

ELECTRIC PUMPS

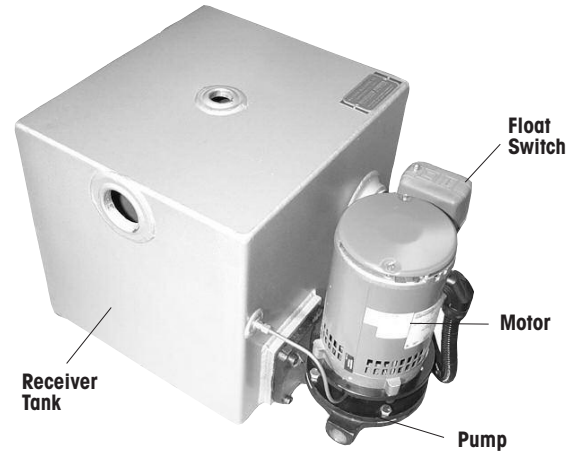
W4100 & W4200

Electric Condensate Pump

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Model	W4100	W4200
Tank Sizes	8/15/30/45/60/95 Gal.	6/15/24/36/50 Gal.
Connections	NPT	NPT
Tank Material	Fabricated Carbon Steel	Cast Iron
Max Disch. Press.	50 PSIG *	50 PSIG *
TMO/TMA	190°F	190°F
Options	Mechanical & electrical alternators; gauge glass; thermometer; discharge pressure gauges; isolation valves; magnetic starters; 1750 RPM motors; control panels; oversized or stainless steel receivers; high temperature components	

* Optional higher ratings available.



TYPICAL APPLICATIONS

The primary purpose of the **W4100** and **W4200** electric condensate pumps are to return condensate back to the boiler. Pumping condensate over 190°F is not recommended with these pumps due to potential mechanical seal failure.

HOW IT WORKS

The float, which is connected to the switch assembly rises when condensate enters the receiver tank. When the float rises above its set point, it energizes the motor on the pump. Once started, the pump will continue to run until the water level drops below the bottom position of the float switch. There it will de-energize the motor to shut off the pump. This cycle repeats as condensate begins to fill the receiver tank.

FEATURES

- Fabricated steel receivers (W4100) or cast iron receivers (W4200)
- Simplex and duplex packages
- Bronze-fitted centrifugal pumps
- Energy-efficient 3450 RPM motors
- Automatic venting
- Ceramic pump seal
- Heavy-duty float switch
- All steel receivers, and iron receivers over 24 gallons include a threaded NPT overflow port

SAMPLE SPECIFICATION

Pump(s) shall be of the centrifugal type with two-piece enclosed brass impeller, cast iron housing and stainless steel motor shaft. The float switch shall be two-pole with plastic case, stainless steel float and shafting, and double-break silver contacts. A flat perforated brass strainer shall be provided in the inlet of the pump from the tank.

INSTALLATION

Place on an elevated, level and substantial foundation in a clean, dry and accessible area. Locate receiver tank inlet below lowest point of the condensate return lines.

MAINTENANCE

At regular intervals, check the motor lubrication, unless the motor is equipped with a permanently lubricated bearing.

OPTIONS

- Mechanical and electrical alternators
- Gauge glass
- Thermometer
- Discharge pressure gauges
- Isolation valves
- Magnetic starters with HOA selector switch
- 1750 RPM motors, larger pumping capacities & higher discharge pressures
- Wide variety of control panels
- Oversized receivers (45, 60 & 95 gallons)
- Stainless Steel receivers
- High Temperature (250°F) Components

HOW TO ORDER

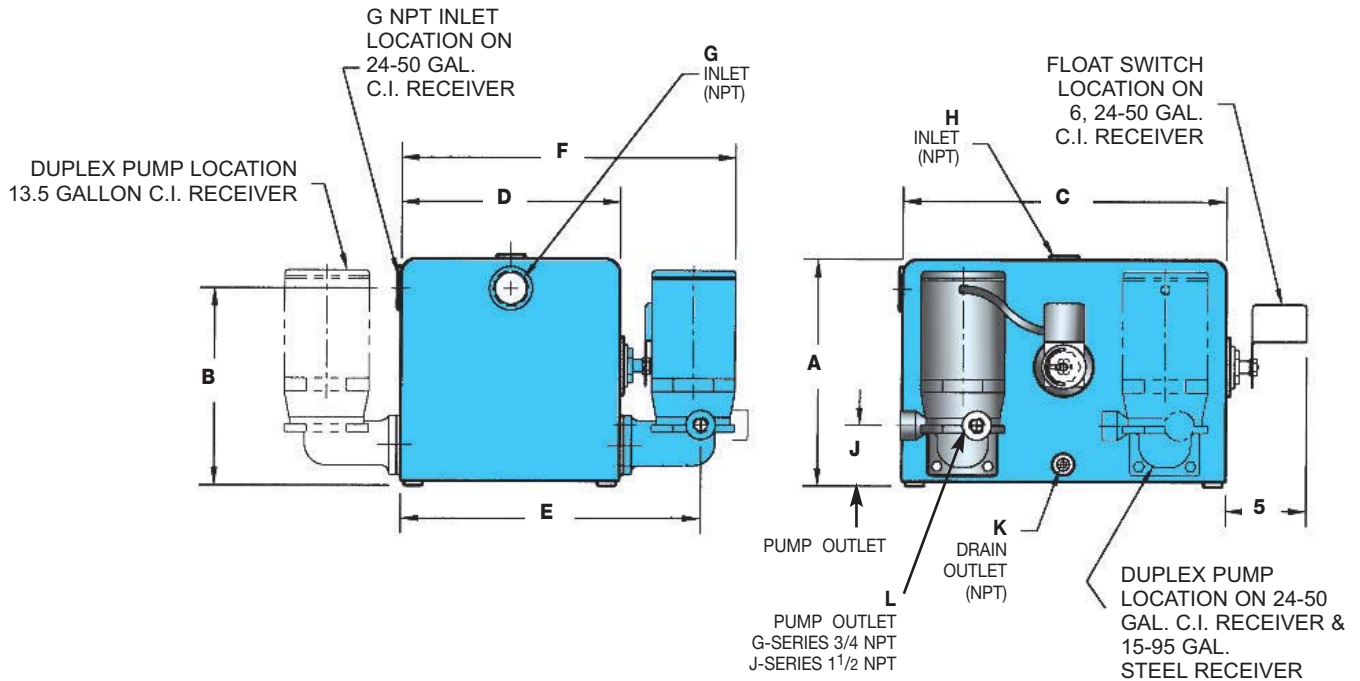
Specify the discharge pressure, gallons per minute and voltage requirements when ordering.

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PUMPS



W4100 (Steel Receiver) Dimensions – inches

Series	Receiver Size	A	B	C	D	E	F	G	H	J	K	L
G	8 gallon	12 ³ / ₄	10 ¹ / ₂	12 ¹ / ₂	12 ¹ / ₂	18	21 ¹ / ₂	2	1 1/2	4 1/8	1/2	3/4
	15 gallon	14 ³ / ₈	12 ³ / ₈	17	15	20 ¹ / ₂	23 ¹ / ₄	2				
	30 gallon	18 ³ / ₈	16 ¹ / ₈	22	18	23 ¹ / ₂	28	2 1/2				
J	45 gallon	26 ³ / ₈	24 ¹ / ₈	22	18	---	29 ⁵ / ₁₆	2 1/2	1	3 1/4	1/2	1 1/2
	60 gallon	28 ³ / ₈	26 ¹ / ₈	28	18	---	29 ⁵ / ₁₆	2 1/2				
	95 gallon	28 ³ / ₈	26 ¹ / ₈	28	28	---	39 ⁵ / ₁₆	2 1/2				

W4200 (Cast Iron Receiver) Dimensions – inches

Series	Receiver Size	A	B	C	D	E	F	G	H	J	K	L
G	6 gallon	4 ¹ / ₂	12 ¹ / ₂	14 ¹ / ₂	12 ⁵ / ₈	18 ¹ / ₄	20 ⁷ / ₁₆	2	3/4	4 ³ / ₃₂	3/4	3/4
	15 gallon	14 ⁷ / ₈	13 ¹ / ₈	18 ¹ / ₂	13 ¹ / ₂	19 ¹ / ₈	24	2	1	3 ³ / ₄	1/2	3/4
	24 gallon	19 ¹ / ₈	15 ⁵ / ₈	25 ⁷ / ₈	15	20 ¹ / ₃₂	22 ¹³ / ₁₆	2	1	4 ¹ / ₈	3/4	3/4
	36 gallon	18 ⁵ / ₈	15 ¹ / ₈	27 ²¹ / ₆₄	22 ¹ / ₂	27 ¹⁷ / ₃₂	31 ³ / ₄	3	1	4 ¹ / ₈	3/4	3/4
J	36 gallon	18 ⁵ / ₈	15 ¹ / ₈	27 ²¹ / ₆₄	22 ¹ / ₂	---	35 ³ / ₈	3	1	4 ³ / ₈	3/4	1 1/2
	50 gallon	18 ⁵ / ₈	15 ¹ / ₈	27 ²¹ / ₆₄	31	---	43 ⁷ / ₈	3	1	4 ³ / ₈	3/4	1 1/2