

Ventilation Solutions – Louvre Walls





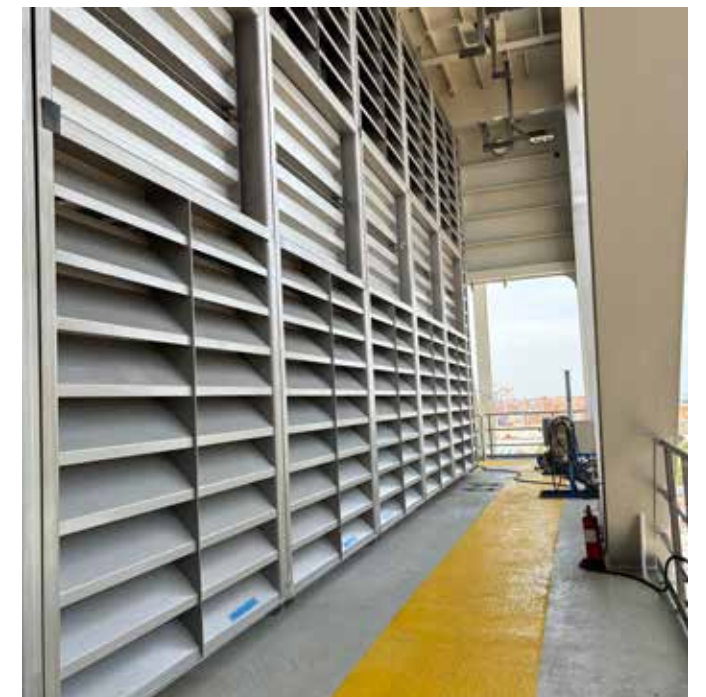
Louvre Walls

Mech-Tool Engineering Ltd (MTE) designs, manufactures, and installs world-class weather louvres and cassette wall systems — tailored to meet specific project requirements in the most cost-effective way. Panels can be supplied as framed units or as unframed systems, in which the panels are fixed directly to support posts using self-fastening screws. A single mechanical through-bolt ensures that no panel becomes detached during extreme storm events, providing a simple, robust and secure installation method suitable for offshore and harsh-weather applications.

MTE weather louvres are designed for ease of installation — with no need for specialist equipment — making them the smart choice for fast, efficient deployment.

They are used across oil & gas, renewables, and industrial facilities, where ventilation systems must perform without compromise. Whether for intake or exhaust, our louvres protect openings against rain and harsh weather while ensuring consistent airflow.

Typical applications include offshore wind farm substations and offshore topside platforms.





The Complete Solution

- Stainless steel 316L materials
- Lightweight
- Simple cost-effective installation
- Miantenance -free stainless steel
- Bespoke design solutions provided
- Quality accreditation to ISO 9001:2015
- Health & Safety Accreditation to ISO 4500:2018
- Environmental Accreditation to ISO 1401:2015

Weather Louvre Performance Data

MTE Weather louvres do not have any moving parts and are designed to work as efficiently as possible at letting air through whilst keeping water out.

Two key requirements of our weather louvres are:

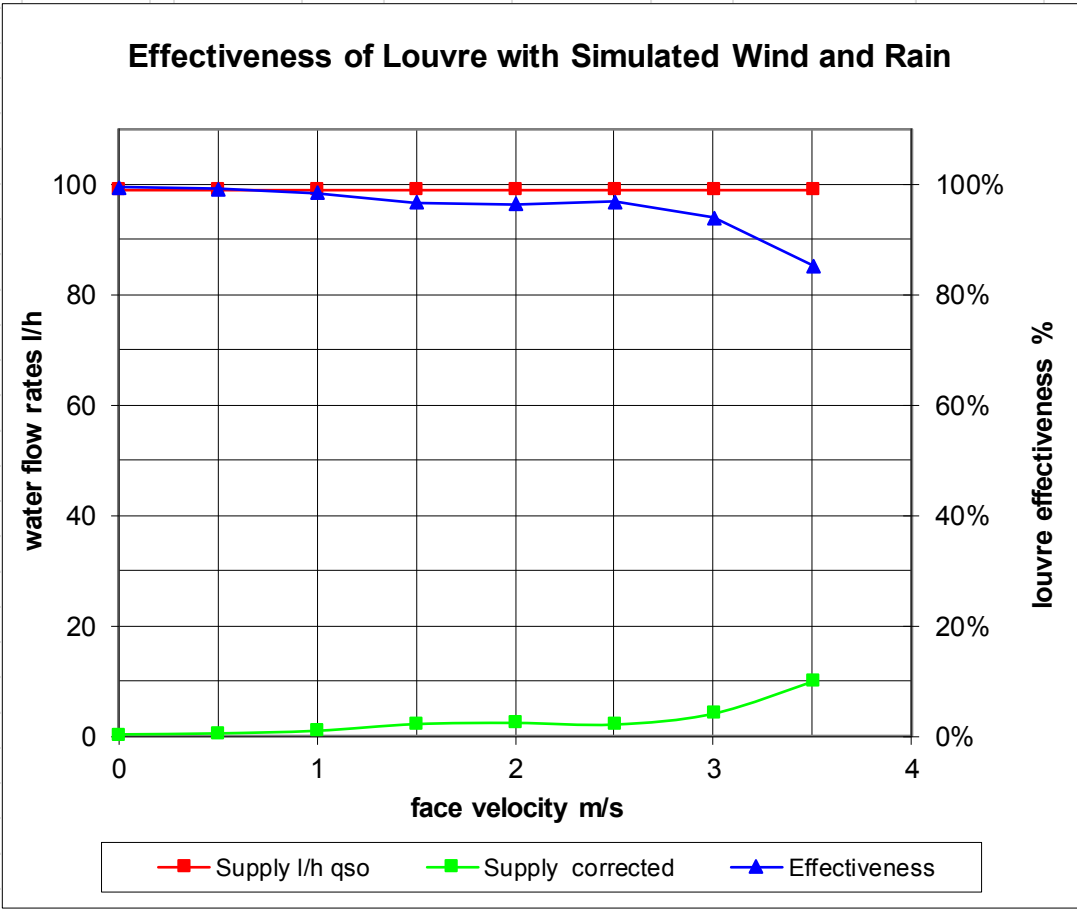
Airflow – based on the volume flow rate of air required and the size of the louvre face.

Water penetration – based upon how important it is to prevent water getting beyond the louvre.

BS EN 130030:2001 defines water penetration banding as follows

Class	Maximum allowable penetration of rain l/h.m ²
A	0.75
B	3.75
C	15
D	Greater than 15

WATER PENETRATION						
MANUFACTURER		MTE		Date		19/07/2016
MODEL		TP-PL-001		Contract		59680
				louvre height		975 mm
Simulated rainfall		75	mm/hr	louvre width		940 mm
Wind speed		13.0	m/s	louvre area		0.917 m²
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Your Safety. Our Priority.

The MTE Advantage

- ✓ **Proven Performance** – Designed to meet your environmental requirements
- ✓ **Custom-Built Solutions** – Tailored to your project needs
- ✓ **Trusted Globally** – Installed in major energy and industrial facilities worldwide
- ✓ **Efficient Installation** – No specialist tools required



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