



# Louvers.

Installation manual



In industrial settings, louvres are often used with wall fans to control the direction and volume of airflow, ensuring efficient ventilation. They can be adjustable or fixed, depending on the specific requirements of the application.

## Install louvres with Wall Plate Exhaust Fans:

- **Weather Protection:** Louvres shield the fan from rain, snow, and debris, ensuring optimal performance in all conditions.
- **Airflow Control:** Louvres regulate the direction and volume of airflow, preventing backdrafts and optimising ventilation efficiency.
- **Security:** Louvres deter unauthorized access while allowing airflow, enhancing safety and security.



Opens  
when fan is  
in operation

### Gravity Closing Louvres

- Aluminium/galvanised or stainless steel construction
- Sizes ranging from 360mm to 1524mm square

### Volume Control Dampers

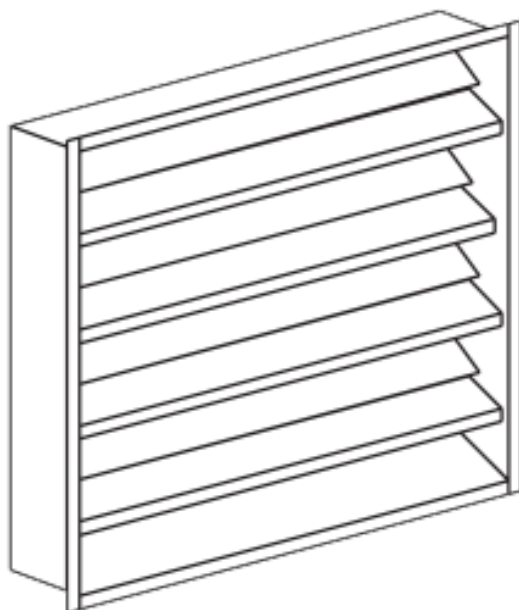
- Aluminium or stainless steel construction
- Available in manual or motorised control
- Manufactured to any size



### Fixed Wall Louvres

- Aluminium, galvanised or stainless steel construction
- Range of colours available
- Vermin mesh fitted
- Manufacture to any size
- Option of filtered or acoustic design

# Louvers dimensions.



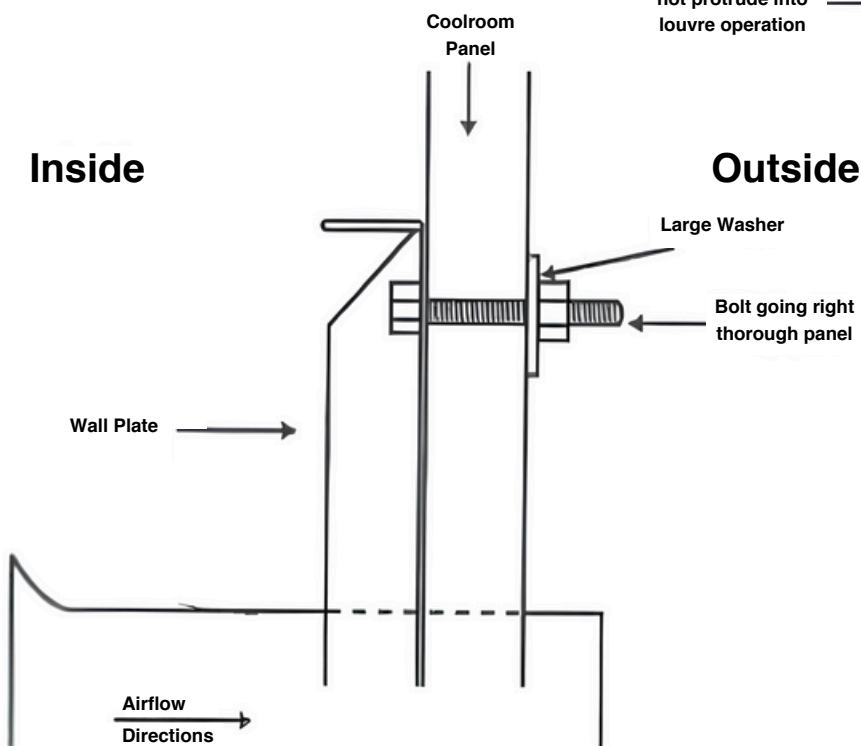
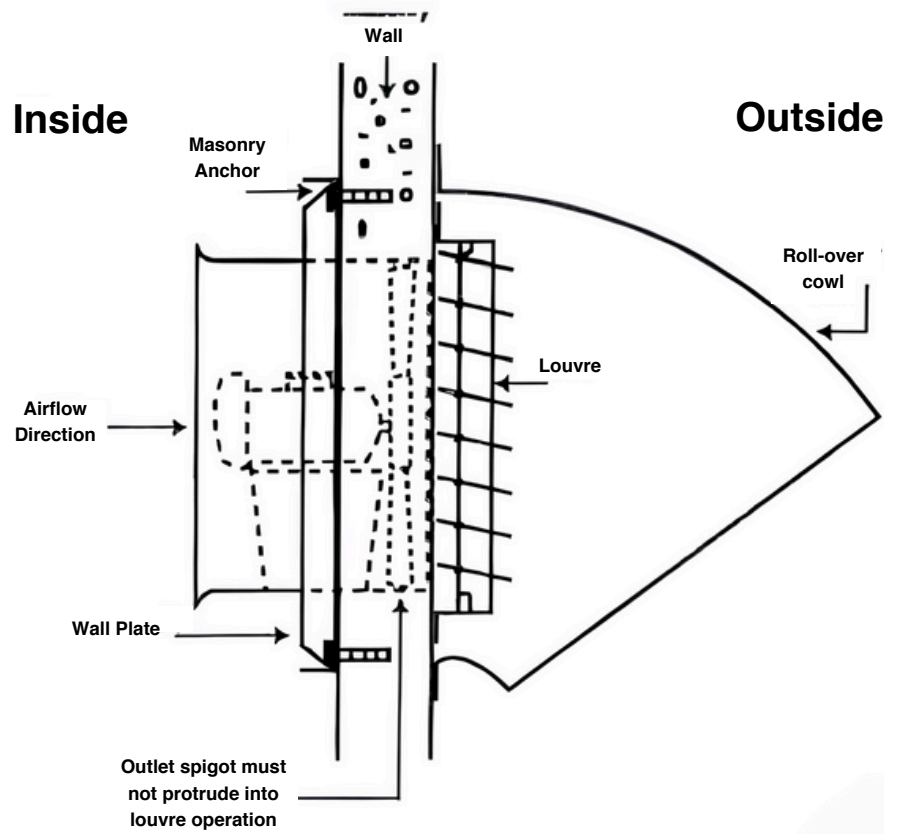
## Product specifications.

To suit Fan Diameter (mm)	Dimensions (mm)	Model number
310	360 x 360	14-4011
410	460 x 460	14-4012
510	560 x 560	14-4013
610	660 x 660	14-4014
810	810 x 810	14-4015
1020	1020 x 1020	14-4016
1220	1220 x 1220	14-4017
1525	1525 x 1525	14-4018

Louvers are typically installed together with Wall Plate Exhaust Fans to enhance their performance and durability. They provide essential functions such as weather protection, airflow control, and security. The installation of louvers is directly connected to the installation of Fanquip's Wall Plate Exhaust Fans, which are versatile for mounting on various walls, including masonry, coolroom panels, or cladded walls. When fitting to masonry walls, ensure sturdy anchoring for support. For coolroom panels, follow manufacturer guidelines for compatible fittings. When installing on cladded walls, ensure proper sealing to prevent air leakage.

## Masonry Wall.

Measure diameter of fan outlet spigot. Transfer dimensions to wall and effect penetration as neatly as possible. Mark and drill the four holes needed to attach wall plate to wall with appropriate masonry anchors. Louvre and roll-over cowl (ROC) are fixed on from the outside.

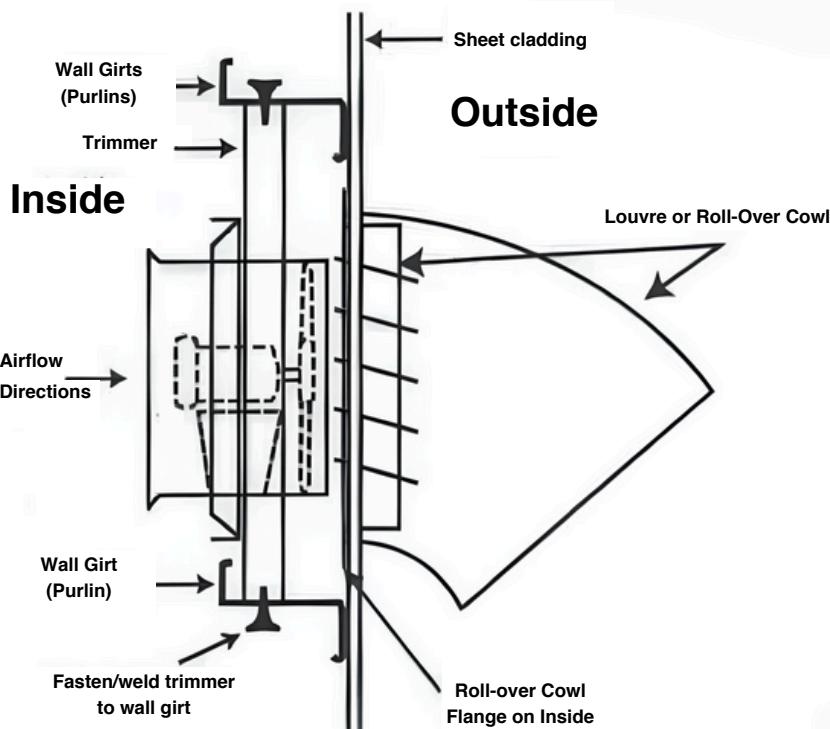
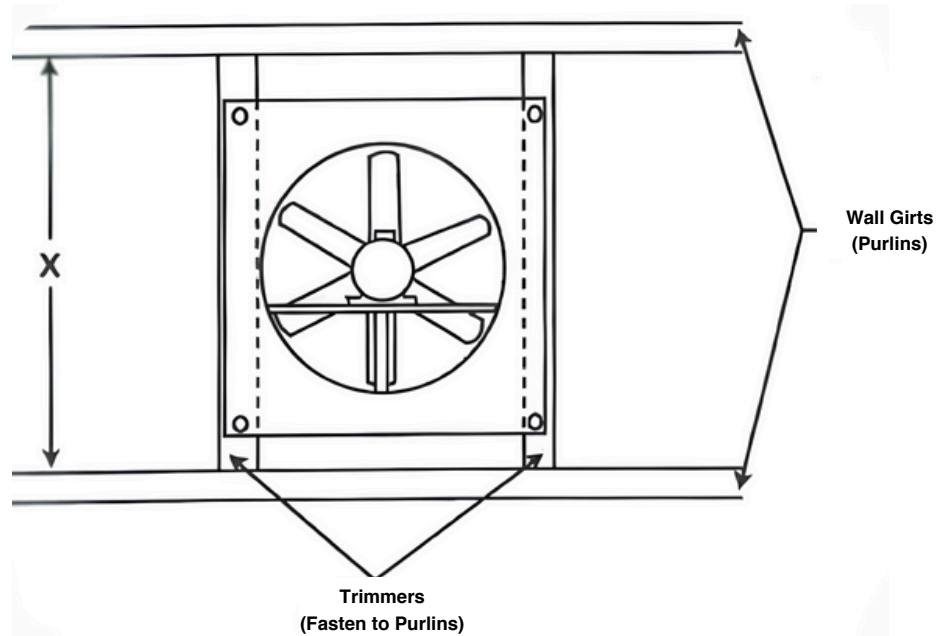


## Coolroom Panel Wall

As per instruction for masonry walls but bolts and large washers are used to secure the wall plate to the wall.

## Sheet-clad walls.

Step 1: Measure distance between wall girts (X) and make up two trim pieces to suit. If louvres or roll-over cowl is to be fitted, cut out cladding to accommodate OD of case. If fan only, cut out in cladding to match OD of fan casting outlet.



Step 2: Fit louvres or ROC from inside and secure to cladding using appropriate fasteners. Position fan wall plate on trimmers ensuring outlet spigot is as close to louvre as possible without obstructing the opening and closing. Fix wall plate to trimmers at correct height and fasten/weld droppers to wall girts.

## General louver installation instructions.

1. Locate all crates, boxes, cartons, etc.
2. Handle louver sections with care to avoid damage. Use the louver frame or supports for lifting, employing multiple points when possible to prevent deformation or distortion. Never lift louvers by the blades. Take caution to preserve the louver finish.
3. Unpack louvers and any accompanying accessories, inspecting them for any damage. Confirm louver dimensions and ensure all necessary pieces are present.
4. Single-section louvers will be shipped fully assembled. Multiple-section assemblies will be shipped as individual louver sections, to be assembled into larger units during installation. Large multiple-section louver assemblies may arrive in multiple crates.
5. Each louver section will have a factory-applied label identifying its size, along with a Tag identification if provided during the order process.
6. Ensure all necessary installation hardware is available, including mounting angles and fasteners (provided by the customer or optionally by the manufacturer). Inspect the opening for any damage or issues that could affect louver installation, removing any obstructions or debris as needed. Confirm adequate substrate depth.
7. Check the opening dimensions to ensure proper louver fit. Verify the opening is square and plumb.

## Pre-installation notes.

- Before installing, thoroughly inspect the louver for any signs of damage. Ensure that the louvers are installed without any twisting or racking. Avoid compressing or stretching the louver into the opening, and refrain from lifting it by the blades or actuator. Instead, handle the louver using the frame.
- Do not install screws or fasteners in a way that could obstruct the unexposed blade linkage, particularly for operable louvers, as this could hinder proper louver operation. Protect the louver actuator, if applicable, from dirt, dust, and foreign materials both before and after installation.
- For guidance on the size, type, and quantity of anchors needed to secure the louver in the opening, consult with the Engineer of record. Always refer to job-specific submittal drawings if available.
- Handle louver sections only by their frames or support members, using multiple lift points if necessary to prevent distortion, racking, or damage to the frame. Never lift the louver section(s) by the blades, and take care to avoid damaging the louver finish, if applicable.
- Caulking, anchors, and fasteners should be provided by others. It's recommended that proper isolation be implemented between louver components and steel building conditions to prevent corrosion.

## Maintenance.

- Louvers that are correctly applied, installed, and proven to operate as intended generally do not demand specific preventive maintenance. However, it's essential to periodically clear any obstructions, dirt buildup, and address any rust or corrosion using mild solvents or detergents. While lubrication isn't necessary, if desired, louver tracks and blade hinges can be lubricated with a dry lubricant. Avoid using petroleum-based lubricants as they tend to attract dust and can eventually hinder the louver's operation.

# Installed louvers.




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