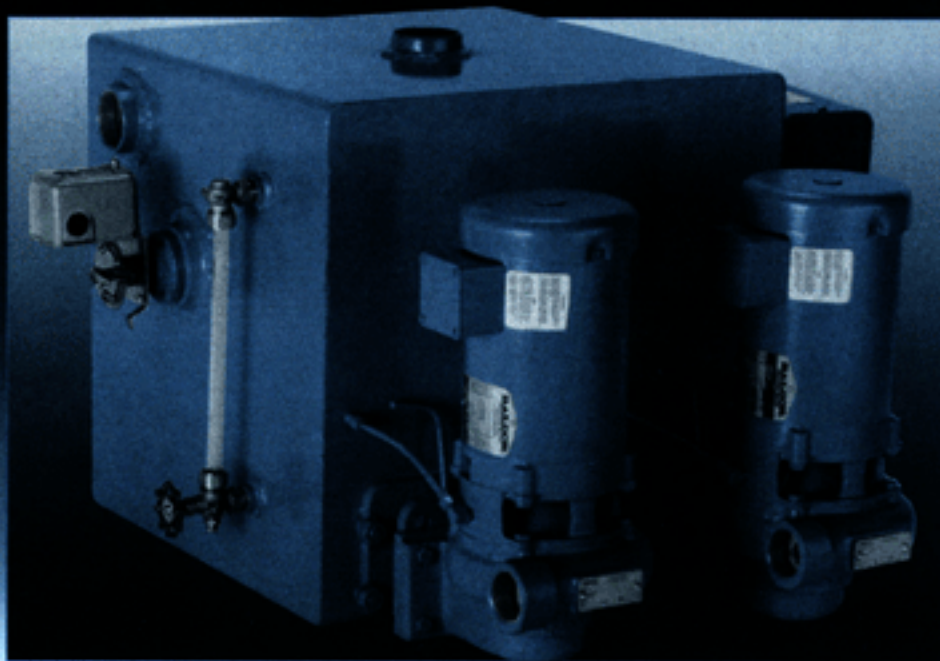


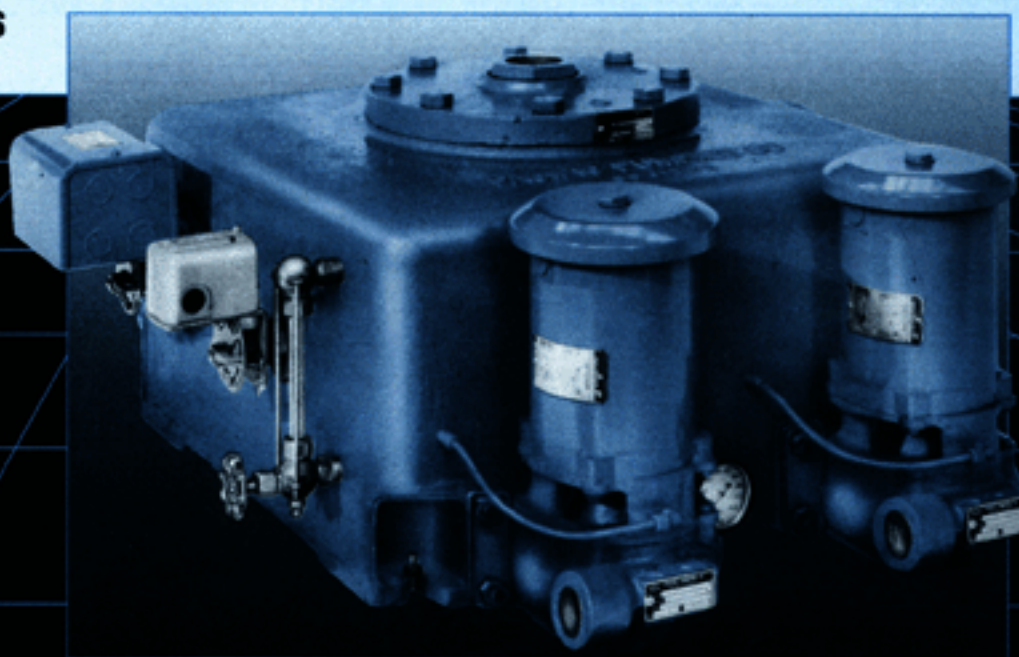
PACO
PUMPS

CONDENSATE RETURN UNITS

**TYPE GS
STEEL RECEIVERS**



**CAST IRON RECEIVERS
TYPE GR**



PACO® CONDENSATE RETURN UNITS

- **APPLICATION AND SELECTION FLEXIBILITY**
- **LOW INSTALLATION COST**
- **RELIABLE, LOW MAINTAINANCE OPERATION**

Standard Equipment

Receivers

- Type GR cast iron 15 to 100 gallons.
- Type GS $\frac{3}{16}$ " steel 14 to 150 gallons.
- Low inlets.
- Larger sizes available on request.

Electric Motors

Open dripproof or totally enclosed motors, single phase 115/230 volt or three phase 208/230/460 volt, 1750 or 3500 RPM. Motors thru 2 HP, 3600 RPM have stainless steel shafts. Larger motors are carbon steel shafts with bronze shaft sleeves.

Centrifugal pumps

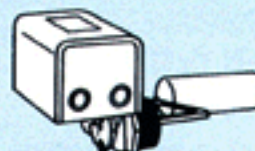
PACO end suction bronze fitted Centrifugal pumps with John Crane mechanical seal rated for 210°F temperatures, 2' to 4' Lo-NPSH designed bronze impellers, bronze wear rings on larger sizes, seal chambers vented to receiver to provide positive water circulation thru seal chamber.



Level controls

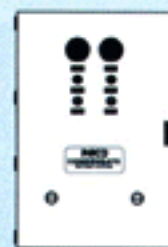
Simplex units are furnished with Square D float switch.

Duplex units are standard with Square D mech. alternator with optional Square D standby float switch or two Square D float switches with electric alternator. Nema I and IV enclosures are available.



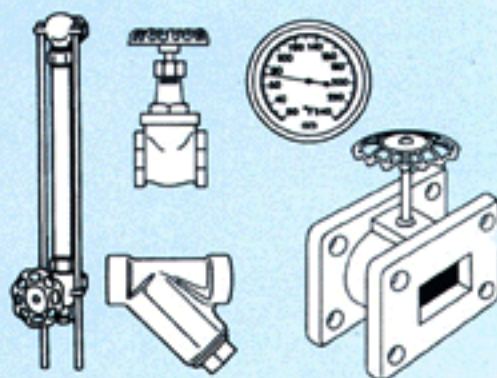
Control Panels

Simplex, Duplex, Nema I UL labeled panels, with magnetic starters, HOA switches, terminal strips, optional electric alternators, disconnect switches, running lights, alarms. (115 volt control circuit transformer for all 3 phase 460 volt units is recommended)



Optional Equipment

- Water level gauge glass with stopcocks.
- Wye type inlet strainer.
- 2 $\frac{1}{2}$ " dial thermometer.
- Mechanical seals for 250°F service.
- Control panels for wall mounting or mounted & wired on units. Nema I, IIIR & IV enclosures available.
- Stainless steel and galvanized steel receivers.
- Pump isolation suction valves.
- Custom units are available refer to factory.
- 50 Hertz, 1450RM or 2900RM motor selections



Paco Condensate systems are engineered and designed to provide the most efficient hot water pumping package for each job.

Condensate Pump and Motor Selections (Type LA)

3500 RPM

EDR	GPM	Receiver Size		PSI										
		Type GR	Type GS	10	15	20	25	30	40	50	60	70	80	90
2000	3	15 gal.	14 gal.	A5	A5	A5	A5	A7	A7	E20	E30	E30	E30	E50
4000	6	15 gal.	14 gal.	A5	A5	A5	A5	A7	A7	E20	E30	E30	E30	E50
6000	9	15 gal.	14 gal.	A5	A5	A5	A5	A7	A7	E20	E30	E30	E30	E50
8000	12	15 gal.	14 gal.	A5	A5	A5	A5	A7	B10	E20	E30	E30	E30	E50
10000	15	15 gal.	14 gal.	A5	A5	A5	A5	A7	B10	E20	E30	E30	E30	E50
15000	22.5	30 gal.	28 gal.	A5	A5	A5	A7	A7	B15	E20	E30	E30	E30	E50
20000	30	30 gal.	28 gal.	A5	A5	A7	A10	A10	B15	E30	E30	E30	E50	E50
25000	37.5	30 gal.	28 gal.	B5	B7	A10	B10	A10	B20	E30	E30	F50	E50	E50
30000	45	45 gal.	43 gal.	C5	B7	A10	B10	B15	B20	E30	E50	F50	E50	E50
40000	60	45 gal.	43 gal.	C5	C10	B15	B15	B20	F30	E50	E50	F75	F75	F75
50000	75	60 gal.	65 gal.	C7	C10	C15	C20	C20	D50	F50	F75	F75	F75	F75
60000	90	60 gal.	65 gal.	D10	C15	C20	C20	C30	D50	F75	F50	F75	F75	G100
70000	105	100 gal.	85 gal.	D10	D15	D20	D30	D30	D50	F75	F75	F75		
80000	120	100 gal.	110 gal.	D15	D20	D20	D30	D50	D50	G50	G75	G75		
100000	150	100 gal.	150 gal.	D20	D20	D30	D30	D50	D50					

1750 RPM

EDR	GPM	Receiver Size		PSI						
		Type GR	Type GS	10	15	20	25	30	35	40
2000	3	15 gal.	14 gal.	B5	E5	E5	H15	H15	H20	H20
4000	6	15 gal.	14 gal.	B5	E5	E5	H15	H15	H20	H20
6000	9	15 gal.	14 gal.	B5	E5	E5	H15	H15	H20	H20
8000	12	15 gal.	14 gal.	B5	E5	E5	H15	H15	H20	I30
10000	15	15 gal.	14 gal.	B5	E5	E5	H15	H15	H20	I30
15000	22.5	30 gal.	28 gal.	B5	E5	E7	H15	H20	H20	I30
20000	30	30 gal.	28 gal.	A5	E7	E7	H15	H20	H20	I30
25000	37.5	30 gal.	28 gal.	A5	E7	F10	H15	H20	H20	I30
30000	45	45 gal.	43 gal.	D5	F7	F10	H20	H30	I30	I30
40000	60	45 gal.	43 gal.	D5	F10	F15	I20	H30	I30	I30
50000	75	60 gal.	65 gal.	G7	F15	G15	I20	I30	I30	I50
60000	90	60 gal.	65 gal.	G10	G15	G20	I30	I30	I50	
70000	105	60 gal.	65 gal.	G10	G15	G20	I30	I30	I50	

Selection Code for Pump & HP

Pump			
Code	Model	Code	Model
A	12501	F	12705
B	12505	G	15701
C	15501	H	15951
D	15505	I	15955
E	10705		

HP			
Code	HP	Code	HP
5	1/2	30	3
7	3/4	50	5
10	1	75	7.5
15	1.5	100	10
20	2		

Note: 1. Refer to Dimension Prints for Cast Iron & 3/4" Steel Receiver Sizes.
2. 1/3 HP Motors are not utilized due to higher cost and longer availability than 1/2 HP Motors.

ENGINEERS SPECIFICATIONS

Type GRD & GSD

The contractor shall furnish and install a PACO (Simplex) (duplex) automatic (condensate) (boiler feed) unit, each pump shall deliver ____ GPM at ____ PSI at the pump. Pumps shall be mounted vertically and flanged to the receiver. Pumps shall be bronze fitted end suction centrifugal pumps with 210°F mechanical seals close coupled to ____ HP (Single) (three) phase (115) (208) (230) (460) volt 60 hertz (1750) (3500) RPM, (open dripproof) (totally enclosed) electric motors. A vent line shall be furnished from each pump seal chamber to the receiver.

Type GRD

Receiver shall be heavy wall ____ gallon cast iron with 2" vent, 3/4" drain & (2") (3") inlet.

Type GSD

Receiver shall be ____ gallon 3/16" black steel with 2" vent, 3/4" drain & (2") (3") inlet.

Simplex unit shall include Nema I Square D class 9037 float switch assembly. Duplex unit shall include Nema I Square D class 9038 mechanical alternator (with) (without) auxiliary standby float switch (or) two Square D class 9037 float switches with electric alternator in panel.

Type BRD Type BSD

Boiler feed simplex or duplex units will be furnished with Square D class 9038 float switch and 1/2" solenoid makeup valve mounted on vent pipe line with air gap on CI tanks and on 1 1/2" opening on top of 3/16" black steel tanks with air gap.

Optional Equipment

- 1/2" water gauge glass with stopcock.
- Wye type inlet strainer (2") (3").
- 2 1/2" dial thermometer
- Type GSD receivers can be furnished in stainless steel or galvanized steel construction.
- 3/4" solenoid on larger units.
- Magnetic motor starters with HOA switch shall be furnished for each pump motor (mounted and wired on receiver) (for remote mounting) Nema I enclosures.
- Duplex control panel with magnetic starters, HOA switches, (with) (without) circuit breakers 115 volt control circuit transformer, 3rd leg overload protection, terminal strip, Nema I enclosure shall be furnished (mounted on receiver & wired) (for remote wall mounting) Nema I enclosure (with) (without) electric alternator.

**PACO.
PUMPS**

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