OHL | DRC Series

DRAINABLE CLOSABLE LOUVER

MODEL OHL-DRC

FEATURES

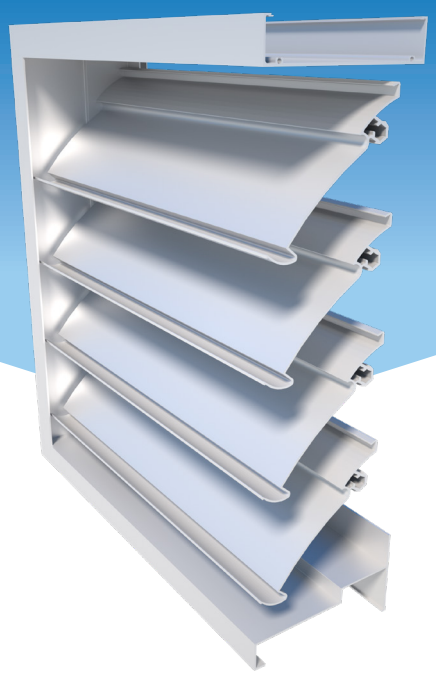
- Maximum Performance Louver
- Motorised or Manual Operation
- Closable for Complete Air Inlet Control
- Vertical Down Pipe Drains

CONSTRUCTION

The OHL - DRC louver system is constructed of stainless steel and 6063 T5 extruded aluminium, mechanically locked together ensuring a solid resilient structure. All louvers are manufactured to the highest fabrication and performance standards.

OPTIONS

- Powder Coat finishes (Duratec warranty coatings available on request)
- Extruded Aluminium Amplimesh
- A range of suitable actuators to optimise control
- 25mm Flange Cover available



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The Holyoake OHL - DRC is a precisely made closable, drainable, weather louver. It is constructed from extruded aluminium in a channel or flanged frame, with special interlocking closable blades gang operated by either manual or motorised means.

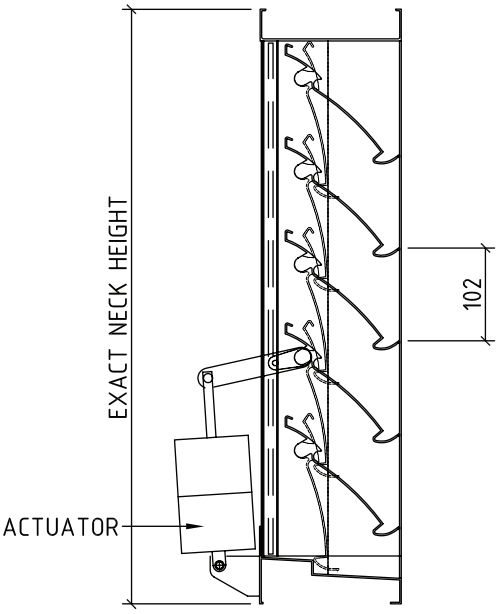
In addition to the special drainable closable blades and water penetration cavities the OHL - DRC also offers the unique combination of a closable louver, operated by a manual handle or via a suitable actuator. This provides the facility to fully or partially close the louver automatically when linked to a moisture or rain sensor, or other building management system. In a typical horizontal louver, where water cascades down the face, the water builds to a level where the pressure differential and the velocity of air over the louver is enough to carry over the water to the inside of the louver.

By avoiding this effect the OHL - DRC (Closable Drainable) louver offers excellent performance, so there is much less water intrusion at a given level. This means that a higher effective velocity can be used without compromising the water penetration performance. While open, they offer minimum airflow resistance with low droplet penetration under normal weather conditions.

TYPICAL APPLICATIONS

Typical uses are to provide controlled air movement in Gymnasiums and Sports Halls, with heavy duty Aluminium Amplimesh fitted to the rear providing protection to the rear of the louver.

DIMENSIONAL DATA



Side Elevation (open)

Note: Dashed louver shows blade in closed position

TESTING STANDARDS

AS/NZS 4740: 2000 Standard: Natural ventilators - Classification and performance

BS EN 13030: 2001 Standard: Ventilation for buildings - Terminals - Performance testing of louvers subjected to simulated rain

Pressure Area Velocities	**0 - 3.0m/s**
Water Ingress Efficiency	**Class B**
Wind Load Rating	**Level 1**

All louvers have been tested under a simulated exterior wind face velocity of 13m/s (as nominated by AS/NZS 4740:2000) alongside the simulated building intake louver velocities of 0.5m/s to 3.0m/s.

Intake louver velocities equate to the pressure area velocities nominated.

The blades feature a special gutter so each blade only deals with the water that lands directly on it. Therefore, water does not stream down the front of the louver but is directed by means of an internal drain to the external base of the louver. The side cavities are sealed to prevent moisture penetration.