

PWS 3102

AIR/WATER HEAT EXCHANGERS

3753 Btu/h

The PWS 3102 Advantage Series Air/Water Heat Exchangers offer over 3700 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.

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.

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.

Optimized Internal Design

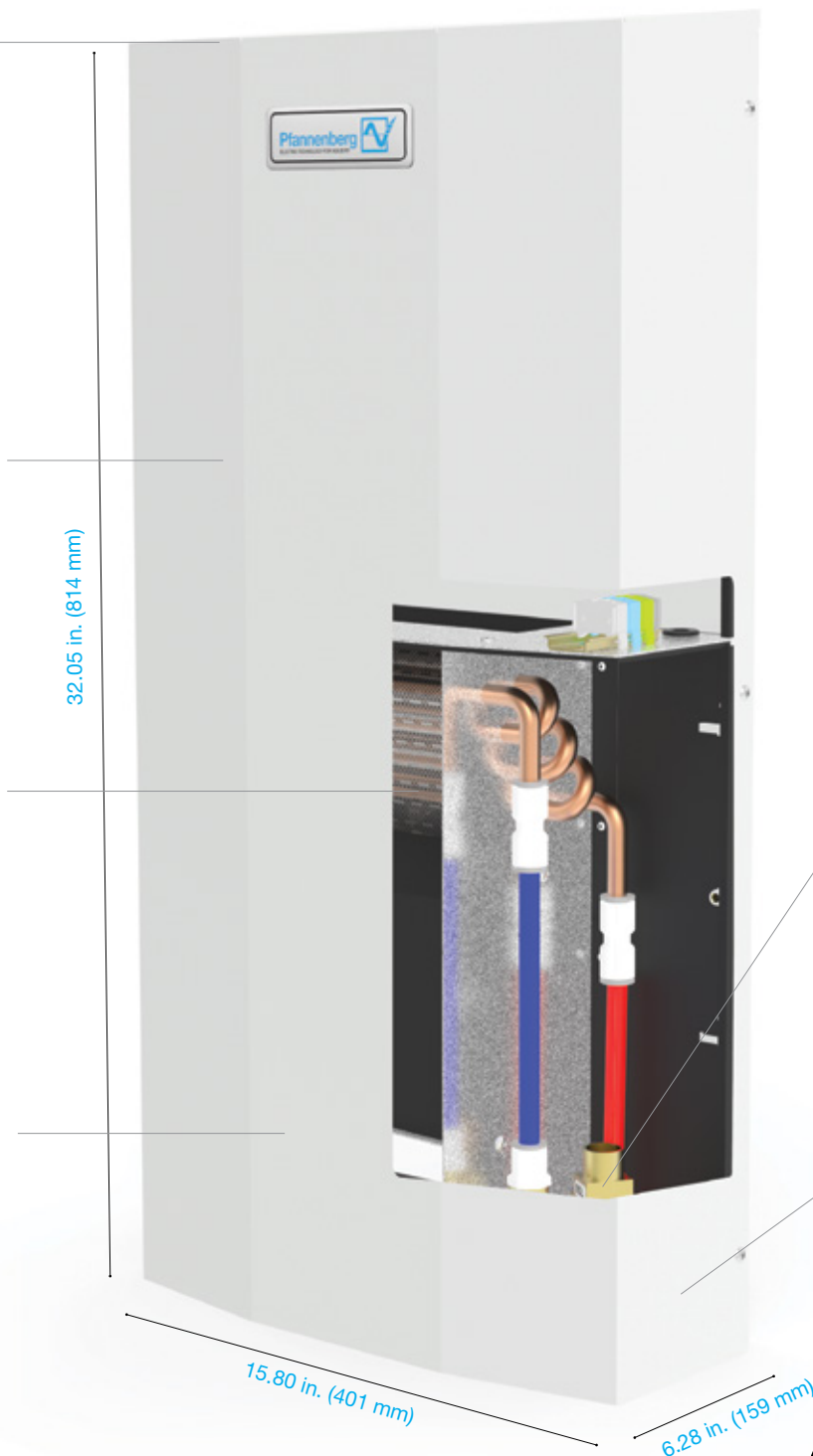
Smart engineered solution, easy to service and maintain.

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.





PWS 3102 Series 3753 Btu/h (1100 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)
PWS 3102 Indoor/Outdoor Rated (NEMA Type 12/3R/4)	12358210045	115	60	52.9	0.571	6	1/2" push in fitting	<59	33 (15)
	12358220045	230	50/60	58	0.29	6	1/2" push in fitting	<59	33 (15)
Design	Housing: galvanized sheet steel Cover: electrostatically powder coated RAL 7035 (light grey); for ANSI 61 grey use part no. ending in ...251								
PWS 3102 SS Indoor/Outdoor Rated (NEMA Type 12/3R/4/4x)	12358210048	115	60	52.9	0.571	6	1/2" push in fitting	<59	33 (15)
	12358220048	230	50/60	58	0.29	6	1/2" push in fitting	<59	33 (15)
Design	Housing: stainless steel 304 Cover: stainless steel 304								
Additional Data		PWS 3102				PWS 3102 SS			
Control range (adjustable)	SC	+ 50 ... + 104 / + 10 ... + 45; factory setting + 95 / + 35							°F / °C
Rated flow rate		2 (450)							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

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

Example: @ 95 °F (ambient, X-axis), @ 95 °F (internal, diagonal lines)
= 3753 Btu/h cooling capacity (Y-axis)

