



CONDENSATE PUMPS 4200 SERIES CAST IRON TANK

ENERGY EFFICIENT DESIGN, PROVEN
PERFORMANCE AND THE RIGHT SIZE
FOR YOUR APPLICATION

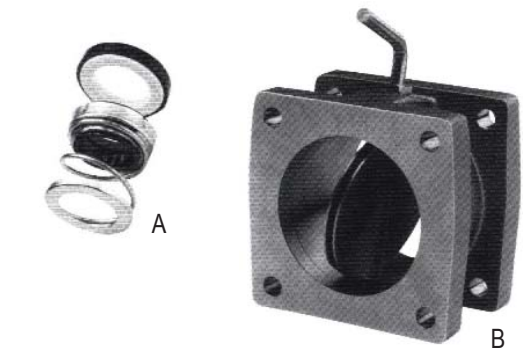
Armstrong Condensate Return Pumps set new standards of performance. Reliable and efficient, each unit features heavy-duty cast iron receivers for long operating life. In addition, 3450 RPM motors assure maximum efficiency while maintaining minimum motor horsepower. Available in a wide range of sizes, these U.S. made pumps have just the right accessories and options to meet your unique needs. What's more, a nationwide network of stocking distributors means fast, easy, year-round access to pumps and replacement parts.



FEATURES

- Heavy-duty cast iron receivers
- Simplex or duplex construction
- Bronze fitted centrifugal pumps
- Energy efficient 3450 RPM motors
- Automatic venting
- Ceramic pump seal
- Heavy-duty float switch
- Wide range of options and accessories





Built-In Features For Precise, Dependable Performance

- *Motors:* Heavy-duty, ballbearing, close-coupled pump motors with stainless steel shaft. 3450 RPM for greater efficiency and more economical operation.
- *Float Switch:* Two-pole, drip proof case, stainless steel float and float rod, double-break silver-to-silver contacts. Float travel adjustment is easy, visible and accessible.
- *Automatic Venting:* Provides for efficient operation and long life by venting air and flushing seal area.
- *Large Tanks:* Plenty of capacity for maximum rating of pump. Return inlet is low. Occupies a minimum of floor space.
- *Centrifugal Pump:* Offers a wide range of pressures and GPM. Unique design features provide for ease of servicing.
- *Impeller:* Made of brass for long life. Efficient design provides maximum capacity, minimum motor load.
- *Pump Seal (A):* Features the ultimate in ceramic technology for exceptionally long life. Because the seal runs on the bronze impeller hub, the motor shaft is literally outside the pump. Consequently, the shaft is not exposed to corrosion by condensate. Rated for temperatures up to 250°F.
- *Isolation Valve (B):* Optional on 4200 Series Condensate Pumps



Complete NEMA 12 Control Panel (Optional)

Motor Circuit Protector, HOA Selector Switch, External Reset, Control Circuit Transformer, Pilot Light (pump running), Removable Mounting Plate and Terminal Strip in a Single NEMA 12 Enclosure, Mounted and Wired, with Single Point Power Connection.

4200 Series Engineering and Capacity Data

CAPACITY SQ. FT. E.D.R.	DISCHARGE PRESSURE P.S.I.	PUMP CAP. G.P.M.	MOTOR H.P.	REC. CAP. GAL.	UNIT MODEL NO.		SHIPPING WT. LBS.	
					SIMPLEX	DUPLEX	SIMPLEX	DUPLEX
2,000 4,000 6,000 8,000	20	3 6 9 12	1/3 1/3 1/3 1/3	6 6 13.5 13.5	4222-G 4224-G 4226-G 4228-G	 4226-GD 4228-GD	150 150 260 260	 295 295
10,000 15,000 20,000	20	15 22.5 30	1/2 1/2 3/4	13.5 24 36	42210-G 42215-G 42220-G	42210-GD 42215-GD 42220-GD	260 300 410	295 335 445
25,000 30,000	20	37.5 45	3/4 1	36 36	42225-J 42230-J	42225-JD 42230-JD	350 355	420 430
40,000	20	60	1-1/2	50	42240-J	42240-JD	420	500
50,000	20	75	2	50	42250-J	42250-JD	425	510
2,000 4,000 6,000 8,000 10,000	30	3 6 9 12 15	1/2 1/2 1/2 1/2 3/4	6 6 13.5 13.5 13.5	4232-J 4234-J 4236-J 4238-J 42310-J	 4236-JD 4238-JD 42310-JD	165 165 295 295 300	 360 360 365
15,000 20,000	30	22.5 30	1 1	24 36	42315-J 42320-J	42315-JD 42320-JD	305 355	380 430
25,000 30,000	30	37.5 45	1 1-1/2	36 36	42325-J 42330-J	42325-JD 42330-JD	355 360	430 440
40,000	30	60	2	50	42340-J	42340-JD	425	510
50,000	30	75	3	50	42350-J	42350-JD	435	525
2,000 4,000 6,000 8,000 10,000	40	3 6 9 12 15	1 1 1 1 1	6 6 13.5 13.5 13.5	4242-J 4244-J 4246-J 4248-J 42410-J	 4246-JD 4248-JD 42410-JD	170 170 295 295 295	 360 360 360
15,000 20,000	40	22.5 30	1-1/2 1-1/2	24 36	42415-J 42420-J	42415-JD 42420-JD	310 360	390 440
25,000 30,000	40	37.5 45	1-1/2 2	36 36	42425-J 42430-J	42425-JD 42430-JD	360 365	440 450
40,000	40	60	2	50	42440-J	42440-JD	425	510
50,000	40	75	3	50	42450-J	42450-JD	435	525
2,000 4,000 6,000 8,000 10,000	50	3 6 9 12 15	2 2 2 2 2	6 6 13.5 13.5 13.5	4252-J 4254-J 4256-J 4258-J 42510-J	 4256-JD 4258-JD 42510-JD	175 175 315 315 315	 395 395 395
15,000 20,000	50	22.5 30	2 3	24 36	42515-J 42520-J	42515-JD 42520-JD	330 370	415 460
25,000 30,000	50	37.5 45	3 3	36 36	42525-J 42530-J	42525-JD 42530-JD	370 370	460 460
40,000	50	60	5	50	42540-J	42540-JD	445	535
50,000	50	75	5	50	42550-J	42550-JD	445	535

Special Options

- Mechanical and electrical alternators
- Gauge glass
- Thermometer
- Discharge pressure gauges
- Isolation valves
- Special motor construction, such as totally enclosed and explosion proof, is available
- Magnetic starters with H-O-A selector switches
- 1750 RPM motors, larger pumping capacities and higher discharge pressures - consult factory
- Complete NEMA 12 Control Panel

Sample Specification

Furnish and install, where indicated on plans, an Armstrong 4200 Series (simplex or duplex) condensate pump, having a capacity of _____sq. ft. E.D.R. _____GPM against a discharge pressure of _____PSI. The receiver shall have a capacity of _____gallons and be of heavy-duty cast iron construction. Pump(s) shall be of the centrifugal type with two-piece enclosed brass impeller, cast iron housing, high temperature (250°F) mechanical seal

and stainless steel motor shaft. The float switch shall be two-pole with plastic case, stainless steel float and shaft, and double-break silver contacts. A flat perforated brass strainer shall be provided at the inlet to the pump from the tank. The motor(s) shall be vertical, 3450 RPM, _____phase, _____volt, 60 cycle, ____H.P. The complete unit is to be factory assembled and tested prior to shipment.