

# H5-25/HC5-25 Water Wash

## Control Panel



Form#: SS059\_H5-25/HC5-25 Water Wash  
Date: 09-2018 - Rev3

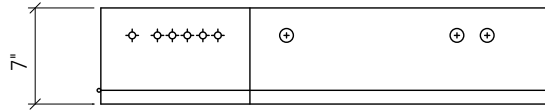
- H5-25 Hot water wash
- HC5-25 Cold water mist with hot water wash

### Application

The H5-25 or HC5-25 water wash control panel is to be used with Halton water wash exhaust hoods. Each panel is custom built to meet the specific functional and operational requirements of the system design.

Base Model	Optional Selects	Mandatory Selects
H5-25	-24V -LT	-S
HC5-25	-2SQ -TPG -3SQ -5GAL -4SQ -FP -24HR -FPR -BFP -VB -BMS -TR -EFO -WHA -RM -UVH	-R

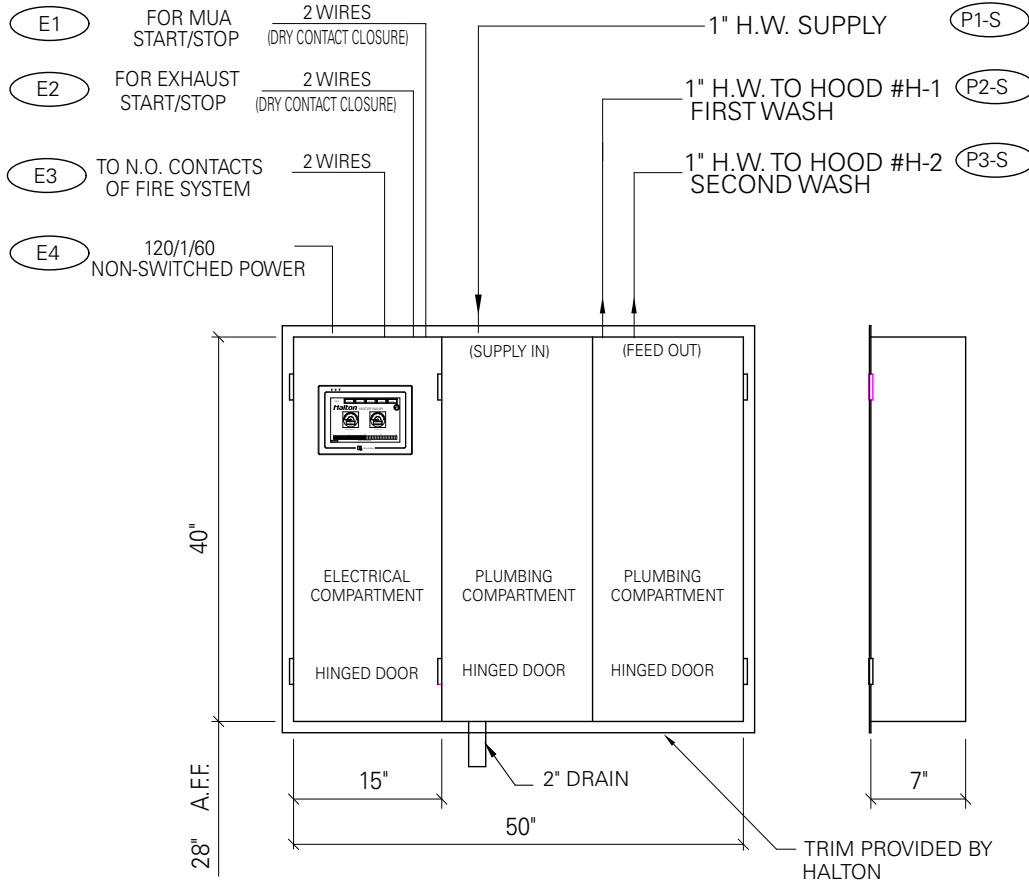
Example: HC5-25-2SQ-BFP-BMS-S



**PLAN VIEW**

NOTE: HIGH MAGNETIC TRIP CIRCUIT BREAKERS ARE RECOMMENDED

NOTE: CUSTOM PROGRAMMED PANEL



**FRONT ELEVATION VIEW**

NOT SCALED

NOTE: PANEL DIMENSIONS VARY ACCORDING TO QUANTITY OF WASH SEQUENCES.

**MODEL :** H5-25-2SQ-5GAL-BFP-EFO-R  
R-RECESS MOUNT  
S-SURFACE MOUNT

**IMPORTANT NOTE:**

2 PCS. - 3/4" (19.05mm) to 1" (25.4mm) REDUCERS  
TO BE SHIPPED LOOSE FOR  
FIELD CONNECTION

## Water and Detergent Requirements

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

Model	Cold Water Spray	Hot Water Wash	Max. Hood Length			
			Cyclo Maze Wash		Capture Jet Water Wash	
			Feet	MM	Feet	MM
H5-25	-	X	40	12182	17	5185
HC5-25	X	X	40	12182	17	5185

Exhaust Hood Model	Cold Water Per Hour (per linear foot)		Hot Water Per Minute (per linear foot)		Detergent per Gallon Hot Water	Average Hot Water Wash Cycle
	US Gallons	Liters	US Gallons	Liters		
	C-CM	2.3	6.7	0.5		
H-CM	-	-	0.5	1.9	1/4 oz	5 min.
CW	4	15.1	1.2	3.8	1/8 oz	2 min.
HW	-	-	1.2	3.8	1/4 oz	5 min.
CJ-WW	-	-	1.2	3.8	14 oz	5 min.

## Modifications & Options

Model Number	Description
S	Surface mount on wall
R	Recessed mount in wall
24V	24 Volt Interlock
2SQ	Two Sequence Wash
3SQ	Three Sequence Wash
4SQ	Four Sequence Wash
24HR	24 Hour Timers
BFP	Back Flow Preventor
BMS	Building Management System
EFO	Exhaust Fan On
RM	Remote Monitoring
LS	Hood Light Switch
TPG	Temperature/Pressure Gauge
5GAL	5 Gallon Detergent Reservoir
FP	Fire Pull Station
FPR	Fire Pull Station Remote
VB	Vacuum Breaker
TR	Transformer
WHA	Water Hammer Arrestor
UVH	Combo Panel WaterWash/UV

## Consultant Specification

The water wash control panel shall be a Halton H\_\_\_\_\_. The panel shall provide automatic operation of the exhaust and supply fans in addition to the run & wash cycles of the exhaust hood.

The panel shall be complete with a separate electrical and plumbing compartment.

The panel shall be provided with Run/Wash selector switch, wash timer, wash time delay, and a microprocessor for system running status and alarm conditions. A terminal strip shall be provided for field wiring.

The panel shall contain hand shut off valves, hot and cold water (if applicable) solenoid valves, hot and cold water (if applicable) pressure reducing valves complete with line strainers. Control panels for hot and cold water shall contain a cold water pressure gauge.

The panel shall be supplied with a detergent pump, low level detergent alarm, and one container of "G-Wiz" detergent.

The panel shall be constructed from heavy gauge stainless steel with hinged lift off doors, have a front locking screw, and be available for remote surface or recessed mounting.

The entire panel shall be completely factory pre-assembled, prewired and tested ready for final mechanical and electrical connections.

## Water Supply

Supply lines must be sized to suit exhaust hood water consumptions (refer to chart below). Minimum recommended water inlet pressure to the panel to be 40 PSIG (275 kPa). Panel mounted pressure reducing valve regulates the water pressure at the exhaust hood connection. Recommended cold water pressure for Cyclo Maze exhaust hoods should be 20 PSIG (138 kPa). Hot water pressure Cyclo Maze exhaust hoods should be 20 PSIG. Recommended hot water temperature to be 160°F (71°C). Minimum 140°F (60°C).

The company has a policy of continuous product development, therefore we reserve the right to modify design and specifications without notice.

## Sequence of Operation

1. Press "**Button**" on touch screen to **ON**
  - Exhaust fan energized
  - Make-up air fan energized
  - Cold water turns on (HC5 only)
2. Press "**Button**" on touch screen to **OFF**
  - Exhaust fan de-energized
  - Make-up air fan de-energized
  - Wash ends after preset time
3. Wash cycle determined by scheduler through HMI, step by step instructions for programming found there
4. Fire condition
  - Switch at fire panel closes
  - Exhaust fan stops, if required
  - Make-up air fan stops
  - Cold water turns off (HC5 only)
  - Hot water turns on (if required)

## Electrical Requirements

Power supply to be 120V/1/60. Maximum control panel amperage during wash cycle is 1 amp.

## Trade Notes

**MECHANICAL:** Supply and install back flow preventors, anti-syphon valves or vacuum breakers as required by local codes. It is recommended that the control panel be located within 35 pipe feet (10668mm) of the exhaust hood.

**ELECTRICAL:** Supply and install all control field wiring and electrical devices required, outside the control panel. Field wiring diagram available on request.

**PLUMBING:** 2" drain connection provided from back flow preventer (-BFP Option). Pipe appropriately to floor drain or other.

For more information, please contact your nearest Halton agency. To find it: [www.halton.com](http://www.halton.com)