

HOFFMAN-ECONOMY RETURN LINE VACUUM PUMPS

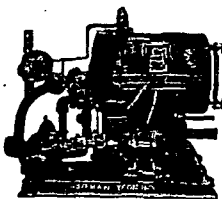
The jet type vacuum producer used in these pumps is one of the simplest and best known methods for exhausting air and vapors. It has no moving parts and avoids close clearances so that loss of efficiency, due to wear, is reduced to a minimum. Pumps will handle extremely hot water and are smooth and quiet in operation.

All units of 16,000 sq. ft. and over have horizontal split case pumps with enclosed, double suction, bronze impellers. SV-1, 2 and 3-A units have vertically split volute pumps, with enclosed impeller, removable bronze stand bearing and outboard ball bearing. Operation is controlled by float switch and vacuum regulator.

Pump	Capacity Sq. Ft. Dyr.	Water	Air	Motor H.P.
SV-1	16,000	100	100	10
SV-2	16,000	100	100	10
SV-3	16,000	100	100	10
SV-4	16,000	100	100	10
SV-5	16,000	100	100	10
SV-6	16,000	100	100	10
SV-7	16,000	100	100	10
SV-8	16,000	100	100	10
SV-9	16,000	100	100	10
SV-10	16,000	100	100	10
SV-11	16,000	100	100	10
SV-12	16,000	100	100	10
SV-13	16,000	100	100	10
SV-14	16,000	100	100	10
SV-15	16,000	100	100	10
SV-16	16,000	100	100	10
SV-17	16,000	100	100	10
SV-18	16,000	100	100	10
SV-19	16,000	100	100	10
SV-20	16,000	100	100	10
SV-21	16,000	100	100	10
SV-22	16,000	100	100	10
SV-23	16,000	100	100	10
SV-24	16,000	100	100	10
SV-25	16,000	100	100	10
SV-26	16,000	100	100	10
SV-27	16,000	100	100	10
SV-28	16,000	100	100	10
SV-29	16,000	100	100	10
SV-30	16,000	100	100	10
SV-31	16,000	100	100	10
SV-32	16,000	100	100	10
SV-33	16,000	100	100	10
SV-34	16,000	100	100	10
SV-35	16,000	100	100	10
SV-36	16,000	100	100	10
SV-37	16,000	100	100	10
SV-38	16,000	100	100	10
SV-39	16,000	100	100	10
SV-40	16,000	100	100	10
SV-41	16,000	100	100	10
SV-42	16,000	100	100	10
SV-43	16,000	100	100	10
SV-44	16,000	100	100	10
SV-45	16,000	100	100	10
SV-46	16,000	100	100	10
SV-47	16,000	100	100	10
SV-48	16,000	100	100	10
SV-49	16,000	100	100	10
SV-50	16,000	100	100	10
SV-51	16,000	100	100	10
SV-52	16,000	100	100	10
SV-53	16,000	100	100	10
SV-54	16,000	100	100	10
SV-55	16,000	100	100	10
SV-56	16,000	100	100	10
SV-57	16,000	100	100	10
SV-58	16,000	100	100	10
SV-59	16,000	100	100	10
SV-60	16,000	100	100	10
SV-61	16,000	100	100	10
SV-62	16,000	100	100	10
SV-63	16,000	100	100	10
SV-64	16,000	100	100	10
SV-65	16,000	100	100	10
SV-66	16,000	100	100	10
SV-67	16,000	100	100	10
SV-68	16,000	100	100	10
SV-69	16,000	100	100	10
SV-70	16,000	100	100	10
SV-71	16,000	100	100	10
SV-72	16,000	100		

All standard units are for 20 lb. discharge pressure. Also furnished in Duplex Units.

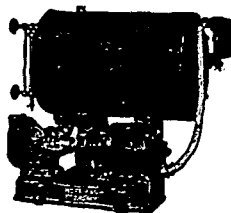
When returns are below pump inlet an auxiliary accumulator tank will permit operation on float control only. All units completely assembled and wired ready for installation.



HOFFMAN-ECONOMY HORIZONTAL CONDENSATION PUMPS

Horizontal Condensation Pumps are made in Styles "A"—0 to 20 lb. pressure—"B"—"C" and "D" for 35 to 100 lb. pressure. All units have bronze fitted, enclosed impellers. Styles A-B and C have vertically split case—Style D horizontal split case. Style A pumps have outboard ball bearing and self-lubricating, renewable bronze stand bearing. Style B and C have double outboard bearings, ring oiling at driving end and ball bearing at opposite end, both readily renewable. Style D has double outboard ring oiling bearings, both easily renewable.

Float switch mechanism is positive with bronze float arm supported by two liberal bearings. All units are completely assembled and wired, ready for installation.



Style "A"

Capacity Table—Condensation Pumps—60 Cycle and Direct Current

Pump and Style No.	Capacity Sq. Ft. Dr. C. I. Radiation	Disc. Pres. Lbs. Sq. In.	Pump Cap. G.p.m.	H. P.	Speed R.p.m.	Pump and Style No.	Capacity Sq. Ft. Dr. C. I. Radiation	Disc. Pres. Lbs. Sq. In.	Pump Cap. G.p.m.	Motor H. P.	Speed R.p.m.	Pump and Style No.	Capacity Sq. Ft. Dr. C. I. Radiation	Disc. Pres. Lbs. Sq. In.	Pump Cap. G.p.m.	Motor H. P.	Speed R.p.m.
10A	1,000	10	2	1/4	1,750	100A	10,000	10	20	1/4	1,750	200A	20,000	10	40	1/2	1,750
30A	3,000	10	5	1/2	1,750	101A	10,000	15	20	1/2	1,750	201A	20,000	15	40	1/2	1,750
31A	3,000	10	5	1/2	1,750	102A	10,000	20	20	1/2	1,750	202A	20,000	20	40	1/2	1,750
32A	3,000	20	5	1/2	1,750	103B	10,000	25	20	1/2	1,750	203B	20,000	25	40	1/2	1,750
						104B	10,000	30	20	1/2	1,750						
						105B	10,000	40	20	1/2	1,750	205B	20,000	40	40	2	1,750
60A	6,000	10	12	1/4	1,750	105C	10,000	40	20	1/2	3,500	205C	20,000	40	40	2	3,500
61A	6,000	15	12	1/2	1,750	106B	10,000	50	20	1/2	1,750	207B	20,000	60	40	3	1,750
62A	6,000	20	12	1/2	1,750	106C	10,000	50	20	1/2	3,500	207C	20,000	60	40	3	3,500
64B	6,000	30	12	1/2	1,750	107B	10,000	60	20	3	1,750	209C	20,000	100	40	5	3,500
65B	6,000	40	12	1/2	1,750	107C	10,000	60	20	3	3,500						
						109C	10,000	100	20	5	3,500	300A	30,000	10	53	1/2	1,750
												301A	30,000	15	53	1/2	1,750
65C	6,000	40	12	1/2	3,500	151A	15,000	15	30	1/2	1,750	302A	30,000	20	53	1/2	1,750
66B	6,000	50	12	2	1,750	152A	15,000	20	30	1/2	1,750	303A	30,000	25	53	1/2	1,750
66C	6,000	50	12	2	3,500	153B	15,000	25	30	1/2	1,750						
67B	6,000	60	12	3	1,750	155B	15,000	40	30	2	1,750	304A	30,000	30	53	2	1,750
67C	6,000	60	12	3	3,500	155C	15,000	40	30	2	3,500	307C	30,000	60	53	2	3,500
68C	6,000	75	12	3	3,500	157B	15,000	60	30	3	1,750	308C	30,000	75	53	7/10	1,750
69C	6,000	100	12	5	3,500	157C	15,000	60	30	3	3,500	309B	30,000	100	53	10	1,750
						159C	15,000	100	30	5	3,500						

*Complete Tables and Specifications for Pumps up to 70,000 sq. ft. capacity,
Given in Our 1930 General Catalogue*

HOFFMAN-ECONOMY VERTICAL UNDERGROUND COND. PUMP

Where return lines are located below the floor, or otherwise too low for Horizontal Condensation Pumps, the Vertical Underground Pump should be used. No concrete pit is required as receiver is of heavy cast iron suitable for underground use.

Ball bearing pump shaft is mounted in dust proof housing. Lower bearing is self lubricating and renewable without removing impeller from shaft or dismantling pump. Can be furnished in duplex unit or for high pressure by addition of horizontal booster pump. Float switch mechanism same as in Horizontal pumps.
Completely assembled and wired, ready for installation.

Capacity Table—Vertical Underground Condensation Pumps

Pump No.	Capacity Sq. Ft. Dir. C. I. Rad.	Pump Cap. G. P. M.	H. P. 10 lbs. Dis. Pr.	Recvr. Dim. Ins.	Pump No.	Capacity Sq. Ft. Dir. C. I. Rad.	Pump Cap. G. P. M.	H. P. 10 lbs. Dis. Pr.	Recvr. Dim. Ins.
U-30	3000	6	1/4	16 x 30	U-120	12,000	24	1/2	24 x 36
U-50	5000	10	1/2	16 x 30	U-200	20,000	40	1/2	24 x 36
U-80	8000	16	3/4	18 x 30	U-300	30,000	60	1	30 x 36



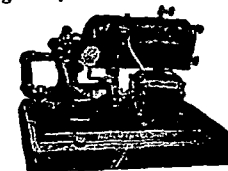
HOFFMAN-ECONOMY AIR LINE VACUUM PUMPS

Capacity Table—Air Line Pumps

Pump No.	Capacity Sq. Ft. Direct Radiation	Air Capacity Cu. Ft. per Min.	Motor H. P.
AL-1	4000	1 3/4	3/4
AL-2	8000	4	1
AL-3	12,000	6	1 1/2
AL-4	20,000	10	2
AL-5	30,000	15	3
AL-6	40,000	20	5
AL-7	60,000	30	5
AL-8	80,000	40	7 1/2
AL-9	150,000	70	10

Hoffman-Economy Air Line Pumps are used for rapid removal of air from gravity installations using No. 3 Hoffman or "Paul" type air line valves. Does not handle condensate nor act as boiler feed pump.

Made in single or duplex units with capacities from 4,000 to 150,000 sq. ft. radiation.

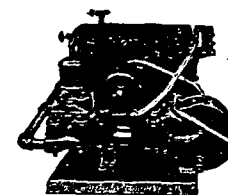


HOFFMAN-ECONOMY RECIPROCATING COND. PUMP

Hoffman-Economy Reciprocating Condensation Pumps are widely used in laundries, cleaning and dyeing establishments, etc., where steam pressures of 50 to 100 lb. are carried. These units are low in cost but are not as quiet as Centrifugal type, due to the slight pulsation at end of stroke and chain drive. Standard sizes range from 1,000 to 10,000 sq. ft. of radiation with discharge pressures of 50 and 100 lb. in each size.

Capacity Table—Reciprocating Pumps

Pump No.	Capacity Sq. Ft. Direct Radiation or Equiv.	Discharge Pressure Lbs. per Sq. In.	Pump Capacity Gals. per Min.	Motor H. P.	Receiver Capacity Gals.
R-11	1,000	50	2	1/2	9
R-12	1,000	100	2	1/2	9
R-31	3,000	50	5	1/2	13
R-32	3,000	100	5	3/4	13
R-61	6,000	50	10	1/2	20
R-62	6,000	100	10	1	20
R-101	10,000	50	16	1	26
R-102	10,000	100	16	2	26



HOFFMAN THERMADOR ELECTRIC HEATER

An abundance of clean electrically heated air at the touch of a switch, and concentration of the warmed air in the lower, or living zone of the room, are features that make the Thermador an outstanding achievement among electric heating devices.

By drawing up colder air from the floor level, warming it and then distributing it directly in the "living zone" a large percentage of the air is constantly recirculated, confining it to the zone of usefulness and eliminating waste due to overheating the upper, or unoccupied portion of the room.

Special Catalogue Furnished on Application