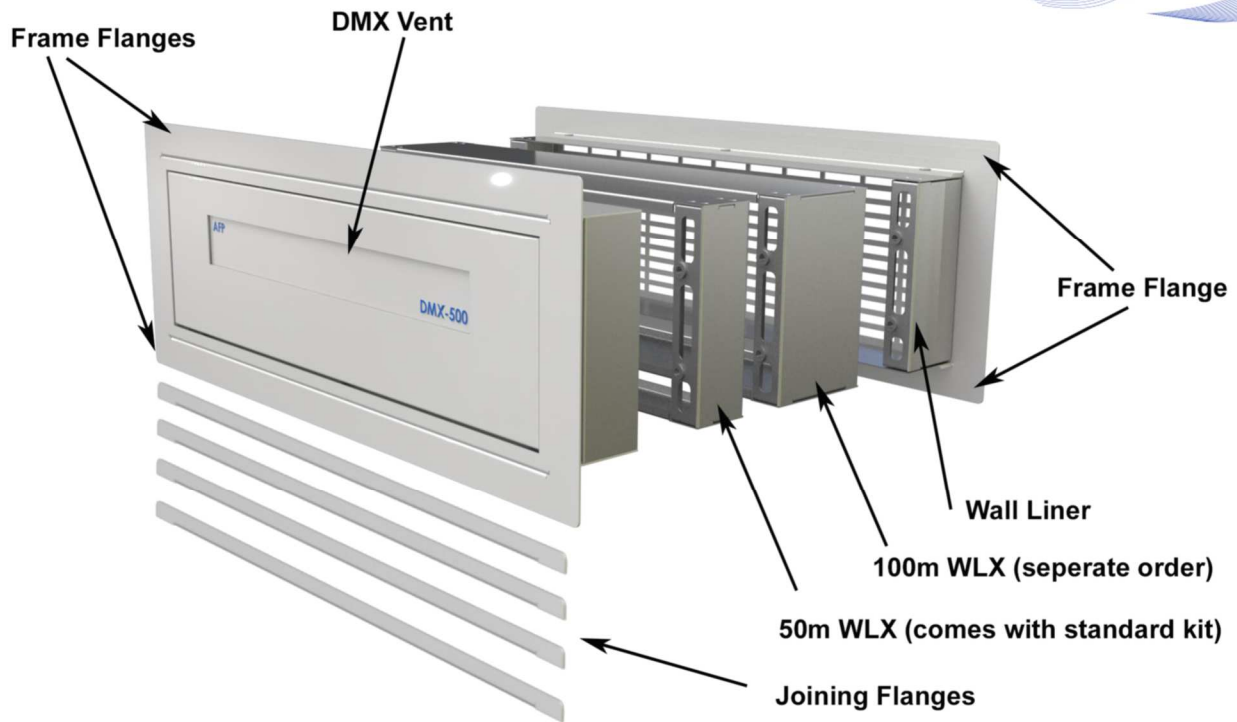
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## DMX COMPONENTS



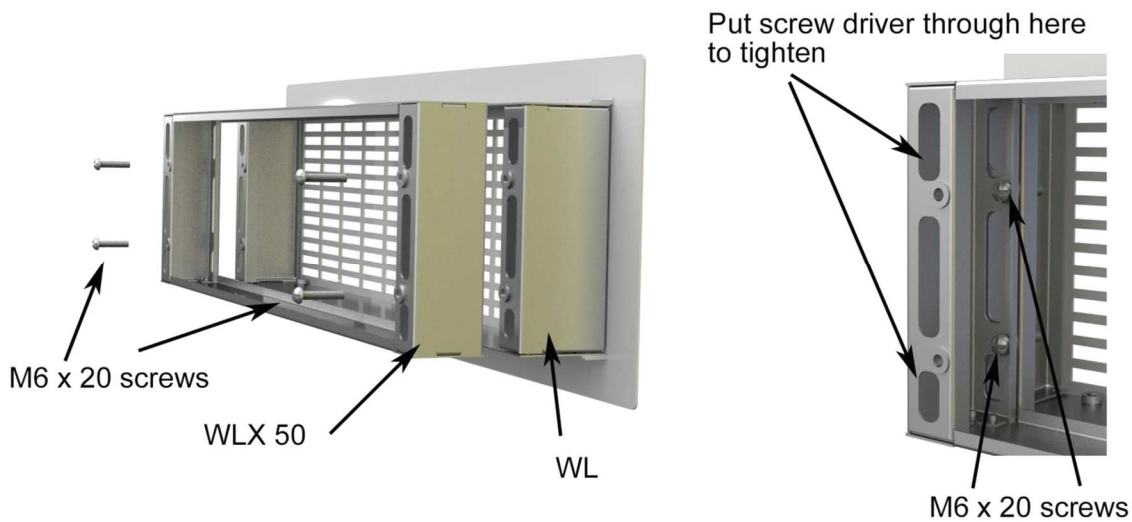
## SINGLE VENT INSTALLATION

- ◆ Fix frame flanges to vent and wall liner with M5 countersunk screws.



## SINGLE VENT INSTALLATION

### Fitting 50 mm Wall Liner Extension (WLX)



- ◆ The DMX will fit into a wall from 100mm to 140mm thick. For walls between 140mm and 190mm attach 50mm WLX (comes with standard kit)
- ◆ Attach the WLX 50 to the wall liner (WL) using the M6 x 20 screws.

### Fitting Additional Wall Liner extensions (WLX)

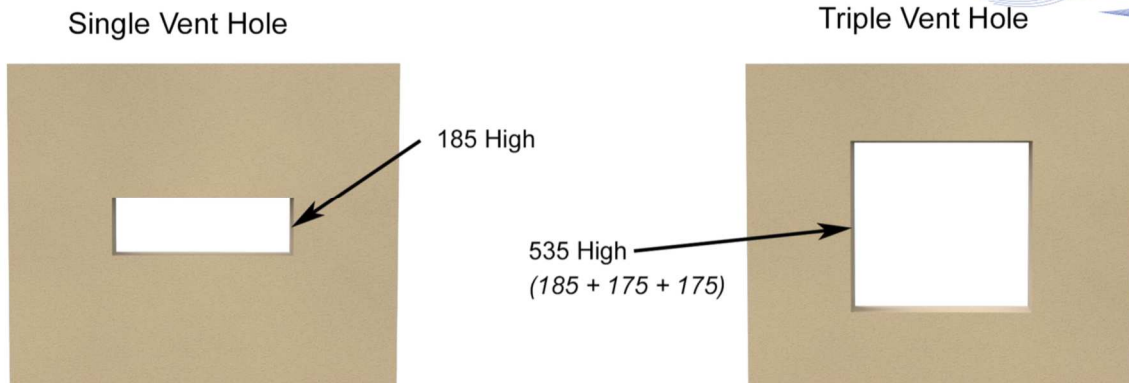
- ◆ For walls thicker than 190mm extra WLX 100s need to be purchased and installed.



Wall Thickness	WLX 100 to install
190 to 290mm	1 x WLX 100
290 to 390mm	2 x WLX 100
390 to 490mm	3 x WLX 100 etc.

## SINGLE VENT INSTALLATION

### Wall Hole Cutout



- ♦ DMX 300 Single Vent Cutout Hole 360 Wide x 185 High. For each additional unit add 175mm to the height eg 3 x DMX 300 units requires a 360 Wide x 535 High (185 + 175 + 175) cutout hole.
- ♦ DMX 500 Single Vent Cutout Hole 560 Wide x 185 High. For each additional unit add 175mm to the height eg 3 x DMX 500 units requires a 560 Wide x 535 High (185 + 175 + 175) cutout hole.

### Insert Vent and Wall Liner

Inside Gas Protected Area



Outside Gas Protected Area



Temporary fixing screws into the wall here

- ♦ Insert the vent into the wall. This should be from within the gas protected area. If working alone the vent can be temporarily secured with screws through the side casing (do not over tighten) To open the door press on the bottom of the small inner door to open and then pull on the main door to open.
- ♦ Insert the wall liner into the wall making sure the rear fits into the rear of the main vent.



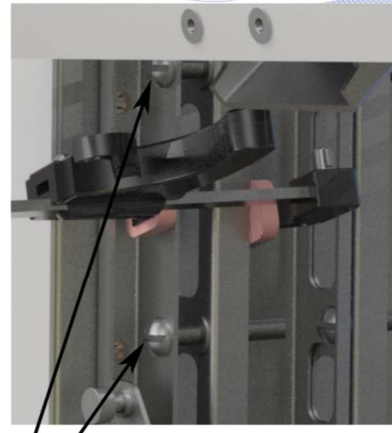
## SINGLE VENT INSTALLATION



Use 'Quick Grip' clamp or hold whilst screwing the units together.



Use 4 x M6 x 40 or 4 x M6 x 65mm screws.  
2 on either side of the vent



### Fixing The Vent

- ◆ Once the wall liner is inserted it can be held in place using a quick grip. If you don't have one then it is important to hold onto the wall liner and vent whilst the fixing screws are fixed in place so the vent parts don't accidental fall out.
- ◆ To fix the units together use 4 x M6 fixing screws. Either the 40mm or 65mm depending on which ones fit to allow the units to be held together firm against the wall.

### WARNING

Do not over-tighten the fixing screws.



### Finish

- ◆ Remove any clamps and close the door.



## MULTI VENT INSTALLATION

### Fixing The Flanges

- ♦ Installation of multiple vents is the same as an individual except for the flange attachment configuration.

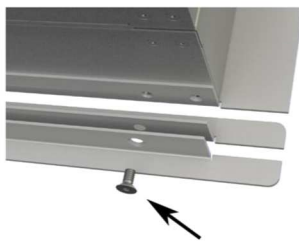
Large flange goes on the top vent and wall liner

and

The bottom vent and wall liner



2 small joining flanges fit on the bottom of each vent and wall liner except for the bottom vent of a modular assembly

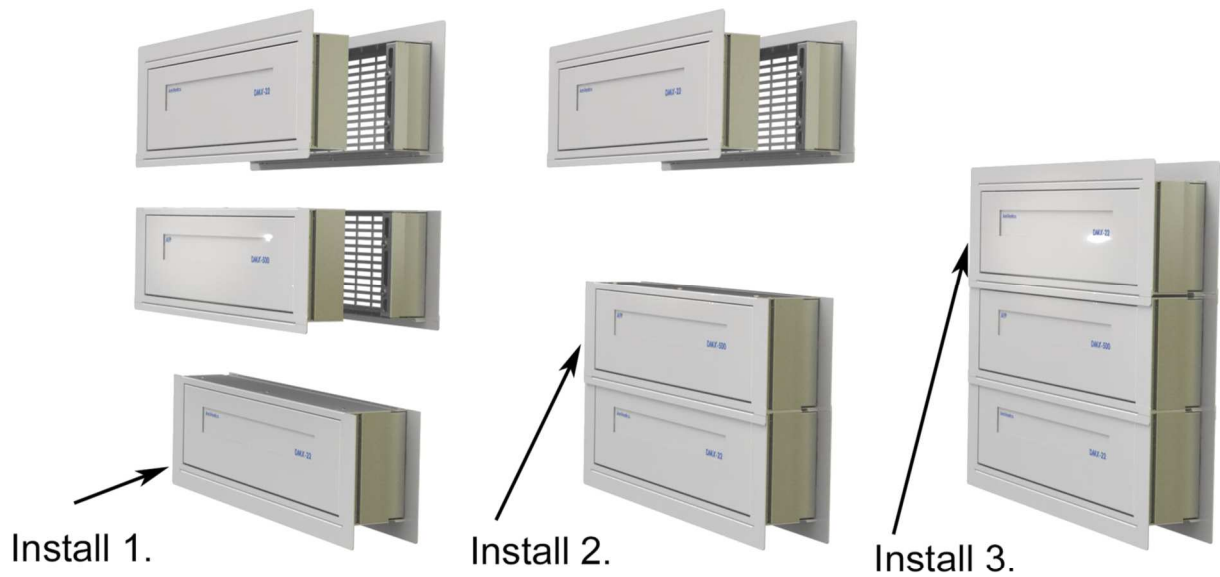


Fixing Joining Flanges with M5 Countersunk Screws

## MULTI VENT INSTALLATION

### Multivnet Installation Order

- ◆ For ,multivalent modular installation use the same method as single vent installation.
- ◆ Start with the bottom vent and work upwards.



Single Vent Install



Multi-vent Install.





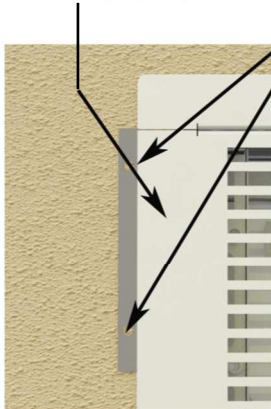
## EXTERNAL LOUVRE INSTALLATION

### Parts



### Fixing the Fixing Brackets

Line the spacer up with the side casing and the flange join point. Mark and drill.



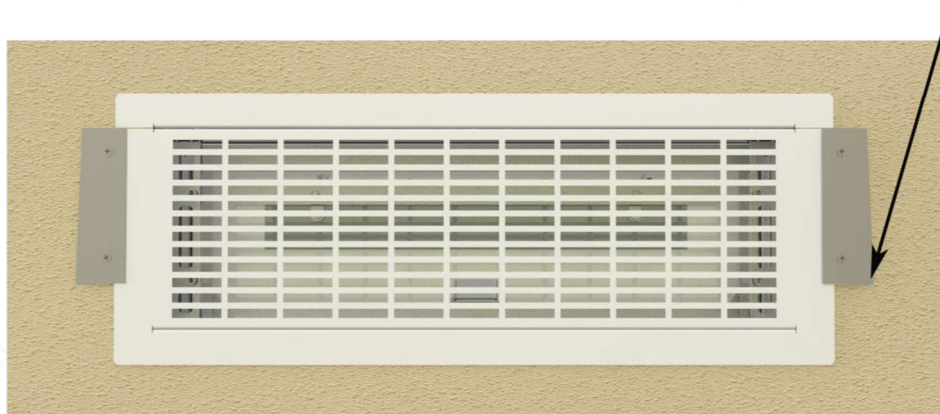
Insert plastic plugs.



Screw fixing bracket and spacer into place.



Make sure the brackets are orientated as below with the widest part at the bottom.



## EXTERNAL LOUVRE INSTALLATION

### Fit the Louver



Slide the louver down the wall.



Making sure the louver tab goes behind the fixing bracket.



If the wall is rough or uneven you may need to loosen the screws holding the fixing bracket.

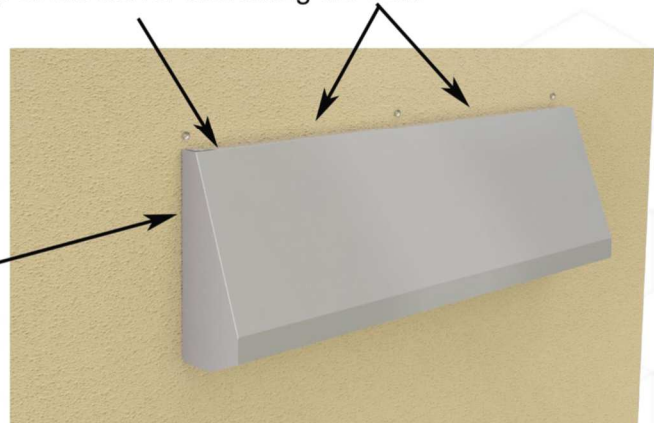
### Fit the Weather Cap



Place weather cap on louver.  
Mark and drill fixing holes.

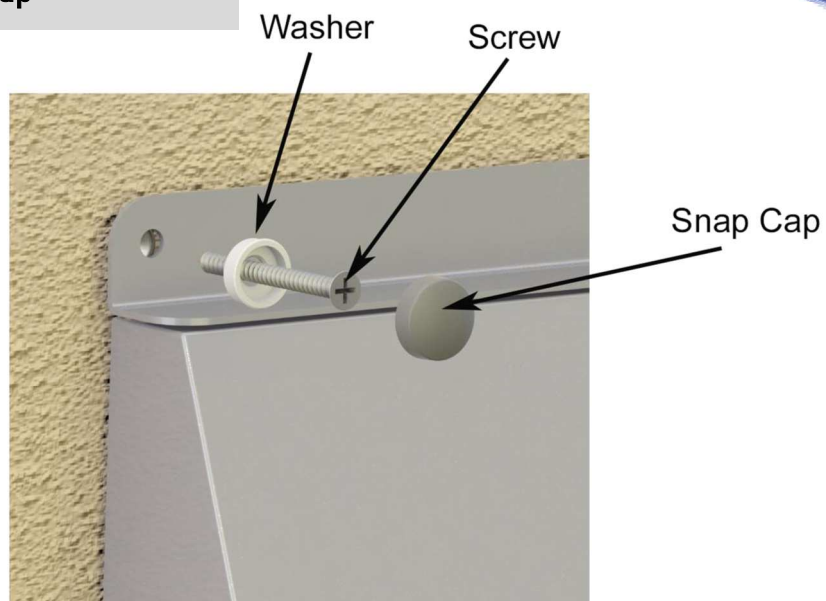
Place silicone seal the top of the louver and along the wall.

Silicone seal around the louver sides



## EXTERNAL LOUVRE INSTALLATION

### Fix Weather Cap



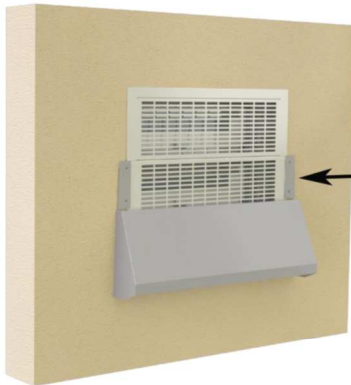
### Finished Installation





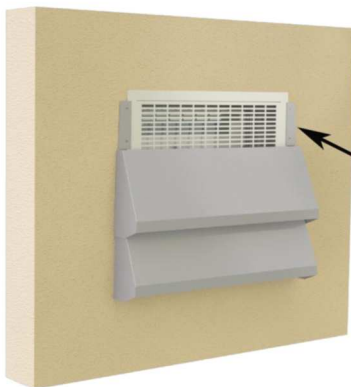
## EXTERNAL LOUVRE INSTALLATION

### Multi Louver Install



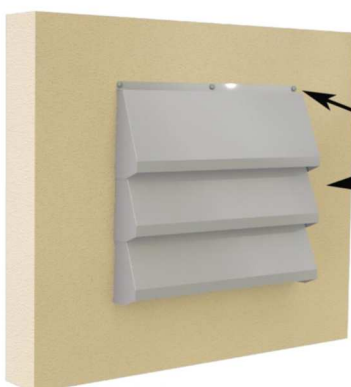
First install bottom louver as per previous instructions.  
**Do not install weather cap.**

Then fix second louver fixing brackets.



Fit second louver first.

Then install third louver fixing brackets.



Fit final louver.

Silicone sides and top where  
weather cap is to be fitted.

Fit the weather cap.