THE PHILIP CAREY MFG. COMPANY/CINCINNATI, OHIO 45215

Careytemp

PIPE and BLOCK INSULATION... up to 1600° F.

Careytemp is an all-purpose industrial insulation composed of expanded silica reinforced with inorganic fibres and offering all the properties you need for high efficiency. Lighter than other industrial insulations, yet exceptionally strong, Careytemp offers high moisture resistance, low shrinkage, low thermal conductivity and high acid and corrosion resistance. Sizes include blocks up to 24" wide, pipe insulation in half sections through 24" pipe size; precast elbows ½" through 18" pipe size and traced pipe insulation 3" through 12" pipe size.

Careytemp "2000"

BLOCK INSULATION... up to 2000° F.

A strong, high density, diatomaceous earth insulation for furnaces, ovens, kilns, boilers, etc. This is a diatomaceous earth base material with an ideal combination of properties. Low K factor low shrinkage, high resistance to abrasion and high compressive strength make Careytemp "2000" a logical specification for the most demanding high temperature applications. Flat blocks are available in many sizes and thicknesses from 1" through 6" in ½" increments.

DUAL Careytemp

PIPE INSULATION... 35° to 350° F.

A dependable insulation for piping systems carrying hot, cold or alternating hot and cold liquids through a temperature range of 35° to 350° F. Extremely low moisture absorption, high flame resistance and high rigidity make Dual Careytemp an ideal insulation for any dual temperature job. It comes in molded half sections—with a factory applied, fire-resistant vapor barrier jacket — in thicknesses of 1" through 3" and in a variety of sizes to meet specific job requirements.

Carey

THERMOGLAS PIPE COVERING

Thermoglas pipe covering is used for pipe temperatures up to 350° F. It simply snaps in place. It is recommended for hot water and low-temperature steam piping in industrial plants, commercial buildings and institutions. It can also be used as an outside layer over a high-temperature insulation. Tough, semi-rigid and resilient, Thermoglas is an exceptionally light insulation composed of long, blown glass fibres bonded with phenolic resin. It comes in one-piece sections made in 3 ft. lengths. Canvas and felt jackets are available.

PLUS a complete line of accessory products and low pressure insulations including Thermoglas Roll Form and Board, Industrial Mineral Wool Blankets, 7CF Mineral Wool Board (700° F.), Flexible Tubing, Mineral Wool Insulating (MW-50) and one coat finishing (MW-One) cements and numerous weatherproofing compounds and jacketing materials. Also a complete range of asbestos insulating, finishing cements and many other products.

For new Careytemp Catalog, Form No. 6627, or complete line catalog, Form No. 6551, ask your Philip Carey representative or write Dept. AS-65, The Philip Carey Mfg. Company, Cincinnati, Ohio 45215.

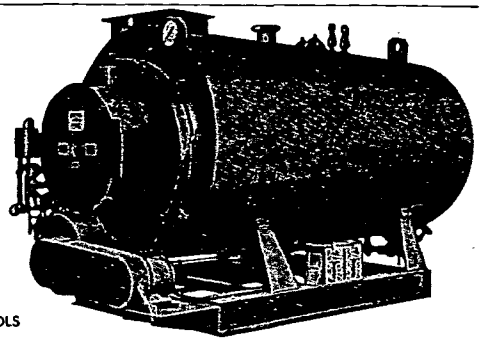
Boiler Engineering & Supply Co., Inc.

Continental Boiler Division • 5 Manavon St., Phoenixville, Pa.

A HALF CENTURY OF BOILER MANUFACTURING EXPERIENCE

Continental

Automatic Boilers



15 to 700 HP FOR PROCESSING AND HEATING

STEAM . . . 15 to 250 PSIG

HOT WATER . . . LOW, MEDIUM OR HIGH TEMPERATURE

OIL, GAS OR COMBINATION FIRING WITH ON-OFF, LO-HI-LO, OR MODULATING CONTROLS

HP Rating	Output			
	Lb/Hr Steam	Btu/Hr (1000)	EDR Steam	EDR Water
15	518	503	2094	3350
20	690	670	2790	4465
25	863	837	3490	5585
30	1035	1005	4185	6695
40	1380	1340	5580	8930
50	1725	1675	6975	11165
60	2070	2010	8370	13395
70	2415	2345	9765	15625
80	2760	2680	11160	17860
100	3450	3350	13955	22330
125	4313	4185	17445	27915
150	5175	5025	20935	33500
175	6040	5862	24425	39080
200	6900	6695	27915	44665
250	8625	8370	34895	55830
300	10350	10045	41875	67000
350	12075	11720	48825	78138
400	13800	13390	55830	89330
500	17250	16740	69790	111665
600	20700	20085	83750	134000
700	24150	23435	97635	156215

SPACE-SAVING COMPACTNESS—Simplified 2-Pass design provides optimum boiler capacities in minimum overall dimensions.

FUEL-SAVING EFFICIENCY—All Continental Boilers have a guaranteed minimum efficiency of 80% with any oil or the equivalent with gas fuel.

"SPINNING GAS" TECHNIQUE—Exclusive Continental combustion principle provides high rate of heat transfer through large diameter water cooled furnace, and completes combustion in approximately ⅓ of furnace length.

BALANCED INTERNAL CIRCULATION—High efficiency and long service life are assured by equal spacing of return tubes concentrically around the centrally-located furnace. Adequate "Downcomer" space along the shell and flow path around the furnace permits free and rapid water movement and unrestricted steam release.

NO COSTLY BAFFLES—Continental 2-Pass design eliminates the need for troublesome interlocking refractory shapes, brickwork and seals at boiler front or rear.

TIME-SAVING ACCESSIBILITY—Hinged front door, burner cover, burner head and davited rear door minimize "down" time for inspection and maintenance. Front or rear tube removal is possible. Adequate handholes and manhole facilitate care of waterside surface.

QUIET FORCED DRAFT—Pressurized furnace assures proper placement of combustion air with supply completely controlled at all times. Forced draft eliminates need for costly stack.

RELIABLE AUTOMATIC OPERATION—All Continental units have the finest industrially-rugged electronic programming, flame monitoring and safety controls that meet Underwriters Laboratories requirements. Conformance with Factory Mutual, Factory Insurance Association, State and local codes arranged where applicable.

QUALITY STEAM—A specially designed built-in steam separator assures high purity dry steam.

EFFICIENT BURNERS—Mechanical pressure-atomizing oil burner and nozzle-mix gas burner combine high combustion, maximum flexibility and very low maintenance. They have no moving parts.

TUBE END PROTECTION—Where hot combustion gases enter the return tubes, the exclusive Continental gas flow impeller has a sleeve which protects the tube entrance from overheating and corrosion. Integral impeller vanes direct gases into high velocity spinning flow through entire length of return tube, giving high rate of heat transfer and resulting low stack temperature in one return pass.

LOW STACK TEMPERATURE—Flue gases leaving Continental Boilers are guaranteed not to exceed 125°F above boiler water temperatures. This is proof of the high combustion efficiency of the Continental 2-Pass design.

THERMAL SHOCK GUARANTEE—Advanced design—two pass boiler construction eliminates thermal stress in tube sheets—eliminates "thermal shock" (cracking of tube entrance and ligaments). Continental provides a three-year warranty against "thermal shock." We recommend that such warranty be specified for hot water boilers for low, medium and high temperature heating systems.

SINGLE SOURCE RESPONSIBILITY—All Continental Boilers are designed and built into completely factory-assembled package units at the Boiler Engineering & Supply Co. plant. After rigid testing they are delivered ready for efficient operation.

WORLD-WIDE SERVICE—Experienced boiler service men and competent technicians are available through authorized Continental distributors throughout the United States and abroad. Ask for Bulletin BE 500.