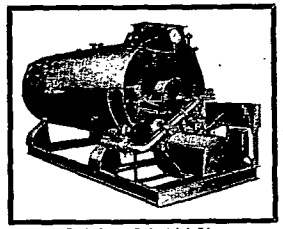
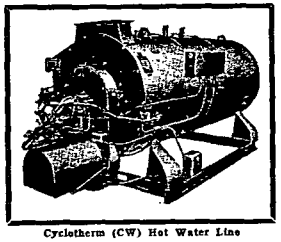
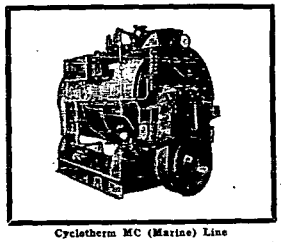
CYCLOTHERM®



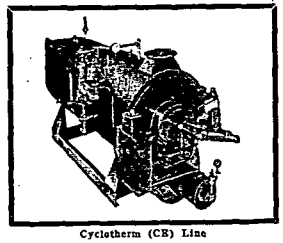
Cyclotherm Industrial Line



Cyclotherm (CW) Hot Water Line



Cyclotherm MC (Marine) Line



Cyclotherm (CE) Line

SPECIAL CONDITIONS

Specifications are descriptive and not a representation. Equipment described or the equivalent furnished for either steam or hot water. Cyclotherm Division of Crane Co., Oswego, N. Y., *reserves* the right to alter, without notice, dimensions, designs and components of Cyclotherm units.

Steam and Hot Water Generators

Exclusive manufacturer of packaged steam and hot water generators using the patented principle of "Cyclonic Combustion."

Guaranteed Minimum 80 Percent Efficiency. With Cyclonic Combustion, a patented Cyclotherm combustion *principle*, 65 *percent heat transfer* is reached in the combustion chamber alone and 15 percent more in one pass of return tubes. 80 percent efficiency—or better—in two passes.

Compact. By eliminating superfluous tubes and passes, Cyclotherm produces maximum steam in minimum dimensions. Up to one-third smaller than other package boilers.

Low Maintenance Costs. Cyclotherm parts are easy to get at, easy to clean. Simplified construction eliminates many man-hours of maintenance.

Shipped Complete. A complete package, Cyclotherm is ready to operate when shipped. One manufacturing *responsibility behind the entire job.*

Automatic Controls. On models up to 60 hp, burner automatically shuts off when steam demand is satisfied, automatically turns on when more steam is needed. On larger models, electronic controls modulate firing rate so that equipment *may be operated* at from 30 percent to 100 percent of capacity without loss of efficiency.

No special foundation or excavation is needed. You can relocate your Cyclotherm if you change your plant layout.

No Costly Stack. Cyclotherm requires only a simple flue.

Quick Changeover. Burning oil and/or gas, *Cyclotherm offers an easy and quick changeover.* You burn whichever fuel is more economical.

Full Power from a cold start is reached in 15 to 20 minutes.

Conforms to Codes. Cyclotherm conforms to ASME codes and carries Underwriters' Laboratories label.

World-wide *Service Facilities.* *Cyclotherm Sales Engineers are ready to serve you wherever* you are located.

One Year Warranty. If there is any defect in materials or workmanship within one year of the date of adjustment, Cyclotherm will repair or replace the defective part without any cost to you.

CYCLOTHERM STEAM GENERATORS

Model No.	Output Btu Per hr	Steam Per hr Lbs	Equivalent Radiation Sq Ft	Overall Dimensions Height	Width Light Oil	Width Heavy Oil	Length
C-500	502,500	518	2090	3'5¼"	3'2¾"		5'9"
C-700	670,000	698	2792	4'1¼"	3'9"		5'10"
C-1000	1,005,000	1035	4188	4'1¾"	3'9"		7'3"
C-1400	1,340,000	1380	5583	4'6"	4'0"		8'8"
C-1725	1,675,000	1725	6980	5'3¾"	4'3"		9'4"
C-2100	2,010,000	2070	8375	5'3¾"	4'3"		10'6"
C-2800	2,680,000	2760	11167	5'6¾"	4'8"	5'2"	12'2"
C-3500	3,350,000	3450	13959	6'1¾"	5'5"	6'1"	13'8"
C-4400	4,187,500	4315	17448	6'3¼"	5'10"	6'10"	14'5¾"
C-5200	5,025,000	5175	20938	7'1¾"	6'6"	7'6"	16'3¾"
C-7000	6,700,000	6900	27917	7'8¾"	7'1"	8'1"	18'8½"
C-8700	8,375,000	8625	34896	8'0½"	7'6"	8'6"	18'10"
C-10500	10,050,000	10350	41875	8'0½"	7'6"	8'6"	18'10"
C-12000	11,725,000	12075	48854	8'0½"	7'6"	8'6"	20'9"
C-13800	13,400,000	13800	55833	8'10"	7'6"	8'6"	20'6"
C-17500	16,750,000	17250	69792	9'4¼"	8'0"	8'10"	21'1"
C-21000	20,100,000	20700	83750	9'4½"	8'0"	8'10"	23'1"
C-26000	25,125,000	25875	104688	10'7¼"	9'9"	10'7"	28'0"

STANDARD BURNER ARRANGEMENTS

Package Steam Generators

Fuel	Cyclotherm Models
Light Oil Nos. 1, 2, 3, or Diesel 28-44 API Gravity	C-500 through C-26,000
Heavy Oil Nos. 4, 5, 6, 14-26 API Gravity	C-2,800 through C-26,000
Gas, mfg., mixed and natural	C-500 through C-26,000
Comb., light oil or gas	C-500 through C-26,000
Comb., heavy oil or gas	C-2,800 through C-26,000

Package Hot Water Generators

Fuel	Cyclotherm Models
Light Oil, Nos. 1, 2, 3, or Diesel 28-44 API Gravity	CW-7 through CW-70
Heavy Oil Nos 4, 5, 6, 14-26 API Gravity	CW-28 through CW-70
Gas, mfg., mixed and natural	CW-7 through CW-70
Comb., light oil or gas	CW-7 through CW-70
Comb., heavy oil or gas	CW-28 through CW-70

CYCLOTHERM HOT WATER GENERATORS

Model No.	Output Btu per Hr	Overall Dimensions Height	Width Light Oil	Width Heavy Oil	Length
CW-7	670,000	48¾"	37"		81"
CW-10	1,005,000	53½"	38"		85"
CW-14	1,340,000	58¾"	43"		89"
CW-17	1,675,000	58½"	43"		102"
CW-21	2,010,000	58½"	43"		115"
CW-28	2,680,000	70½"	52"	58"	134⅝"
CW-35	3,350,000	70½"	52"	60"	158"
CW-44	4,187,500	80¾"	67"	79"	154¾"
CW-52	5,025,000	82¾"	67"	79"	177"
CW-70	6,700,000	87½"	72"	84"	187½"

CRANE®

Plumbing • Heating • Air Conditioning Group

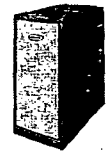
P. O. BOX 780, JOHNSTOWN, PA.

The Crane Sunnyday Boilers described on this page are a selection from the complete hydronic line of superbly engineered Crane heating equipment. Your wholesaler or your nearest Crane representative stands ready to give you helpful information on Sunnyday heating systems for any type of installation—from small residential to the largest industrial or commercial building—for new or replacement work.



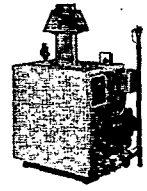
SUNNYDAY 3 Gas Fired—Water Only

A new, ultra-compact cast iron boiler *designed* for low-cost residential installation. Completely packaged for fast, economical installation. Three sizes, with A.G.A.—Approved outputs for 60,000, 80,000 or 100,000 Btuh.



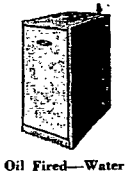
SUNNYDAY 5 Gas or Oil Fired—Steam or Water

For steam or water with or without tankless heater, and available for either oil or gas in capacities ranging from: Oil Fired—70,500 *to* 219,100 *Btuh net* I-B-R *rating.* Gas Fired—112,000 to 238,000 AGA input Btuh.



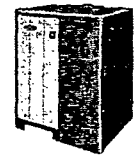
SUNNYDAY 8 Gas Fired—Steam or Water

A completely new factory assembled unit ideally suited for either forced or gravity hot water or steam, new or replacement.



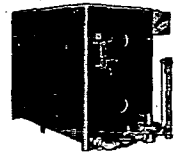
SUNNYDAY 15 Oil Fired—Water Only

Completely automatic thermostatic controls for maximum fuel savings. Oil Fired, for water only, in 4 sizes; 66,800; 96,800; 126,000; and 156,000 Btuh Net I-B-R Rating. 9 horizontal fire tubes for maximum heat extraction, provision for internal tankless heater.



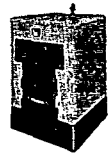
SUNNYDAY 36 Gas Fired—Steam or Water

12 Sizes from 145,000 to 942,500 AGA input Btuh. Features rugged cast *iron* sections with integral raised radial ribs for greater heating surface exposure to hottest flue gases with or without built-in domestic water heaters.



SUNNYDAY 66 Gas Fired—Steam or Water

A completely automatic "king size" boiler for today's "king size" hydronic heating systems. For both steam and water in 20 sizes ranging from 750,000 to 5,500,000 AGA input Btuh. *Available for all gases including dual fuel.*



SUNNYDAY ALL FUELS Steam or Water

Adaptable to any fuel, *convertible to any firing method, for steam* or water in 23 different sizes from 84,700 to 1,537,300 Btuh Net I-B-R rating. Corrosion resistant cast iron sections with provision for built-in domestic water heater.

Sunnyday boilers