

# PWS 31002

## AIR/WATER HEAT EXCHANGERS

### 34121 Btu/h

The PWS 31002 Advantage Series Air/Water Heat Exchangers are our largest units offering over 34000 Btu/h cooling capacity and are ideal for harsh ambient conditions. Requiring only a cool liquid source and power. Available with either powder coated or stainless steel covers. [Need a cool liquid source?](#) Pair this unit with one of our packaged chillers.

#### Washdown Roof Design

Metal covers are designed with a sloped top which sheds water away from the electrical enclosure as well as eliminates potential water pooling, corrosion and ice buildup.

#### Optimized Internal Design

Smart engineered solution, easy to service and maintain.

#### Rugged Design

Powder coated steel or stainless steel cover designed for manufacturing environments. Easily painted to match enclosure or machine.

#### Long Airflow Path

Heat exchangers are designed to draw hot air from the top of the enclosure and deliver cool air below the components.

#### Closed Loop Design

Designed to isolate the external ambient air from the internal air circuit eliminating the risk of contaminants entering the cabinet.

12.10 in. (307 mm)

#### Push to Connect Fittings

Hydronic connectors that supports quick connection to 1/2 inch O.D. hose or 1/2 inch I.D. hose with included adapter. Unlike other units that have rigid permanent connections.

#### Lifting Handles

Handles are mounted on the cover for easy handling and installation.

#### Intelligent Control of Water Flow

The adjustable electronic thermostat permits precise control of the electrical enclosure temperature by regulating the coolant flow which is activated by a solenoid valve. This regulates the coolant flow to minimize coolant waste and increase energy-efficiency.

#### Condensation Management

Physical barriers allow for condensation to be collected and drained from the system with zero intrusion into the cabinet.

65.52 in. (1664 mm)

19.75 in. (501 mm)





**PWS 31002 Series 34121 Btu/h (10000 W) Air to Water Heat Exchangers**

Model Number	Part Number	Voltage (VAC)	Frequency (Hz)	Power Consumption (W)	Nominal (Run) Current (A)	Fuse (maximum)	Fluid Connection	Noise Level (according to EN ISO 3741) dB(A)	Dry Weight (without packaging) lb (kg)
<b>PWS 31002</b> Indoor/Outdoor Rated (NEMA Type 12/3R/4)	12358720045	230	50/60	163	.71	6	1/2" push in fitting	<66	117 (53)
	12358730045	460	50/60	150	.67	6	1/2" push in fitting	<66	126 (57)
Design	<b>Housing:</b> galvanized sheet steel <b>Cover:</b> electrostatically powder coated RAL 7035 (light grey); for ANSI 61 grey use part no. ending in ...251								
<b>PWS 31002 SS</b> Indoor/Outdoor Rated (NEMA Type 12/3R/4/4x)	12358720048	230	50/60	163	.71	6	1/2" push in fitting	<66	117 (53)
	12358730048	460	50/60	150	.67	6	1/2" push in fitting	<66	126 (57)
Design	<b>Housing:</b> stainless steel 304 <b>Cover:</b> stainless steel 304								
Additional Data		PWS 31002				PWS 31002 SS			
Control range (adjustable)	SC	+ 50 ... + 104 / + 10 ... + 40; factory setting + 95 / + 35							°F / °C
Rated flow rate		5 (1150)							gpm (L/H)
Maximum water pressure	PSIG	145 (10)							PSIG (BAR)
NEMA Type rating		12/3R/4/4x							against enclosure when properly installed



For additional technical data, drawings and manuals.  
[www.pfannenbergsusa.com](http://www.pfannenbergsusa.com)

**Available Models:**



**Light Grey**  
Indoor/Outdoor Rated  
(NEMA Type 12/3R/4/4x)



**Stainless Steel**  
Indoor/Outdoor Rated  
(NEMA Type 12/3R/4/4x)

**Cooling Capacity Performance Curve**

**How to use this chart**

