Spring Air
Engineering Energy Savings

Water Wash Control Panel

Continuous Cold Water Spray

SBA10C

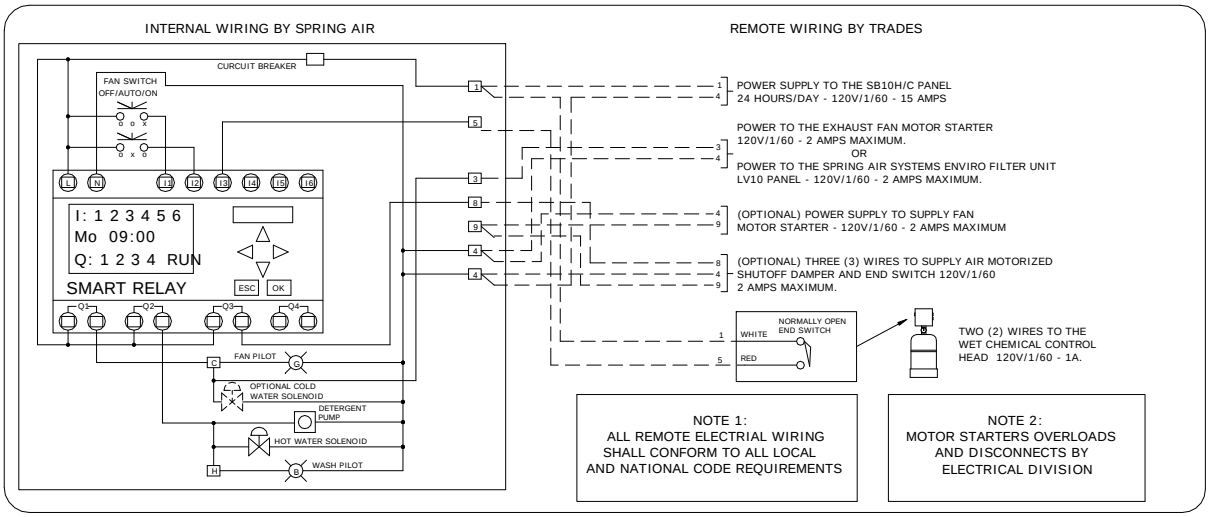
Automatic Control, Single Sequence Wash for up to 46-ft (14 m) of water wash hood

General Description

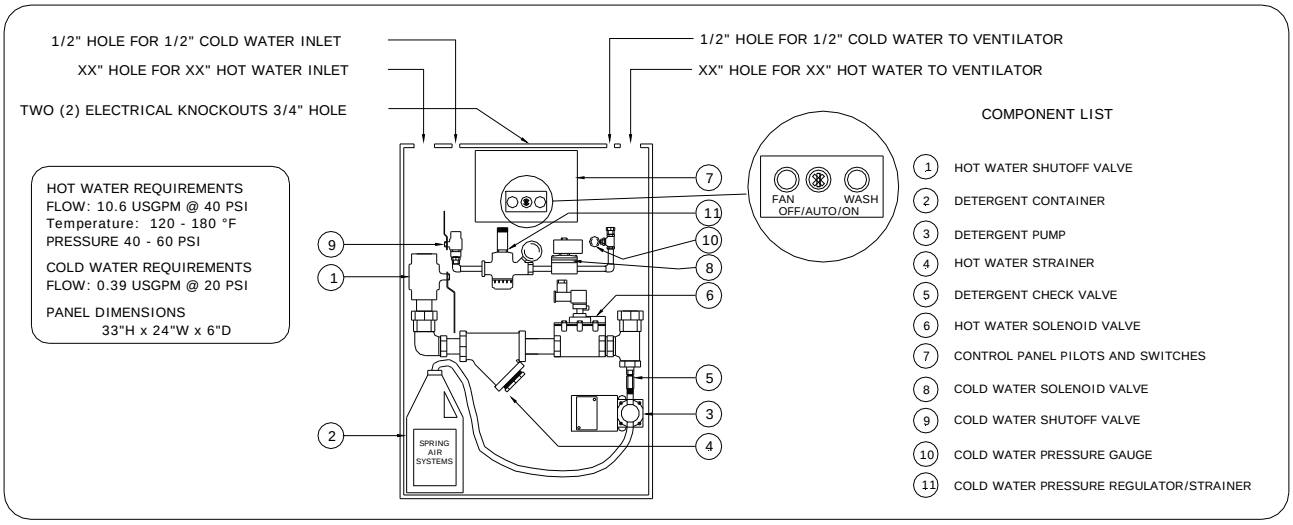
Each water wash hood or group of hoods requires a control panel. The single sequence water wash control panel model SBA10C is for type "CD" water wash hoods.

These control panels contain the electrical and plumbing required to automatically operate the exhaust fan, the continuous cold water spray, and washing cycle. The continuous cold water spray causes the grease particles to congeal forming larger globules. The larger particles are more readily removed increasing the grease extractor efficiency before entering the VORTEX collection chamber. The model SBA10C is a microprocessor control with an ON/AUTO/OFF selector switch. The single sequence wash can wash up to 46 feet (14m) of water wash hood. When the selector switch is in the AUTO position, on and off control is automatic depending on the times set on the microprocessor time clock. The cold water spray operates continuously while the exhaust fan is running. Every time the exhaust fan is shut off manually or automatically, the cold water spray shuts off and the groups of hoods connected to the control panel are washed. At the end of the wash cycle the panel remains idle unit the next ON and OFF sequence. Refer to the *Spring Air Systems Hood Engineering Manual* for detailed description of the control panel sequence of operation.

Water Wash Panel Electrical Schematic



Water Wash Panel Plumbing Schematic



Installation

Length of Hood		Control Panel Hot Water Connections	
ft	m	in	mm
Up to 13	Up to 4	0.75	19
Up to 26	Up to 8	1.00	25
Up to 46	Up to 14	1.25	32

Notes:
1. All control panels are 33" x 24" x 6" (610 mm x 762 mm x 152 mm)
2. The DB hood has an equivalent length of 1.5 the actual length of purposes of using this chart.
3. Cold water inlet and outlet size is 1/2" (13mm) for all panels.

- The total length of hood connected to the control panel determines the sizes of the inlet and outlet pipe connections. Refer to the Engineering Data Chart to the left for Pipe size Vs Hood length.
- The remote piping must meet all local plumbing codes. The control panel must be installed with protection to stop the flow of detergent back into the potable water supply. Spring Air Systems will always prepipe the detergent line inside the water wash, plumbing enclosure panel unless advised otherwise prior to shipment.

Spring Air Systems Model No. SBA10C Wash Panel Specification

The water wash control panel shall be a Spring Air Systems model SBA10C, hot water wash, cold water spray, automatic, single wash sequence, UL/ULC listed, and CSA certified.

The panel shall include an integral microprocessor based seven-day/24 hour clock with one weekday and one weekend settings and manual override. The stainless steel water wash control panel shall contain all the electrical and plumbing components to operate the exhaust fan, cold water spray, and water wash cycle. The electrical section shall include a microprocessor adjustable timer, an off/auto/on fan selector switch, and a wash on pilot light. The plumbing section shall include a hot water solenoid value, hot water shut off valve, hot water line strainer, detergent pump, detergent check valve, and one litre of detergent. The cold water components shall include a cold water solenoid valve; cold water shut off valve, cold water pressure regulator/strainer, and a cold water pressure gauge. The panel shall be either wall mounted or recessed where shown ready for interconnection of the mechanical and electrical services by the mechanical and electrical divisions as per the manufacturer instructions.

Engineering Data

Item Number:	-_____
Model Number:	- SBA10C-XX
Panel Dimensions	- 33" X 24" X 6"
Hot Water Inlet Connection:	- 1"
Cold Water Inlet Connection:	- 1/2"
Cold Water Outlet:	- 1/2"
Hot Water Outlet	
No. of Sequences:	- 1
Sequence #1	
Valve Size:	-_____
Total Hot Water Flow:	-_____
Total Cold Water Flow:	-_____
Electrical:	- 120v/1/60 - 15 AMPS.