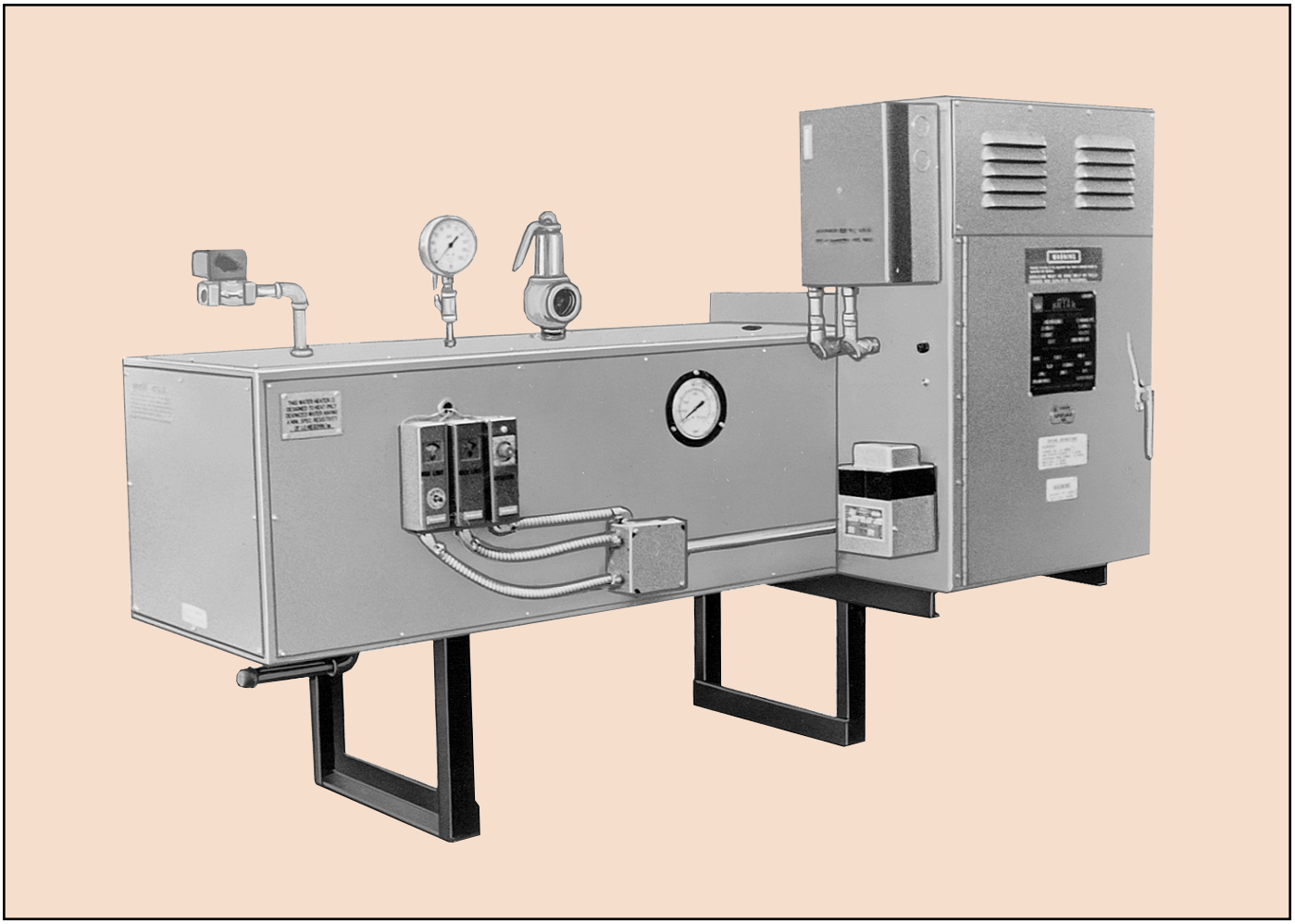
Form No. 6200-6
(8/89)

Bryan BE-Series Electric Deionized Hot Water Supply Boilers

Inputs from 15 to 195 kW



Stainless steel construction preserves purity of deionized water for critical applications

These electric boilers are specifically designed to heat while preserving the integrity of purified water for critical applications. They provide a steady supply of hot water for manufacturing computer products, pharmaceuticals, chemical and for clinical, biotechnological, and research laboratories and for chemical processes of various kinds.

Bryan electric deionized water supply boilers are constructed with all wetted surfaces of high grade stainless steel to insure the ion free purity of the hot ater supply.

They are space-saving compact units with fully automatic controls. Thirteen models range in input capacity from 15kW to 195kW. These are delivered to your site prewired, preassembled and thoroughly factory-tested.

Standard equipment

125 psi design pressure (higher pressure available), ASME vessel, stainless steel sheathed elements, 2" fiberglass insulation, heavy gauge steel jacket, modulating step controller (over 60 kW), recycle relay, individual circuit fusing, pressure connector-type power lugs, ASME safety relief valve, on-off control circuit switch, high limit automatic reset, 120 volt control transformer, magnetic contactors with 120 volt coil, key-operated lock in handle of electical enclosure, pressure and temperature gauges, operating temperature control, flow switch and high limit temperature control.

Optional equipment

First on-first off progressive sequencer, alarm bell, alarm silencing switch, low water cutoff—probe type, isolation relay for indicating and alarm circuits, manual reset high limit control, National Board inspection, pilot lights, power panel door electric interlock, preheat switch, time clock—7 day, time clock—24 hr, voltmeter, 200,000 amp interrupting capacity fuses.

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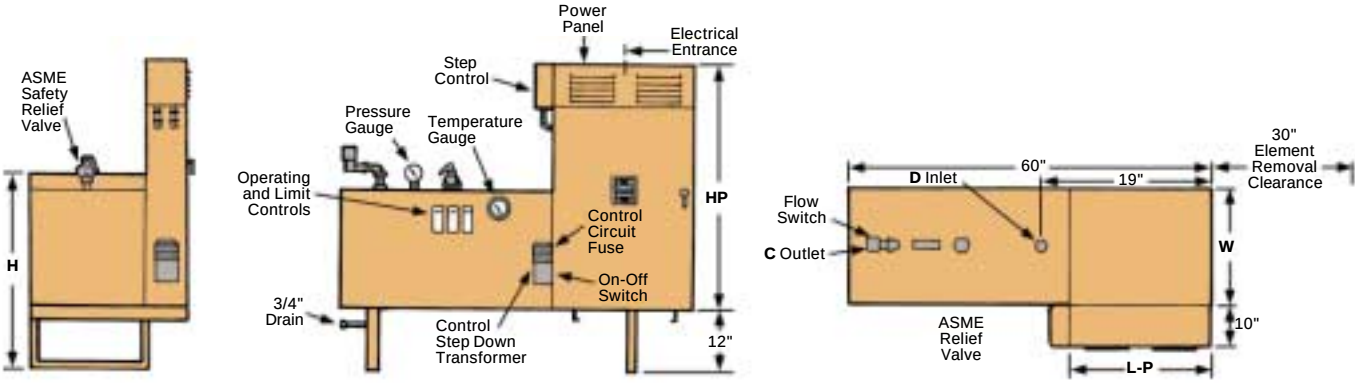

LEFT END VIEW FRONT VIEW TOP VIEW

Specifications

Input kW	BTU/hr	No. of Steps	Approx. Ship Wt. (lb)	Vessel Diameter	L	H	W	C	D	480/3/60		240/3/60		240/1/60	
										L-P	H-P	L-P	H-P	L-P	H-P
15	49,140	1	605	6	60	28	15	1	1	20	24	20	24	20	24
30	92,280	1	630	6	60	28	15	1	1	20	24	20	24	20	30
45	147,420	2	700	8	60	30.5	17.5	1	1	20	24	24	30	30	36
60	196,560	2	725	8	60	30.5	17.5	1	1	20	24	30	36	30	36
75	245,700	3	750	8	60	30.5	17.5	1	1	20	30	30	36	30	48
90	294,840	3	840	10	60	33	20	1	1	20	30	30	36	30	66
105	343,980	4	865	10	60	33	20	1	1	30	36	30	48	630	66
120	393,120	4	895	10	60	33	20	1	1	30	36	30	48	30	66
135	442,260	5	975	12	60	36	23	1.5	1.5	30	36	30	66	N/A	N.A
150	491,400	5	1000	12	60	36	23	1.5	1.5	30	36	30	66	N/A	N/A
165	540,540	6	1025	12	60	36	23	1.5	1.5	30	36	30	66	N/A	N/A
180	589,680	6	1050	12	60	36	23	1.5	1.5	30	36	30	66	N/A	N/A
195	638,820	7	1075	12	60	36	23	1.5	1.5	30	48	30	66	N/A	N/A

Recovery, gallons per hr based on 40°F inlet water temperature

Temp. Rise of	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190
kW																
15	147	118	98	84	74	65	59	54	49	45	42	39	37	35	33	31
30	295	236	196	168	147	131	118	107	98	91	84	79	74	69	65	62
45	441	354	294	253	221	196	177	161	147	136	126	118	110	104	98	93
60	589	471	393	337	295	262	236	214	196	181	168	157	147	139	131	124
75	797	589	491	421	368	327	295	268	246	227	210	196	184	173	164	155
90	884	707	589	505	442	393	354	321	295	272	252	236	221	208	196	186
105	1031	825	687	589	516	458	412	375	344	317	295	275	258	243	229	217
120	1178	943	786	673	589	524	471	429	393	363	337	314	295	277	262	248
135	1326	1060	884	758	663	589	530	482	442	408	379	354	331	312	295	279
150	1473	1178	982	842	737	655	589	536	491	453	421	393	368	347	327	310
165	1620	1296	1080	926	810	720	648	589	540	499	463	432	405	381	360	341
180	1786	1414	1178	1010	884	786	707	643	589	544	505	471	442	416	393	372
195	1915	1532	1277	1094	957	851	766	696	638	589	547	510	479	451	426	403

Model Designation
BE (kW input W (Voltage) T (number of steps) DIW
Voltage: 4-480/3/60 (V/Ph/Hz) 2=240/3/60 9=240/1/60

Example: 90kW on 480 volts + BE90W4T3DIW

Dimensions and specifications are subject to change without notice.
Consult factory for certified dimensions.

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