

Pumps

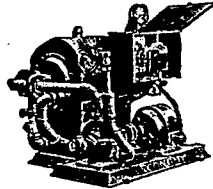
Economy Pumping Machinery Co.

98-124 N. Curtis St., CHICAGO

Works, JOLIET, ILL.

NEW YORK BALTIMORE DETROIT ST. LOUIS SALT LAKE CITY SAN FRANCISCO
PHILADELPHIA PITTSBURGH CINCINNATI NEW ORLEANS PORTLAND LOS ANGELES
BOSTON CLEVELAND ATLANTA DENVER SEATTLE MINNEAPOLIS

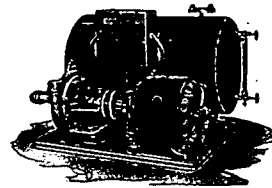
AUTOMATIC CENTRIFUGAL VACUUM AND BOILER FEED PUMPS Standard-Boiler Pressure 20 lb.



Type 2234
Made for Boiler Pressures
up to 100 lb.

Unit No.	Capacity Sq. Ft. Dir. Rad.	Motor Horse- Power	Cubic Feet Air per Min.	Return Connection Inches	Shipping Weight Pounds
C. V. 1	2,500	3/4	1 1/4	1 1/2	650
C. V. 2	5,000	1	4	2	750
C. V. 3	8,000	1 1/2	6	2 1/2	900
C. V. 4	16,000	2	10	3	1,025
C. V. 5	20,000	3	15	3	1,150
C. V. 6	27,500	5	19	3 1/2	1,300
C. V. 7	40,000	5	24	4	1,550
C. V. 8	65,000	7 1/2	40	5	1,800
C. V. 9	100,000	10	60	6	3,100
C. V. 10	150,000	15	90	6	4,000

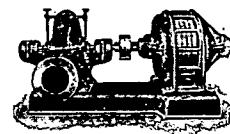
AUTOMATIC CONDENSATION PUMP AND RECEIVERS



Type 2178
Made for Boiler Pressures up to
125 lb.

No. of Unit	Capacity Sq. Ft. C. I. Direct Radiation	Motor Horse Power	Boiler Pres- sure Lbs.	Ca- pa- city Re- ceiver Gals.	Con- den- sate Gals. per Min. at 25 lb. per Sq. Ft.	Pump Ca- pa- city Gals. per Min.	Approx. Shipping Weight Lbs.
5	1,000	1/6	10	11	1 1/2	5	300
6	2,000	1/4	10	13	1 7/8	7 1/2	350
6 1/2	3,500	1/2	10	16	1 3/4	12	400
7	5,000	1/2	10	20	2 1/2	15	450
7 1/2	7,500	3/4	15	25	3 1/4	20	500
8	10,000	1	15	33	5	25	600
8 1/2	15,000	1 1/2	15	41	7 1/2	37	700
9	25,000	2	15	49	12 1/2	60	850
9 1/2	35,000	3	15	57	17 1/2	80	1,000
10	50,000	5	15	82	25	110	1,200

HORIZONTAL DOUBLE SECTION SINGLE STAGE PUMPS



Type 2235
Multi-Stage Pump for any
Pressure up to 230 lb.

Size Discharge Inches	Range of Capacity G.P.M.	Type H Maximum Head in Ft. 1750 R.P.M.	Type M Maximum Head in Ft. 1750 R.P.M.	Type S.M. Maximum Head in Ft. 1750 R.P.M.	Motor H.P. Depending Upon Head
1 1/2	20-40	...	...	70	1-2
1 1/2	40-90	...	...	70	1-3
2	50-75	...	...	100	1-5
2	75-175	...	...	90	2-7 1/2
2 1/2	75-125	160	110	110	7 1/2-15
3	125-250	220	130	130	10-35
3	250-400	220	140	...	15-40
4	400-700	250	140	...	15-75
5	600-900	275	150	...	15-100
6	800-1200	300	180	...	15-150
8	1000-2500	380	220	...	15-200
10	2000-3000	380	220	...	20-400

CAPACITIES, SPEEDS AND POWER BILGE PUMPS AND SEWAGE EJECTORS Made in Single or Duplex Form (Any Capacity for any Head)



Type 2104

Head in Feet	Capacity in Gals. per Min.	35-40		40-50		50-75		85-100		115-125		150-175	
		Size Speed H. P.	1 1/2" S. 1750 3/4	1 1/2" S. 1750 1	2" L.S. 1750 1 1/2	2" S. 1150 1 1/2	2 1/2" S. 1750 2	2 1/2" S. 1750 1 1/2	3" S. 1750 3	3" S. 1150 2	4" L.S. 1750 3	4" L.S. 1150 2	
20.	Capacity in Gals. Min.	200-250		300-350		400-500		600-700		800-1000			
	Size Speed H. P.	4" L.S. 1750 3	4" L.S. 1150 3	4" L.S. 850 3	5" L.S. 1150 5	5" L.S. 850 5	6" S. 1150 5	6" S. 850 5	6" S. 1150 7 1/2	6" S. 850 7 1/2	8" S. 1150 10	8" S. 850 10	9" H.S. 680 10

Pumps

The Nash Engineering Company

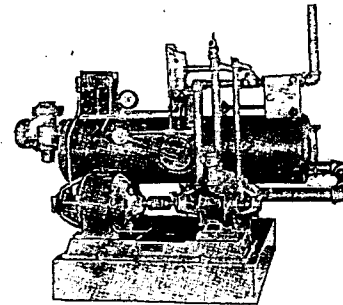
South Norwalk, Conn., U. S. A.

INDIANAPOLIS—821 Hume-Mansur Bldg.
KANSAS CITY—208 Mutual Bldg.
LOS ANGELES—1824 S. Hope St.
MINNEAPOLIS—501 S. Sixth Street
MONTREAL—84 Inspector Street
NEW ORLEANS—521 Baronne Street
NEW YORK—350 Madison Ave.
PHILADELPHIA—254 South 15th Street
PORTLAND—224 Pine Street
BOSTON—Nottingham Bldg., Copely Square
BUFFALO—840 Ellicott Square
CHICAGO—1220 Monadnock Block

SALES
OFFICES

CLEVELAND—1392 West 3rd Street
DALLAS—1020 Dallas County Bank Bldg.
DENVER—518 Boston Bldg.
DETROIT—Kerr Building
HOUSTON—Southern Pacific Bldg.
PITTSBURGH—Oliver Bldg.
SALT LAKE CITY—204 Doody Bldg.
SAN FRANCISCO—Sharon Bldg.
SEATTLE—220 Railway Exchange
ST. LOUIS—4200 Forest Park Blvd.
TOLEDO—136 Huron Street
TORONTO—1001 Kent Bldg.

WASHINGTON—710 14th Street, N. W.



Jennings Unit Type Condensation Pump
and Receiver

This new Unit Type Condensation Pump and Receiver is essentially the same design as our well known Type M Jennings Return Line Vacuum Heating pump. The cut above shows the appearance of the 5,000 sq. ft. unit. You will note that no piping between pump and receiving tank is necessary. The only connections are main return, water discharge and air vent. Companion flanges are furnished, making the installation of this pump extremely simple and economical. The pump is equipped with an integral cast-bronze shaft mounted on motor shaft and supported by large motor bearings.

The automatic control in this unit is enclosed in its metal cabinet and includes overload and phase failure protection for polyphase current. The wiring between motor and float switches is done in our shop. The automatic control is operated by a 6 in. seamless drawn copper ball on a 14 in. stem, giving ample power. Standard units are furnished in this design for any capacity up to 16,000 sq. ft. and can be supplied for 10 or 20 lb. gage pressure at the pump.

Special bulletins are available describing this and our other products.

Requires one-third the space necessary for other apparatus. Interior parts bronze. Moving parts revolve without contact, supported on annular ball bearings mounted outside casing.

Furnished direct connected to standard electric motors or for belt drive, also with steam turbine designed to operate at steam pressure of 75 lb., but this can be varied. Turbine units are designed to discharge condensate against boiler pressure not exceeding 20 lb.

STANDARD SIZES AND CAPACITIES, JENNINGS HYTOR VACUUM PUMPS

Size	Square Feet direct equivalent radiation surface	Air Capacity cubic feet per min.	Water Capacity gals. per min. 10 lbs. pres. 180° F.	Actual Horse Power	R. P. M.	Horse Power of Motor
M	5,000	3	8	.6	1700	3/4
A	8,000	6	11	.9	1800	1
B	16,000	11	22	1.4	1800	1 1/2
C	26,000	19	35	2.0	1800	2
D	40,000	25	60	2.8	1200	3
E	65,000	42	90	3.9	1200	5
F	100,000	75	140	9	1200	10
G	150,000	90	200	10	900	10
H	250,000	180	400	19	720	20