

HAQ Series

Vertical / Horizontal / Counterflow
Hot Water Heating / No Cooling
Up to 29,900 BTUH Heating



Description :

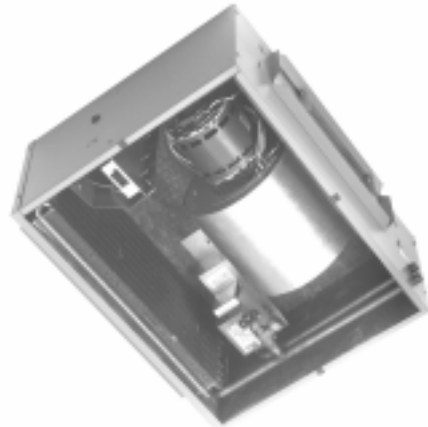
The **HAQ** series air handler converts a properly sized natural gas, L.P., or oil-fired water heater into a highly efficient space heating appliance. The **HAQ** series is ideal for providing space heat for room additions, public housing projects, or any other applications where forced air cooling is not required.

The **HAQ** air handler is **only 10" high** and can be installed in a furr down ceiling, thus saving valuable floor space. Each air handler includes a hot water coil, circulating pump, air purge valve, hot water check valve, flue gas door switch, 120V blower motor and 24V transformer. Mounting brackets for horizontal installation are included.

No special water heater is required! Contact the factory for assistance in sizing.

When space heating is needed, the wall thermostat energizes the circulating pump which circulates hot water (135-140 degrees) from the water heater to the hot water coil in the air handler. As the fan motor forces cool return air from the home over the hot water coil, the air absorbs heat from the hot water. This warm air (105-110 degrees) is then circulated throughout the duct system and into the home. The water leaving the hot water coil is then returned to the water heater to be reheated.

AQUA THERM® AIR HANDLER



FEATURES:

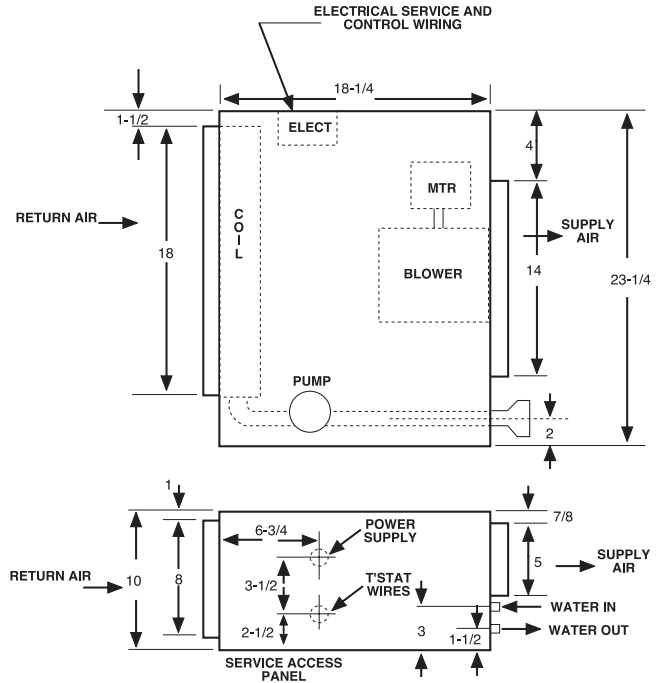
1. Built-in **circulating pump, air purge valve**, and hot water **check valve**
2. Compatible with all properly sized gas or oil-fired **water heaters**
3. Flue gas **door switch** - This device will not allow the blower motor to operate without the service door in place. Therefore products of combustion from the water heater flue cannot be delivered through the duct system and into the living space
4. **Copper tube** heating coil
5. **Compact** size - only 10 inches high
6. Galvanized steel, fully **insulated cabinet**
7. Optional **freeze protector** for hot water coil is Part No. **941-1** (brings pump on below 38 degrees)
8. Contact factory for optional ceiling access panel - Part No. **965-1**

HAQ Series

HOT WATER HEATING



"In keeping with its policy of continuous progress and product improvement, First Co. reserves the right to make changes without notice."



ELECTRICAL DATA					
UNIT MODEL	MOTOR HP (120V)	AMPS		MIN. CIR. AMPACITY	MAX. HACR BREAKER
		MOTOR	PUMP		
HAQ18-2	1/20	1.0	0.57	2.0	15

Note: Filter is **not** provided, it must be field supplied and installed.

PERFORMANCE DATA							BLOWER DATA			
UNIT MODEL	MOTOR SPEED	GPM (HEATING)	P.D. (FT.WATER) (COIL ONLY)	BTUH (1000) AT ENT. WATER TEMPERATURE			CFM vs EXTERNAL STATIC PRESSURE			
				120° F	140° F	180° F	.05	.10	.20	.30
HAQ18-2	HIGH	3	3.4	13.6	19.0	29.9	405	380	320	255

1. Motor is 120V (3 speed) and is wired for single speed operation
2. Heating output will not exceed output of water heater
3. Approved for installation with 0" clearance to combustible materials
4. Heat BTUH is at 70 degree ent. air temperature