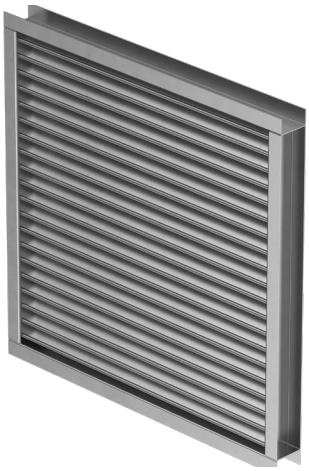
CWL-01C CHEVRON WEATHER LOUVRE

For heavy industry ventilation systems



MATERIALS

PART	MATERIAL	FINISHING
Case	Mild steel	Galvanised
Case	Stainless steel 1.4307 (304L) Stainless steel 1.4404 (316L)	-
Blades	Mild steel	Galvanised
Blades	Stainless steel 1.4307 (304L) Stainless steel 1.4404 (316L)	-

OVERVIEW

The CWL-01C Chevron Weather Louvre is designed to provide effective weather protection for air intake and exhaust openings in demanding industrial environments. Its robust chevron blade construction helps prevent the ingress of rain and airborne contaminants while allowing efficient airflow through the ventilation system.

Engineered for long term performance in harsh operating conditions, the CWL-01C is particularly suited to offshore, marine, and heavy industrial applications where reliability, durability, and corrosion resistance are essential. The chevron blade arrangement provides an alternative aerodynamic profile to suit specific project and performance requirements.

KEY FEATURES

Casing
The louvre casing is formed from 3.0 mm thick sheet steel into a rigid channel section suitable for duct or surface mounting. The CWL-01C is available as a single unit, maximum size 1200mm x 3000mm, or as a multiple unit assembly, maximum size 2400mm x 3000mm. The insertion length is 100mm.

Blades
The blades are a single skin of 1.5 mm sheet steel formed into a chevron section. The blades have a water retaining lip and are installed at a pitch of 50mm.

TECHNICAL SPECIFICATION

- External louvre designed for air intakes
- Effective prevention of water penetration and other objects entering ductwork
- Louvre efficiency up to 99% at 0.5m downstream with free area velocity of 4.3m/sec – BSRIA tested
- Minimal pressure drop characteristics
- Opional bird mesh screen

INSTALLATION

Louvres are typically provided with integral drilled flanges that allow for bolting to ductwork, structural divisions, wall sleeves and similar. Flanges and drillings can be to Halton standard or customer specification.

Installation and maintenance instructions are provided with each louvre delivery.

Halton