

Chicago Pump Company

2330 Wolfram Street

BRUNSWICK 4110

Chicago 18

PRODUCTS—Return Line Vacuum Heating and Boiler Feed Pumps, Condensation, House, Booster, Fire Pumps, Circulating, Brine, Sewage, Bilge, Sludge, Pneumatic and Tankless Water Supply Systems and Automatic Alternator for Duplex Sets of Pumps.

"CONDO-VAC"

Return Line Vacuum and Boiler Feed Pump for Heating Systems

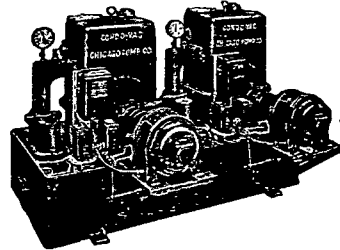


Fig. 2102—Duplex "Condo-Vacs" with Duplex Double Automatic Control

No vacuum on stuffing boxes, ample clearance in rotating member. It costs less to operate a "Condo-Vac." "Condo-Vac" reduces corrosion in piping and boiler to minimum—because pump does not take in air from atmosphere and entirely eliminates all air coming back from system. "Condo-Vac" is quiet, has a low inlet, entirely automatic, fool-proof, easy to maintain. Ask for bulletin 270.

Close-Coupled Pumps

Boiler Feed, Circulating, Tank Filling, Water Supply

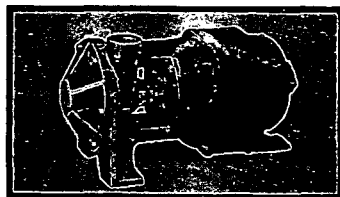


Fig. 2130—Close-Coupled, side suction pump. Capacities range from 5 to 600 Gpm against heads up to 189 ft. Motors from 1/8 to 20 Hp. Discharge 1 to 3 in. Closed and open type impellers. Bulletin 108.

"Sure-Return" Condensation Pump

for Low and Medium Pressure, and Systems up to 75,000 Sq Ft Radiation

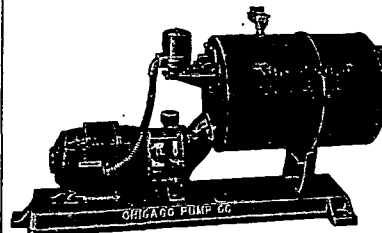


Fig. 1946

"Sure Return" Condensation Pumps and Receivers are built for systems up to 75,000 sq ft of direct radiation and for low and medium pressures. Built in either single or duplex units. Duplex units are alternated in their operation by the Automatic Alternator. Complete data in Bulletin 250.

Vertical Condensation Pumps

for Low and Medium Pressure for Systems from 500 to 100,000 Sq Ft Radiation



Fig. 1940 Vertical Condensation Pump

The vertical condensation pump is designed to receive returns from lowest radiation. The receiver is placed underground—an ordinary hole sufficing if necessary—and requires very little floor space. Unit is shipped complete, easy to install, assembled so as to prevent steam leaks. Special bearings will stand up under hot water for several years. A special float mechanism is guaranteed not to leak or stick in stuffing box. Complete data and description in Bulletins 245, 255 and 255.

Barnes & Jones

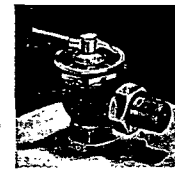
129 Brookside Avenue

New York Office: 101 Park Avenue

Boston, Mass.

Barnes & Jones Vapor and Vacuum Systems of Steam Heating; Modulation Valves; Adjustable-Orifice Radiator Valves; Packless Quick-Opening Radiator Valves; Thermostatic Radiator Traps; Thermostatic Trap Replacement Units; Condensators (Boiler Return Traps); Float and Thermostatic Traps; Strainers; Damper Regulators; Gages; Systems of Zone Control for Steam Heating. Complete Catalog on Request

Modulation Valves, Series K—Packless Quick Opening Valves, Series F



Series K Valves have non-tarnishable indicating dial, non-rising stem, renewable disc seat. Tail piece extra heavy. Extra long to facilitate installation. Three models: lever handle, wheel handle, lock shield. Series F Valve furnished with wheel handle only.

Series K Valve

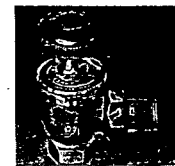
Size.....	1/2"	3/4"	1"	1 1/4"
Cap. Sq Ft Rad.*	30	60	100	180

Series F Valve

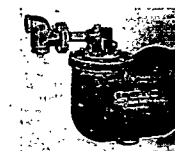
Size.....	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Cap. Sq Ft Rad.*	30	60	100	180	270	400

*Based on 2 oz pressure differential.

Adjustable Orifice Valves, Type H



May be adjusted for different capacities after installation. At all times provides indication of the adjustment. Operation is quiet. Unauthorized tampering with adjustment is virtually impossible.



Condensators

For returning water of condensation to boiler from open return line systems independently of boiler pressure, without change in operating conditions, air binding, or admitting steam to the return side.

No.....	31	32	33	34	35	36
Cap. Sq Ft Rad.*	700	1600	3500	6000	10,000	16,000

Thermostatic Radiator Traps

Sturdily made to precision standards. Sensitive in operation. Provide instant discharge of air and water, prevents passage of steam. Contains unique Cage Type Thermostatic Unit, which carries its own thermostatic element, valve piece and valve seat, factory calibrated and locked in correct adjustment.



Trap Size and Number	Capacity Sq Ft. @ 1/2"	Patterns
1/2" x 1/2" # 122	200	Ang.-R & L Corner-St'w'y.
3/4" x 3/4" # 134	400	Ang. & St'w'y.
1" x 1" # 147	700	Angle only.

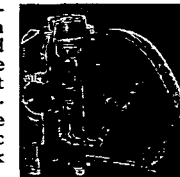
Thermostatic Radiator Cage Replacement Units

Offer complete and reliable trap renewal in practically every make of thermostatic trap. You simply (1) remove the old cover and unit, (2) insert the new Barnes & Jones Cage Unit, (3) replace the cover, and the old trap will operate with its original efficiency.



Float and Thermostatic Traps

Handle large and sudden condensation loads. Large air and water capacity. Large float assures instant opening of the discharge valve. Cage Type Thermostatic Unit assures quick elimination of air.



Trap No.....	T41	T42	T43	T44	T45
Inlet & Outlet Tapings	1/2"	1"	1 1/4"	1 1/2"	2"
Capacity Sq. Ft. @ 2"	800	2000	4800	9600	20000