

## Specifications

### SUGGESTED SPECIFICATIONS

Furnish and install as shown on plans a Federal Type CCV Simplex (or Duplex) Condensation Return Unit with a rated capacity of \_\_\_sq. ft. E.D.R. at a discharge pressure \_\_\_\_\_ p.s.i.g. at the pump. (Each)Pump shall be designed to deliver \_\_\_ G.P.M. at the specified discharge pressure.

Entire unit to be factory assembled with all controls mounted and wired thereon, and to include one (or two) close-coupled, bronze fitted centrifugal pump and motor unit(s) flanged to a cast iron (or steel) receiving tank of \_\_\_\_\_ gallon capacity. Pump to have mechanical shaft seal and bronze shaft sleeve. Motor and rotating assembly to be removable without disturbing discharge piping.Pump(s) to be close-coupled to NEMA motor(s) of H.P., \_\_\_\_\_ Phase, \_\_\_\_\_ cycles, \_\_\_\_\_ volts \_\_\_\_\_R.P.M. drip-proof (or totally enclosed, or explosion-proof) enclosure.

(Each) Pump to be controlled by individual enclosed float switch; (if alternation is desired on duplex units, specify an alternating float switch in lieu of the two standard float switches).

Furnish a magnetic starter, mounted and wired, for each 3-phase motor or 1-phase motor in integral H.P. frame sizes. Single phase fractional H.P. frame motors shall have built-in overload protection switches.

Alternating Float Switch (Replaces the two standard float switches on a duplex unit, to automatically alternate cycle of operation, as well as providing 2-pump operation under peak conditions.)

Make-Up Water Valve (In lieu of float switches, where pumps are to be controlled by the boiler water level. The receiving tank size should be increased for make-up water storage.)

Combination Starters

Special Enclosures for Motors, Starters and Switches

Inlet Strainer for Receiver

Special Thermometers and Pressure Gauges

Galvanizing for Steel Receivers

Control Panels (Wall, Floor or Unit Mounting)

Fractional H.P. Starters for Single Phase Units

Wall-Mounting Alternators

Non-Standard Receiver Sizes

Lead-Lag Pump Selection

Shut Off Valve for Pump Suction



Supplemental # 0210

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Furnish and install as shown on plans, federal pump corporation type CCV duplex condensation return units, with each pump rated as shown in the pump schedule. The entire unit is to be factory assembled with all controls mounted and wired thereon.

Each unit shall include (2) close-coupled, bronze-fitted centrifugal pump and motor units. Pumps shall be of the centerline discharge, top pull-out design, to permit removal of the motor and rotating assembly without disturbing discharge piping. Each pump shall have an enclosed, bronze, balanced impeller and a mechanical shaft seal with a copper venting line from the seal chamber into the receiver.

The receiver shall be of single-piece cast iron construction of the size shown in the pump schedule.

Pumps shall be close-coupled to standard NEMA frame motors in open drip-proof housings, rated as shown in the pump schedule. Pumps shall be controlled by an alternating float switch which alternates the operating cycles or the two pumps and provides simultaneous operation when required.

Furnish a magnetic starter for each motor with overload protection on each phase, Factory wired to the motors and the alternator.

UNIT NUMBER	MODEL NAME	SQUARE FT. E.D.R.	G.P.M. PER PUMP	DISCHARGE PRESSURE	RECEIVER CAPACITY
CP-1	.....	.....	.....	.....	.....
CP-2	.....	.....	.....	.....	.....
CP-3	.....	.....	.....	.....	.....
UNIT NUMBER	MOTOR H.P.	MOTOR R.P.M.	PHASE	CYCLES	VOLTS
CP-1	.....	.....	.....	60	.....
CP-2	.....	.....	.....	60	.....
CP-3	.....	.....	.....	60	.....



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The receiver shall be of heavy welded steel construction of the size shown in the pump schedule.

Pumps shall be close-coupled to standard NEMA frame motors in open drip-proof housings, rated as shown in the pump schedule. Pumps shall be controlled by an alternating float switch which alternates the operating cycles or the two pumps and provides simultaneous operation when required.

Furnish a magnetic starter for each motor with overload protection on each phase, Factory wired to the motors and the alternator.

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