

Westco-Chippewa Pump Company

(Incorporated)

Factory and General Offices: Davenport, Iowa

Branches

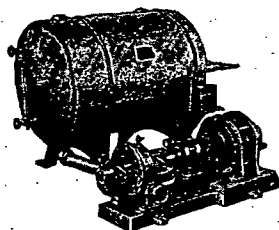
WESTCO-CHIPPEWA PUMP CO.
1415 Howard Street
CHICAGO

NEW YORK OFFICE
90 West Street
NEW YORK CITY

WESTCO-CHIPPEWA PUMP SALES CO.
579 Howard Street
SAN FRANCISCO, CALIF.

WESTCO PUMPS

Westco Condensation Pumps and Receivers

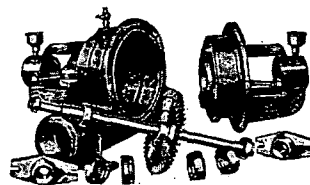


Single Stage—Double Suction

Westco Pumps and Receivers are used for automatically returning to low and high pressure steam plants, condensation from radiation systems, heaters, steam coils, etc. They save the water supply, and to a considerable extent the fuel by returning the condensate while hot, also inducing proper circulation in the system.

Each unit consists of Westco pump direct connected to motor and heavy steel plate galvanized receiver tank mounted on heavy cast iron pedestals which form a solid foundation. Entirely automatic operation. Water gauge and necessary fittings between pump and receiver tank are furnished with all units.

The Westco is a double suction ball bearing pump, possessing perfect hydraulic balance, which



Only One Moving Part

insures long life and freedom from adjustments and repairs. The design allows complete disassembly without disturbing the suction and discharge connections.

Because of its wide operating range the Westco eliminates the necessity for carefully computing the head against which it must operate. Westco pumps will operate against variations of as much as 50 per cent either way in the head against which they were intended to operate. Even though the safety valve is set higher than it should be, this remarkable pump still returns the condensate to the boiler.

In addition to the features outlined, the Westco is silent, smooth running, requires very little space, because of its extreme compactness and will operate for months with a minimum of attention.

SELECTION TABLE WESTCO CONDENSATION PUMP AND RECEIVER UNITS

Max. Sq. Ft. Direct Radiation	*Pump Capacity G.P.M.	POUNDS PRESSURE—Against which Pump will discharge, operating at 1750 r.p.m.							
		10	20	30	40	50	60	100	
1000 to 2000	5	C3H6-1/4	C4H6-1/4	C4H6-1/2	C5L7-3/4	C5L7-3/4	C5K8-1	C6K7-3	
2000 to 4000	10	C4G7-3/4	C4G6-1/2	C4G6-3/4	C5K8-1	C5K8-1	C6K7-11/2	C6K7-3	
4000 to 6000	15	C4G6-3/4	C4G5-1/2	C4G5-3/4	C6K7-1	C6H7-2	C6H7-2	C6H6-5	
6000 to 7500	20	C4F6-3/4	C4F5-1/2	C4F5-3/4	C6H7-11/2	C6H7-2	C6H6-5	C6H5-3	
7500 to 10000	25	C4F5-3/4	C4D7-1	C4D7-1/2	C5F8-11/2	C6H6-2	C6H5-3	C6H5-3	
10000 to 15000	30	C4F5-1/2	C4D5-1	C4D5-1/2	C5F6-2	C6H5-3	C6F8-5	C7H8-7/2	
15000 to 20000	40	C4D6-3/4	C4D5-1/2	C4D5-1	C5F6-2	C6H5-3	C6F7-5	C7H7-10	
20000 to 25000	50	C4D5-1	C4D5-1/2	C4D5-1	C5D7-3	C6F8-3	C6F6-5	C7H7-10	
25000 to 30000	60	C5F5-11/2	C5D7-3	C5D7-3	C6F7-3	C6F7-5	C6F6-5	C7H7-10	
30000 to 35000	70	C5D7-11/2	C5D7-3	C5D7-3	C5D6-5	C6F5-7/2	C7H7-7/2	C7H6-15	
35000 to 40000	80	C5D7-11/2	C5D7-3	C5D7-3	C5D6-5	C6F5-7/2	C7H6-10	C7H6S-20	
40000 to 45000	90	C5D7-11/2	C5D6-5	C5D6-5	C5D6-5	C6F5-7/2	C7H6-10	C7H6S-20	
45000 to 50000	100	C5D6-2	C5D6-5	C5D6-5	C6F5-5	C7H6-7/2	C7H6-10	C7H6S-20	

*Pump capacity based on handling 190 deg. Fahr. water.

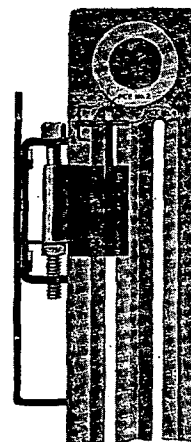
†Information on pumps for pressures not shown on table furnished on request.

NOTE.—The above unit numbers indicate the model Westco pump and size motor. Example: Unit number C3H61/4 indicates a model 3H6 Westco Double Suction Bronze fitted pump requiring a 1/4 hp. 1725 r.p.m. motor. See Dimension table for size of receiver.

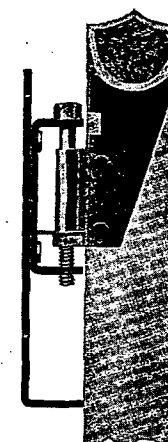
Clip-Bar Manufacturing Co.

RADIATOR BRACKETS

1119 to 1125 Roy Street, Philadelphia, Pa.



SIMPLEX BRACKET
Carrying Tube Radiator



SIMPLEX BRACKET
Carrying Wall Radiator

The "Simplex" Top Hung Radiator Bracket, for tube radiation, is designed upon an entirely new principle. Heretofore radiator brackets have carried the radiators from the central hub of the radiator, either top or bottom, but the "Simplex" bracket carries the radiator from the rear tubes which eliminates the necessity of using a great variety of supporting hooks or shoes, several length of wall plates and a number of sizes of tie rods.

Construction: Rigid wrought steel construction throughout, unbreakable, guaranteed.

Tube Radiators: The Simplex Radiator Bracket is made in one size only, which accommodates all standard tube radiators regardless of make, number of tubes or height.

Wall Radiators: The hooks for wall radiators are interchangeable with hooks for tube radiators and accommodate all standard makes of wall radiation.

Top Hung: No projection beyond face or below bottom of radiator. Always clears surbase.

Concealed: Brackets are in back of the radiator and below the top of same.

Brackets are concealed yet accessible for making adjustments.

Clearance from Wall: Simplex Top Hung Radiator Bracket hold the radiator two inches from the wall.

Installation: Easily and quickly attached to wall, one 1/2 in. bolt is all that is necessary. Two

can be used if desired. Radiators can be removed from brackets for painting without disturbing the adjustment or any part of the bracket.

A locking device is provided on the bracket to hold hook at right angle to wall to receive radiator.

Adjustment: Brackets are adjustable both vertically and horizontally. The 2 1/2 in. slot in the wall plate eliminates the necessity of exact measurement in locating bolts. Radiators can be adjusted after placing on hanger.

Economy: One size brackets for all sizes of standard tube radiators, with interchangeable hooks for wall radiation.

Eliminates the use of various height brackets and various sizes of hooks and tie rods. The elimination of the tie rods is an important advantage as the tie rods are not only unsightly but take time to install. No left overs from one job that cannot be used on the next.

No expensive delays waiting for brackets due to a change in size or height of radiators during progress of the work. A complete assembled unit.

By carrying stock on hand, work can be immediately installed without waiting for additional parts. **Safety:** When the radiator is in place on the hook of the "Simplex" bracket it is securely held by the slot in the hook and cannot be dislodged without lifting off the hook.

Weight: Both wall and tube brackets weigh about 4 1/2 lbs. each.