

Get the reliability you need with process steam from Cleaver-Brooks world's leading builder of packaged boilers

Cleaver-Brooks builds economical, completely packaged boilers to answer virtually any requirement for process steam. All are compact in design, completely factory tested, ready for easy installation. Select from 190 models, 15 to 600 hp, oil, gas or combination firing—all offering these advantages:

GUARANTEED MINIMUM 80% FUEL-TO-STEAM EFFICIENCY operating from 30 to 100% of full rating at assigned pressures.

AUTOMATIC, SAFE OPERATION! Unique modular controls assure complete firing safety. Boiler is proved ready for safe, efficient performance before shipment.

FUEL FLEXIBILITY for heavy or light oil or gas. Combination oil/gas firing—with quick change-over—available with most models.

HIGH EFFICIENCY AND DEPENDABILITY—the result of these four CB design standards:

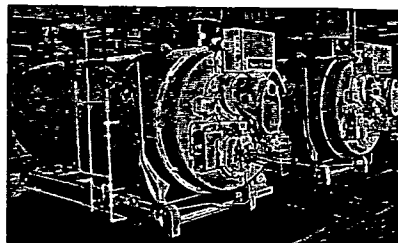
1. Four-pass construction—high gas velocity, longer gas travel assure excellent heat transfer and lower fuel costs.
2. Five square feet of heating surface per boiler hp—assuring years of uniformly high operating efficiency, low maintenance.
3. Forced draft air in proper quantity assures correct fuel-air ratios regardless of steam demand—eliminates the need for costly chimneys.

4. Updraft construction—placing hottest combustion gases deep within the boiler for maximum safety.

SIMPLE MAINTENANCE resulting from design features operating personnel want—like hinged or danted front and rear doors for faster inspection and cleaning.

NATIONWIDE STARTING SERVICE that safeguards your boiler investment. A CB technician starts the boiler, adjusts it for optimum efficiency and instructs your boiler operator.

Get full information from your Cleaver-Brooks representative, listed in the Yellow Pages under "Boilers—Manufacturers & Distributors."



RATINGS CHART FOR FIRETUBE BOILERS

	80	100	125	150	200	250	300	350	400	500	600
2,760	3,450	4,313	5,180	6,900	8,600	10,350	12,100	13,800	17,250	20,700	
11,160	13,950	17,450	20,920	27,900	34,900	41,850	48,820	55,800	69,150	83,700	
17,820	22,300	27,900	33,500	44,600	55,800	66,900	78,100	89,300	111,500	134,000	
24	30	38	45	60	75	90	105	120	150	180	
22	28	35	42	56	70	84	98	112	140	167	
33.6	42.0	52.5	63.0	84.0	105	126	147	168	210	252	

Horse Power	15	20	25	30	40	50	60	70
Lbs. of Steam per hr. (from and at 212° F.)	518	690	863	1,035	1,380	1,725	2,070	2,415
BTU output (1000 BTU/hr.)	502	670	837	1,005	1,339	1,674	2,010	2,345
EDR Steam Gross (Sq. ft.)	2,090	2,780	3,480	4,185	5,580	6,970	8,370	9,760
EDR Water Gross (Sq. ft.)	3,350	4,400	5,370	6,400	8,430	11,150	13,400	15,620
Fuel Consumption								
Light Oil (GPH)	4.5	6	7.5	9	12	15	18	21
Heavy Oil (GPH)								
Natural Gas, 1000 BTU	6.3	8.4	10.5	12.6	16.8	21.0	25.1	29.3

Cleaver-Brooks dependability is also available in watertube boilers (10,000 to 60,000 lbs. steam/hr) and high-temperature hot oil heaters (up to 700°F)—WRITE FOR LITERATURE!

Get the service you want from an authorized Cleaver-Brooks agent nearby outlets everywhere

ALABAMA George K. Moss Co. 3122 So. 7th Ave. Birmingham George K. Moss Co. 424A Dauphin Island Pkwy. Mobile ALASKA Cole Industrial, Inc. 717 Harrison, Seattle, Wash. ARIZONA J&B Sales 2211 W. Almeria Rd. Phoenix ARKANSAS Power Equipment Co. 3050 Broad Ave., Memphis, Tenn. Bagwell-Hambrick-Jones 1637 South Harvard, Tulsa, Okla. The Dykes Company 2000 Fairfield Ave. Shreveport, La. CALIFORNIA Hugh Dean & Co., Inc. 1107 W. Glenoaks Blvd., Glendale R. F. MacDonald Company 850 Malibu Rd., Burlingame COLORADO Industrial-Denver Co. 1655 11th St., Denver CONNECTICUT The Hart-Grant Company 60 Connolly Pkwy., New Haven The Wilson C. Blake Co. 190 Beacon St., Hartford DELAWARE Deval Equipment Corp. 913 Montgomery Ave. Narberth, Pa. (Philadelphia) Tate Engineering, Inc. 516 S. Eutaw St., Baltimore, Maryland DISTRICT OF COLUMBIA Tate Engineering, Inc. 516 S. 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Incorporated 2109 Avenue Q, Lubbock Ericksen Industrial Products Co. 6625 Denton Drive, Dallas Boyd Engineering Co. 1801 Magoffin Ave., El Paso Powell Equipment Co. 1511 Reville Rd., Houston The Dykes Company 2000 Fairfield Ave., Shreveport, La. L. S. Pawkett & Company 204 S. Mary St., St. Antonio UTAH J. Mel Brown Co. 2046 S. 11th E. Salt Lake City VERMONT J. W. Stevens Co. 1670 Central Ave., Albany, N.Y.	VIRGINIA Tate Engineering, Inc. 316 S. Eutaw St., Baltimore, Md. W. Wallace Neale Co. 2107 Westwood Ave., Richmond Boiler Supply Co., Inc. 1628 Island Home Ave. S.E., Knoxville, Tennessee Cole Industrial, Inc. 717 Harrison St., Seattle Cole Industrial, Inc. North 6 Lee, Spokane WEST VIRGINIA Chapman Sales Co., Inc. 4808 Venable S.E., Charleston J. U. Kaye & Company 940 Western Ave., N.W., Pittsburgh, Pa. WISCONSIN Dyke & Associates, Inc. 921 S.W. Capitol Dr., Milwaukee Heat Exchange Products Co. 409 W. Silver Spring Dr., Milwaukee, Wisconsin The Heinen Co. 624 W. 53 St., Minneapolis, Minn. WYOMING J. R. Bateman Co. 2046 S. 11th E. Salt Lake City, Utah Industrial-Denver Co. 1655-11th St., Denver, Colo.
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Cleaver Brooks

Originator and Largest Producer
of Packaged Boilers
Dept. ASHS, 3707 N. Richards St.
Milwaukee, Wisconsin 53212