



BPAH6C Shown

### Features

- Controls water flow through air handlers
- FPT water connections
- Condensate drain pan lined with anti-slosh, antifungal foam
- Field-reversible on mounting base for opposite flow direction
- Change-over thermostat for automatic operation in heating or cooling mode

The BPAH-series bypass valve assembly controls the flow of circulated water through the air handling unit by:

- switching the water off and on
- regulating the rate of water flow

This permits the cabin temperature to be maintained independent of blower speed.

Standard BPAH units are available in capacities of 3,000 to 24,000 Btu/hr, with valve motors in 115 or 230 V.

Each BPAH unit also includes a modulating flow control valve to ensure proper water distribution to all air handlers. When used with a Cruisair Modular Tempering Unit, a completely “balanced” system is possible where each component receives the design flow rate of water. This eliminates the tedious job of trying to maximize performance by adjusting valves at each air handler.

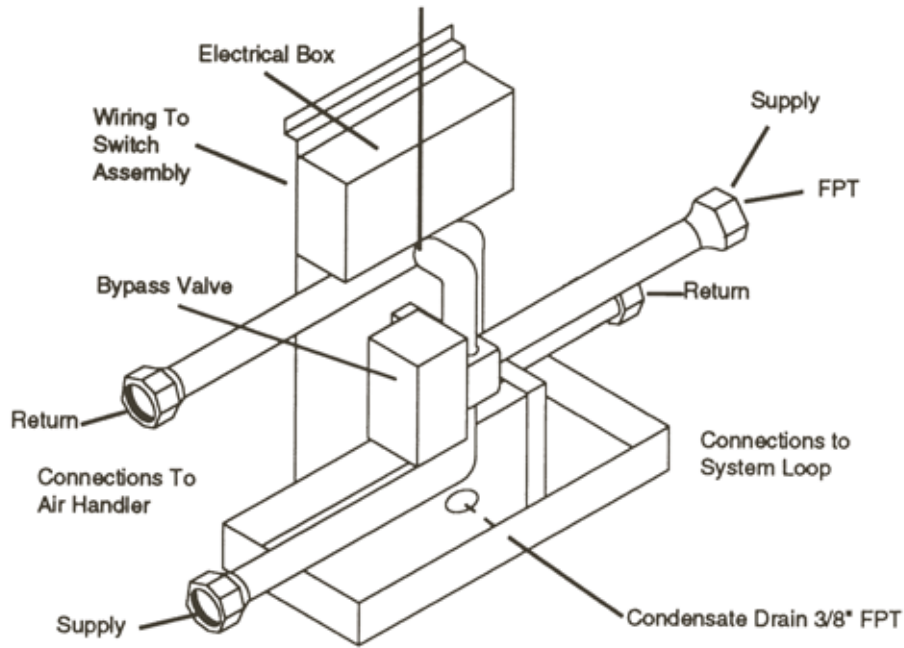
The unit consists of a bypass valve, flow control valve, isolation valves, change-over thermostat and electrical connections. The water connections are fitted with FPT adapters for ease of installation. A full-length condensate drip tray with antifungal, anti-slosh foam is standard. The entire unit can be reversed on the mounting base to accommodate water flow in either direction.

Cruisair recommends that a BPAH unit be used with all air handlers that do not have a built-in bypass valve assembly. Alternatively, a fan cycling kit with flow control components can be used to maintain proper water flow through the air handler.

BPAH Valves can be used with 3-knob switch assemblies, as slave units, or with the corresponding SMX II or SMX NET microprocessor control systems and a SMXir keypad/display.

## Tempered Water Bypass Valve Assembly

Easily Accessible Air Bleed



### TECHNICAL SPECIFICATIONS

Model	Capacity (BTU/hr)	Height (in/mm)	Width (in/mm)	Depth (in/mm)	Weight (lb/kg)	Volts	Amps
BPAH3 BPAH3C	3,000	13.63/346	12/305	5.25/133	6/2.7	115 230	.08 .04
BPAH6 BPAH6C	6,000	13.63/346	12/305	5.25/133	6/2.7	115 230	.08 .04
BPAH9 BPAH9C	9,000	13.63/346	12/305	5.25 /133	6/2.7	115 230	.08 .04
BPAH12 BPAH12C	12,000	13.63/346	12/305	5.25/133	6/2.7	115 230	.08 .04
BPAH15 BPAH15C	15,000	14.38/365	13.75/349	6/152	8/3.6	115 230	.08 .04
BPAH18 BPAH18C	18,000	14.38/365	13.75/349	6/152	8/3.6	115 230	.08 .04
BPAH21 BPAH21C	21,000	14.38/365	13.75/349	6/152	8/3.6	115 230	.08 .04
BPAH24 BPAH24C	24,000	14.38/365	13.75/349	6/152	8/3.6	115 230	.08 .04

SPECIFYING GUIDE  
FOR ACCESSORIES

#### BYPASS VALVE ASSEMBLY Piping Connection Sizes

Model	Connection
BPAH3 – BPAH12	1/2" FPT
BPAH15 – BPAH24	3/4" FPT

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