

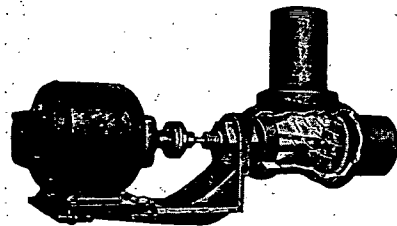
The Rochester Circulator Company

3092 Culver Road, P. O. Box 23

Rochester, N. Y.

The Rochester Circulator, for Hot Water Heating Plants, Domestic Hot Water Systems, Ice Water Circulation, or for circulating any liquid in a pipe system under a balanced head

Forced Circulation on every Hot Water Heating System represents the most modern method of obtaining efficient heating in all types of buildings. The equipment now made available to the Heating Engineer and Contractor, through the development of the Rochester Circulator, brings a remarkable improvement in existing heating plants, whether they be open systems or equipped with the latest pressure regulators.



With the Rochester Circulator installed practically full boiler temperature will be maintained through every part of every radiator and the boiler temperature will always be much lower than is possible without the Circulator. It is not necessary to maintain a big temperature differential between the flow and the return lines in order to secure circulation, while the effective average temperature at the radiator remains the same as before. This means much lower temperature of the escaping flue gas, and a corresponding economy in fuel consumption. Room temperatures are maintained practically constant, as the demand of the thermostat is met instantly in the radiator—there is no long time lag as invariably exists in a system depending on thermal circulation, pressure or otherwise.

Every radiator, regardless of its position relative to the boiler, is maintained at practically full boiler temperature from end to end, and from top to bottom, even though that radiator be served by flow and return pipes dipping below the boiler level, as in a separate building.

On new jobs the cost, including the Rochester Circulator, is less than without

it, for the engineer has complete freedom in running his pipes past obstacles, etc., his calculations are greatly simplified, and usually smaller boilers and less radiation will amply take care of the maximum demand, due to the increased operating efficiency of the system.

On a sluggish system the Rochester Circulator is almost indispensable.

The first cost of the Rochester Circulator is low; its installation is very simple and inexpensive and its operating cost is very small. In fuel saving it will quickly pay for itself and its installation. It never interferes in the slightest degree with natural circulation, as the full area of all the flow or return pipes is maintained throughout. There are no flappers or check valves to corrode and stick.

The Rochester Circulator is made for every different pipe size, from 1½ to 12 in. All the return lines, or in some cases, the flow lines, are brought through one tee of equivalent size, installed as an elbow, and the Rochester Circulator screwed into the extra run opening of that tee, exactly like a pipe plug.

Sizes and Capacities of Rochester Circulator

Size and No.	Size of Tee	Plug	Motor H. P.	Shipping Weight	Nominal Capacity Gallons per Hour
1½	1½x1½x1½	1½	1/20	24	450
2	2x1½x2	1½	1/20	25	750
2½	2½x1½x2½	1½	1/20	26	1,500
3	3x2x3	2	1/20	27	2,700
3½	3½x2x3½	2	1/20	28	5,120
4	4x3x4	3	1/10	45	8,250
4½	4½x3x4½	3	1/8	47	10,000
5	5x3x5	3	1/6	50	13,500
6	6x6x6, 6x3 Bush.	3	1/4	65	16,500
7	7x7x7, 7x3 Bush.	3	1/3	100	18,000
8	8x8x8, 8x3 Bush.	3	1/3	125	21,000
10	10x10x10, Flanged	3	¾	250	25,500
12	12x12x12, Flanged	3	1	300	36,000

NOTE.—6, 7 and 8 in. Circulators are shipped mounted in the corresponding Standard bushings; 10 and 12 in. Circulators are shipped mounted in Companion Flanges.

The nominal capacities, given in the table above represent one-half the pitch velocities of the standard marine propellers, and are much lower than the capacities obtained in actual average installations.

Write for full data and prices.

Skidmore Corporation

General Offices and Factory: 1535 Dayton Street, Chicago, U.S.A.

Sales and Service Offices

ATLANTA, GA.	DALLAS, TEXAS	KANSAS CITY, MO.	NEW YORK, N. Y.	ROCKFORD, ILL.
BALTIMORE, MD.	DENVER, COLO.	LITTLE ROCK, ARK.	OKLAHOMA CITY, OKLA.	SAN FRANCISCO, CALIF.
BOSTON, MASS.	DES MOINES, IOWA	LOS ANGELES, CALIF.	OMAHA, NEBR.	SEATTLE, WASH.
BUFFALO, N. Y.	DETROIT, MICH.	MEMPHIS, TENN.	PHILADELPHIA, PA.	SPOKANE, WASH.
CHARLOTTE, N. C.	GARNET, N. Y.	MILWAUKEE, WIS.	PITTSBURGH, PA.	ST. LOUIS, MO.
CHICAGO, ILL.	GRAND RAPIDS, MICH.	MINNEAPOLIS, MINN.	PORTLAND, ORE.	TAMPA, FLA.
CINCINNATI, OHIO	HOUSTON, TEXAS	NASHVILLE, TENN.	ROCHESTER, N. Y.	TOLEDO, OHIO
CLEVELAND, OHIO	INDIANAPOLIS, IND.	NEW ORLEANS, LA.		TULSA, OKLA.

Canadian Representatives and Manufacturers—DARLING BROS., LTD., MONTREAL, QUE.

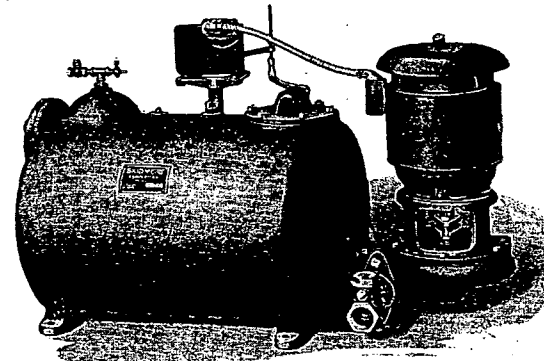


Illustration of Skidmore Condensation Pump

The Skidmore Condensation Pump

The same high-grade construction as in our Vacuum Pumps: bronze fitted throughout, cast iron tank, ball bearings. Due to novelty in design, pump has lower water-line control than many others which in many instances makes pitting unnecessary. Motor and float mounted high above danger of being submerged. Centrifugal pump is accessible without disturbing piping. Send for Bulletin No. 7

Size	Capacity Sq. Ft.	H. P. Motor 10 Lb. 20 Lb.	Gallons Between Float Stops	Gallons Per Minute Pumped	Inlet Disc.	Weight 10# 20#
C 21	2,000	¾	9	4	2" 1"	325
C 22	2,000	½	9	4	2" 1"	350
C 41	4,000	¾	9	6	2" 1"	325
C 42	4,000	½	9	6	2" 1"	350
C 61	6,000	¾	9	8	2" 1"	325
C 62	6,000	½	9	8	2" 1"	350
C 81	8,000	¾	9	11	2" 1"	325
C 82	8,000	½	9	11	2" 1"	350
C 101	10,000	¾	18	13	2½" 1½"	440
C 102	10,000	½	18	13	2½" 1½"	460
C 121	12,000	¾	18	16	2½" 1½"	470
C 122	12,000	½	18	16	2½" 1½"	470
C 161	16,000	¾	18	22	2½" 1½"	495
C 162	16,000	½	18	22	2½" 1½"	515
C 261	26,000	¾	25	35	3" 2"	525
C 262	26,000	½	25	35	3" 2"	550
C 401	40,000	¾	25	60	3" 2"	
C 402	40,000	½	25	60	3" 2"	

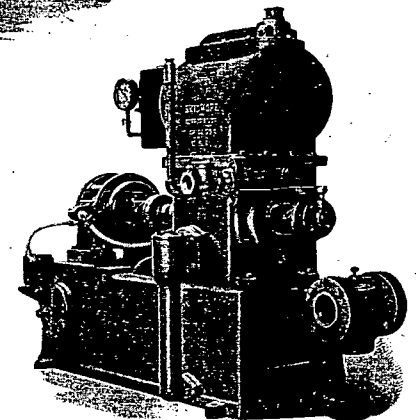


Illustration of a Skidmore Automatic Vacuum Pump

10-in. Vacuum, 10 and 20 lb. Pressure

Size of Pump	Capacity Sq. Ft. of Radiation	Gals. of Water per Min.	Motor H. P. 10 Lb.	Motor H. P. 20 Lb.	Size of Companion Flanges for Returns	Size of Discharge to Boiler
0	5,000	8	¾	1	1½"	1"
1	8,000	11	1	1½	2"	1½"
2	16,000	22	1½	2	2"	1½"
3	26,000	35	2	3	3"	2"
4	40,000	60	3	5	3"	2"
5	65,000	90	5	7½	5"	2"
6	100,000	150	7½	10	5"	2½"
7	150,000	200	10	15	5"	2½"

R. P. M. 1800 for all sizes. Data on pumps for higher discharge pressure furnished on request.