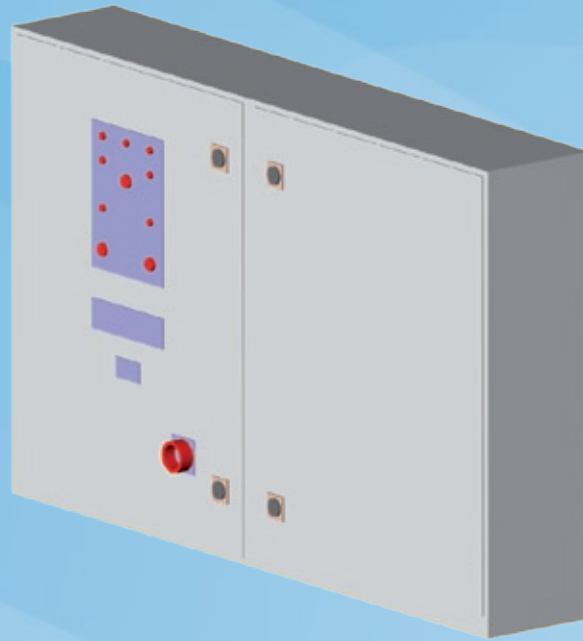


HC4-25

Cyclomaze Wash - Control Panels



60/HC4-25/250/0106/EN

The wall mounted control panel for CMW Series canopies.

Consultant Specification

For ventilator specified, provide a Halton Vent Master wash control panel capable of controlling: the exhaust/supply air fans operation, cold water supply to ventilator, auto wash down cycle with adjustable wash timer and low detergent alarm.

The panel shall have provisions to be electrically interlocked with the fire alarm system and, in case of fire, to initiate the wash cycle. The panel shall be of stainless steel construction, factory wired and tested. Control panel shall provide automatic operation of the exhaust and supply fans in addition to the CW and wash cycles of the ventilator. Each control panel shall provide a selector switch with individual run, wash indicator pilot lights and "hand/off/auto" audible alarm. Each control panel shall contain hand shut off valves, hot and cold water solenoid valves, detergent pump, wash timer, wash time delay, low

level detergent alarm and hot and cold water pressure reducing valves complete with line strainers and check valves. In addition HC4 Series panels for hot and cold water contain hot and cold water pressure gauges and HW temperature gauge. The entire panel shall be completely assembled and pre-wired, ready for mechanical and electrical circuit connections. Detergent: One full 4 litre container of detergent supplied standard with each control panel. Control panel body is constructed of 18 gauge stainless steel finish with stainless steel hinged lift off cover. Separate plumbing and electrical compartments.

Models and Options

Base Model	Optional Selects	Mandatory Selects
HC4-25	-2SQ -3SQ -4SQ -24HR -BMS	-S -R

Legend	
HC4-25	Cold water mist with hot water wash
-2SQ	Two sequence wash
-3SQ	Three sequence wash
-4SQ	Four sequence wash
-24HR	24 Hour Timer
-BMS	Building management system controlled
-S	Surface mounted on wall
-R	Recessed in wall
-TPG	Temperature/Pressure Gauge

Example: HC4-25-2SQ-BMS

Model	Cold water mist	Hot water wash	Maximum ventilator length	
			Cyclo maze wash mm	Cyclo wash mm
HC4-25	X	X	12000	7500

Water Supply

Supply lines must be sized to suit canopy water consumptions. (Refer to chart below). Minimum recommended water inlet pressure to the panel to be 2 bar. Panel mounted pressure reducing valve regulates the water pressure to the canopy. Recommended cold water pressure at ventilator connection is 1.6 bar. Hot water pressure for CMW canopies should be 2 bar. Recommended hot water temperature to be 60°C to 77°C.

Electrical Requirements

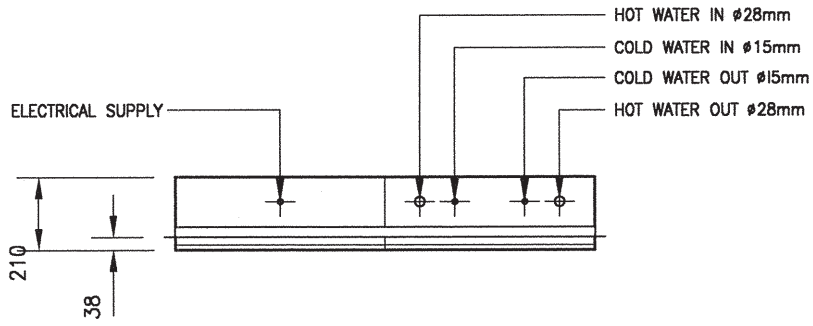
Power supply to be 240v/1/50. Maximum control panel amperage during wash cycle is 1 amp.

Water and Detergent Requirements

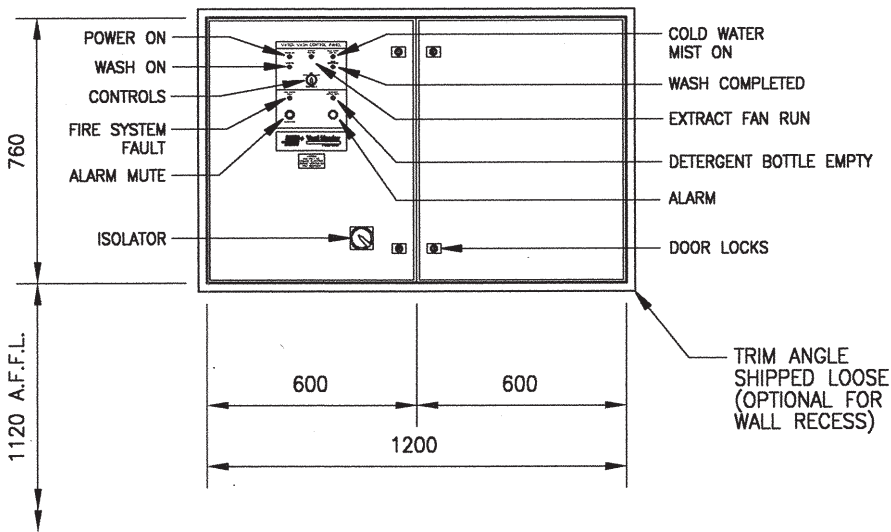
Even though hot and cold water connection sizes at panel and canopy sections are shown, supply lines to panel and canopy sections should be sized to supply hot and cold water as follows:

CANOPY MODEL	COLD WATER L/S PER LINEAR 300mm	HOT WATER L/S PER LINEAR 300mm	DETERGENT PER LITRES HOT WATER	AVERAGE HOT WATER WASH CYCLE
CMW	0.002	0.03	0.02Hr	2min

Plan



Elevation



Sequence of Operation

1. Turn selector switch to on.

- Exhaust fan energized.
- Make-up air fan energized. (If interlocked)
- Cold water mist runs.

2. Turn selector switch to off.

- Exhaust fan de-energized
- Make-up air fan de-energized. (If interlocked)
- Cold water turns off.
- Wash starts after 60 second delay.
- Wash ends after preset time.

3. Fire condition.

- Extract remains on.
- CW mist remains on.
- Make-up air fan de-energized. (If interlocked)
- HW wash remains off.

Continuous product improvement is a Halton Vent Master policy, therefore specifications and design are

subject to change without notice. Cyclo maze wash is a registered trademark of Halton Vent Master Ltd.