

Chicago Pump Company

Office and Works

Chicago, Ill.

2330 Wolfram Street
**QUALITY CENTRIFUGAL PUMPS, Condensation, Sump, Vacuum, Sewage,
 House Circulating, Fire, Pneumatic, Electric Cellar Drainers, and the
 Automatic Alternator.**

List of Representatives

ARIZONA, Phoenix, J. W. Ladlow	KANSAS, Wichita, J. M. O'Connor	NEBRASKA, Lincoln, Cornell Supply Co. Omaha, H. A. Campbell	SOUTH CAROLINA, Greenville, James McCabe
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VERTICAL CONDENSATION PUMP AND RECEIVER

The vertical condensation pump and receiver is designed particularly to collect the return from heating coils, etc., that come back below the floor level. No concrete pit is required, the unit being adaptable to ground installation, thus using a minimum of floor space. ASK for BULLETIN 133.

Unit No.	Maximum Sq. Ft. Direct Radiation	Lbs. Press. Pump will Disch. Against	Horsepower Motor Furnished	Capacity Pump in Gals. per Min.	Dia. Receiver, In.: also Floor Space
1650	3,000	10	1/2	5	24
1651	"	17	3/4	"	"
1652	"	22	1	"	"
1654	6,000	10	1/2	10	24
1655	"	17	3/4	"	"
1656	"	22	1	"	"
1658	10,000	10	1/2	15	24
1659	"	17	3/4	"	"
1660	"	22	1	"	"
1662	15,000	14	3/4	21	24
1663	"	18	1	"	"
1665	25,000	12	3/4	35	30
1666	"	16	1	"	"
1668	40,000	10	3/4	55	30
1669	"	14	1	"	"
1670	"	21	1 1/2	"	"

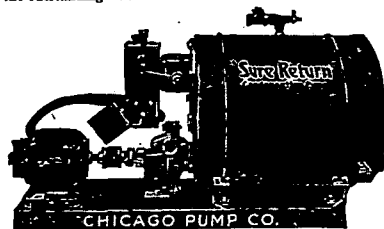


Vertical Condensation Pump

Fig. 1940

HORIZONTAL CONDENSATION PUMP AND RECEIVER

Horizontal condensation pumps and receivers are designed for capacities up to 150,000 sq. ft. of direct radiation and boiler pressures up to suit any job. All units are mounted on one base and are assembled at the factory. Simple construction, quiet operation, and low operating costs are a few of the outstanding features.

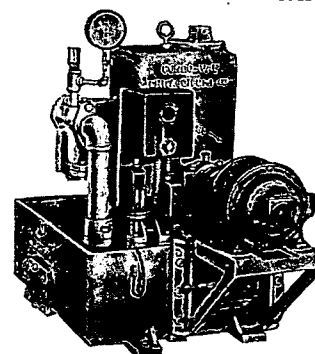


"Sure Return" Condensation Pump—Fig. 1947

The "Sure Return" condensation pump and receiver is especially designed for low and medium capacities and boiler pressures up to 10 lb. All parts are standard and interchangeable. Delivery can be made on this unit in 24 hours. Ask for Bulletin 131.

AUTOMATIC ALTERNATOR.—Provide a Chicago Pump Company's Automatic Alternator which will automatically transfer the operation from one pump to the other. This alternator will also start the second pump in the event of the failure of the first pump, or will cause both pumps to operate if necessary.

"CONDO-VAC" VACUUM CONDENSATION PUMPS

Single "Condo-Vac"
Fig. 1990

For the efficient operation of a vacuum heating system where steam must be made to circulate quickly throughout the system, and where the condensate must be returned as quickly as possible to the boiler, the "Condo-Vac" has been highly recommended.

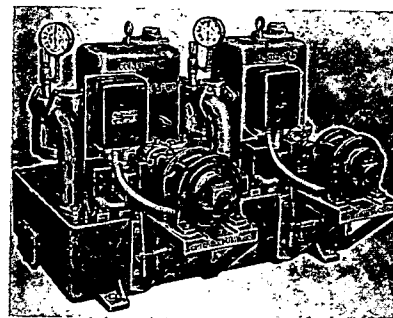
Many "Condo-Vacs" now giving 100 per cent service attest to its efficiency.

The "Condo-Vac" pump is completely bronze fitted, having shaft, rotor, impeller, wearing rings, and impeller and rotor nuts of bronze. This is the same construction as the well known "Chicago" D-Type pumps which are noted for their long life and splendid wearing qualities.

The Receiver of the "Condo-Vac," which also serves as a base, is made of cast iron. Several ribs and post supports give this receiver great strength and assure its vibrationless rigidity when the pump is in operation. The construction of the receiver eliminates the necessity of a special foundation for the pump and forms an ideal base for the pump proper. Cleapout plates are furnished for front and back of receiver and afford adequate means of cleaning the receiver when necessary. A drain is provided for the depression on the top of the receiver.

A heavy cast iron base carries the motor and is adjustable for various motor heights—base provides plenty of ventilation for motor.

The new "Condo-Vac" is inexpensive to install as no special foundation is necessary. The receiver is heavy and flat, and is altogether adequate to serve as a solid base. All piping and wiring in the unit itself is done at the factory.

Duplex "Condo-Vac"
Fig. 1991

ARCHITECTS' SPECIFICATIONS DUPLEX "CONDO-VAC"

Furnish and install where indicated on plans, a duplex "Condo-Vac," centrifugal condensation and vacuum return line pump as manufactured by the Chicago Pump Company. This unit shall be a complete duplex pump mounted on one cast iron receiver together with all apparatus necessary for duplex automatic vacuum and float switch control.

Each pump shall have a capacity of _____ sq. ft. of direct radiation and shall have a pressure of _____ lb. at the pump discharge.

Cast iron receiver shall be so arranged that inlet will not be more than 12 in. from the floor. Pump casing shall be horizontally split. Suction strainer shall be placed between vacuum pump and receiver. Each pump shall be equipped with two out-board ball bearings.

Control apparatus shall include two enclosed, fused, main line switches, two enclosed float switches, two manual vacuum cut out automatic, vacuum switches, two manual vacuum cut out switches, and two enclosed automatic starters providing overload and low voltage protection. Each unit shall be controlled by its own vacuum switch and float switch, and piping and wiring shall be so arranged that either unit can be operated independent of the other.

All wiring and electrical connections between motors and control apparatus will be made when equipment is assembled at the factory. The entire pumping equipment is to be shipped from the factory in a complete unit, leaving only wiring between electrical service and motor and piping connections between inlet to receiver and discharge of pump to be done after pump has been shipped.

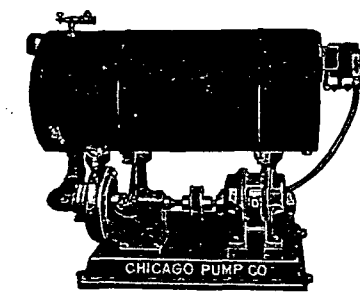
"CONDO-VAC" TABLES For 10 lb. Pressure at 1720 r.p.m.

Unit No.	Direct Radiation	H.P. Motor for 10 lb. Pressure	Air Cap. 10" C.F.M.	Water Pump Capacity, G.p.m.	Size Return Inlet in Inches	Pump Discharge in Inches	Approx. Floor Space in in
2601	8000	1	5	12	2	1 1/4	48x56
2602	16000	1 1/2	10	24	3	1 1/4	56x60
2603	26000	2	15	39	3	1 1/2	60x62
2604	40000	3	21	60	4	2	66x62
2605	65000	5	36	96	4	2	

For 20 lb. Pressure at 1720 r.p.m.

Unit No.	Direct Radiation	H.P. Motor for 20 lb. Pressure	Air Cap. 10" C.F.M.	Water Pump Capacity, G.p.m.	Size Return Inlet in Inches	Pump Discharge in Inches	Approx. Floor Space in in
2609	8000	1 1/2	5	12	2	1 1/4	48x56
2610	16000	2	10	24	3	1 1/4	56x60
2611	26000	3	15	39	3	1 1/2	60x62
2612	40000	5	19	60	4	2	66x62
2613	65000	7 1/2	34	96	4	2	

F. C. CONDENSATION PUMP

F. C. Condensation Pump
Fig. 1931

The F. C. or Float Controlled type condensation pump and receiver is designed for low, medium and high boiler pressures and capacities up to 150,000 GPM. Bulletin 129.

Horizontal Condensation Pump

Capacities, Horsepower and Floor Space tables may be had by asking for Bulletin.