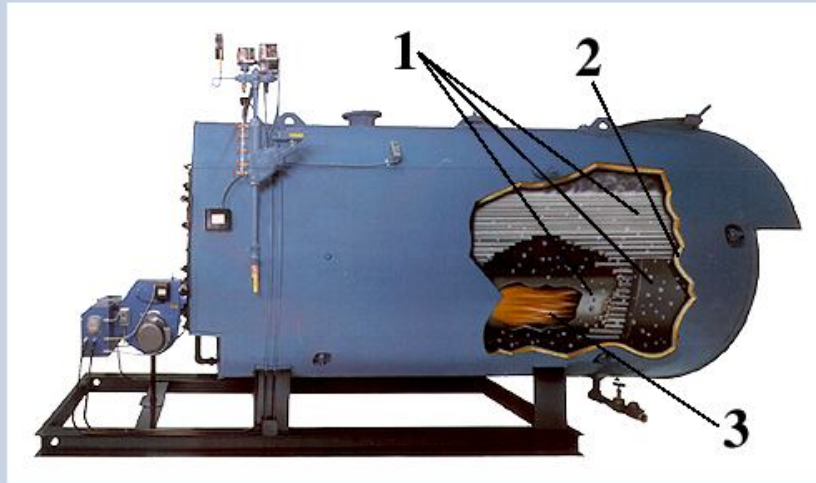
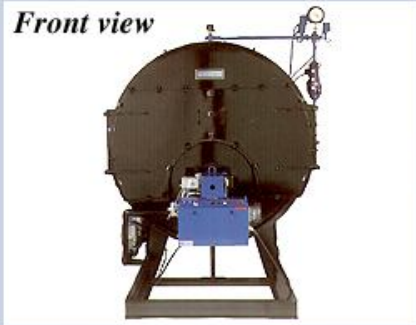


## Features



1. Three Gas Passes Extract Maximum Usable Heat From the Fuel While Maintaining Optimum Flow for Forced Draft Firing.
2. Fully Waterbacked Reversing Chamber Effectively Absorbs Radiant Heat Into the Water Keeping Tube Ends and Rear of Boiler Cooler Than Those of Hot-Running Drybacks
3. Large Fully Waterbacked Furnace Tube Assures Complete Combustion and Heat Absorption Without Flame Impingement

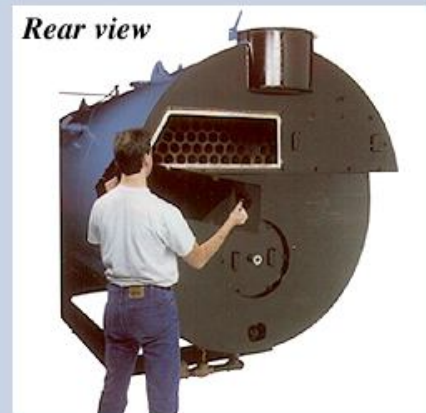
### *Front view*



Ready access to tubes through rugged front doors and rear covers makes routine cleaning easier and less costly than with drybacks. The burner does not have to be disturbed. There is no inner air baffle door to contend with. There are no delicate, expensive baffle tiles or door seals to replace.

After the doors have been opened on the Burnham Commercial wetback boiler, there are no specialized skills or expensive repair materials needed to re-close them as with drybacks. Simply tightening the closure bolts reseals the doors. Cleaning can be done inexpensively and the boiler put back on line quickly by your in-house personnel.

### *Rear view*



## SERIES 3 BOILER RATINGS AND DATA

Model number		40	50	60	70	80	90	100	125	150	175	200
Shell Diameter		48	48	48	54	54	54	54	66	66	66	66
Gross Output	BHP	40	50	60	70	80	90	100	125	150	175	200
	MBH	1,339	1,674	2,009	2,343	2,678	3,013	3,348	4,184	5,021	5,858	6,695
	LBS/HR	1,380	1,725	2,070	2,415	2,760	3,105	3,450	4,313	5,175	6,040	6,900
Net Rating - Steam	MBH	1,011	1,290	1,560	1,819	2,079	2,339	2,599	3,248	3,898	4,548	5,198
	SQ. FT.	4,211	5,376	6,499	7,580	8,663	9,747	10,830	13,535	16,243	18,950	21,658
Net Rating - Water	MBH	1,164	1,456	1,747	2,037	2,329	2,620	2,911	3,638	4,366	5,094	5,822
Heating Surface	SQ.FT.F.S.	200	250	300	350	400	450	500	625	750	875	1,000
	SQ.FT.W.S.	220	280	335	390	445	500	555	695	835	970	1,110
Firing Rate-Gas	MBH	1,674	2,093	2,500	2,930	3,348	3,766	4,185	5,230	6,276	7,333	8,369
Firing Rate-Oil	GPH (140 mbtu/Gal.:150 MBTU/Gal.)	12/11	15/14	18/17	21/20	24/23	27/25	30/28	38/35	45/42	52/49	60/56
Furnance Vol.	CU.FT	14.8	17.1	19.3	27.8	30.2	33.0	35.8	41.9	47.7	53.1	58.8
Water Content	LBS. Steam	1,760	2,303	2,765	3,285	3,672	4,060	4,523	5,585	6,660	7,758	8,829
	LBS. Water	2,185	2,701	3,235	4,160	4,641	5,143	5,711	6,673	7,947	9,245	10,519
Approx. Wt.-Dry,	(15-30 PSI)	3,700	4,200	4,700	5,500	5,900	6,400	6,900	8,700	9,700	10,900	12,300
	(150 PSI)	4,200	4,700	5,200	6,200	6,700	7,200	7,700	9,500	10,600	11,600	13,300

Model No. 3		250	300	350	400	500	600	700	800	900	1,000	
Shell Diameter		78	78	90	90	102	102	102	108	114	114	
Gross Output	BHP	250	300	350	400	500	600	700	800	900	1,000	
	MBH	8,369	10,043	11,716	13,390	16,738	30,085	23,433	26,780	30,128	33,476	
	LBS/HR	8,625	10,350	12,075	13,800	17,250	20,700	24,150	27,600	33,217	34,500	
Net Rating - Steam	MBH	6,498	7,797	9,096	10,396	12,995	15,594	18,193	20,792	23,500	25,990	
	SQ. FT.	27,074	32,489	37,901	43,317	54,147	64,957	75,805	86,633	97,615	108,294	
Net Rating - Water	MBH	7,277	8,733	10,188	11,643	14,555	17,465	20,377	23,287	N/A	N/A	
Heating Surface	SQ.FT.F.S.	1,250	1,500	1,750	2,000	2,500	3,000	3,500	4,000	4,500	5,000	
	SQ.FT.W.S.	1,360	1,630	1,900	2,175	2,715	3,260	3,805	4,349	4,905	5,430	
Firing Rate-Gas	MBH	10,461	12,500	14,645	16,738	20,923	25,106	29,319	33,475	37,660	41,846	
Firing Rate-Oil	GPH (140 mbtu/Gal.:150 MBTU/Gal.)	75/70	90/84	105/98	120/112	150/140	180/168	210/196	240/224	269/252	300/280	
Furnance Vol.	CU.FT	86.6	99.1	113.5	124.7	152.0	174.3	195.8	302.3	278.0	309.0	
Water Content	LBS. Steam	11,174	12,315	15,392	16,765	18,515	22,128	25,767	33,945	40,893	45,437	
	LBS. Water	13,983	16,649	19,340	22,125	23,788	28,381	33,005	43,762	N/A	N/A	
Approx. Wt.-Dry,	(15-30 PSI)	15,400	18,100	21,000	23,200	27,400	31,500	35,700	43,900	47,800	51,600	
	(150 PSI)	18,600	21,400	23,700	26,100	30,600	35,500	39,700	52,900	56,600	102,200	