



# MODEL BMK-2.0 GWB

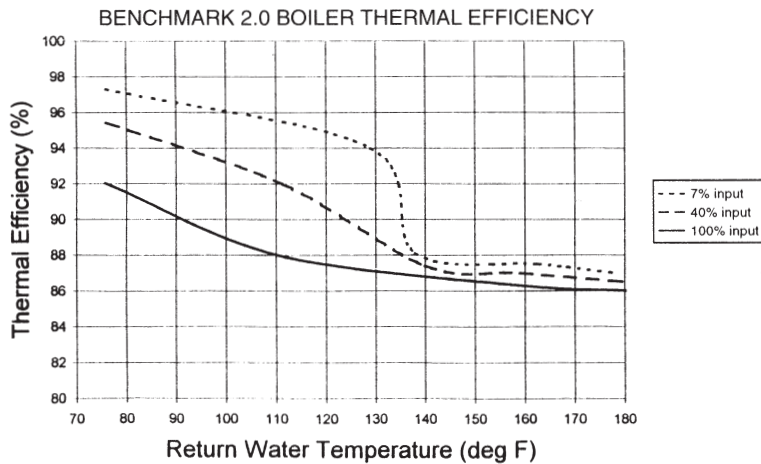
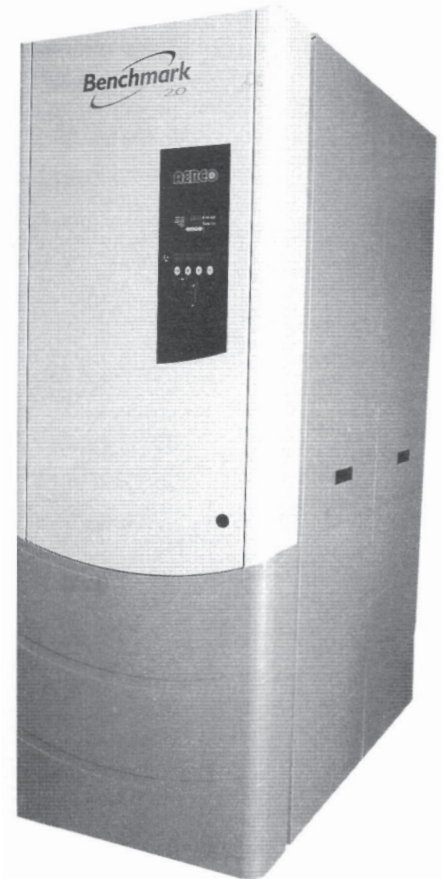
## TECHNICAL DATA

### AERCO Benchmark (BMK) Gas Fired Hot Water Boiler System

The AERCO Benchmark Water Boiler is a true industry advance that meets the needs of today's energy and environmental concerns. Designed for application in any closed loop hydronic system, it relates energy input directly to fluctuating system load, yielding **seasonal efficiencies as high as 95%**. Its efficiency actually increases as the load decreases due to its unique inverse efficiency curve. The boiler can be used singly or in **modular arrangements for inherent standby with minimum space requirements**. Venting flexibility permits installation without normal restrictions.

The advanced electronics of each boiler module offer selectable modes of operation for temperature control. (see reverse side)

Regardless of the mode of operation, the load tracking capability of every unit delivers the ultimate in energy control through energy input modulation with a 20:1 ratio while meeting all load demands.



#### BMK 2.0 FEATURES

- Natural Gas
- 20:1 Turndown Ratio
- Direct Vent or Conventional Capabilities
- Vent Material Required per UL 1738 (AL29-4C)
- ASME 150 PSIG Working Pressure Certified
- UL, CUL
- (Optional) Dual Fuel – Natural Gas with Propane Back-up
- Quiet Operation throughout Firing Range
- Internal Low Water Cutoff (Manual Reset)
- Compact footprint (H 79", W 28", D 55")
- Precise Temperature Control +/- 2F
- Sealed Combustion
- UL, CUL, for Alcove Installation on Combustible Flooring

#### BMK 2.0 Specifications

BTU Input .....	2,000,000 BTU/Hr †
Net Output @ full input .....	1,720,000–1,840,000 BTU/H *
ASME Working Pressure .....	150 PSIG
Electrical Options .....	220/1/60 20 Amp (10 amp FLA) 208-230/3/60, 460/3/60 15 Amp (6 Amp FLA)
Gas Requirements .....	7.5 W.C. Minimum @ Full Load 14" W.C. Maximum
Vent Size .....	8" Diameter
Water Connections .....	4" Flanged 150 lb. ANSI

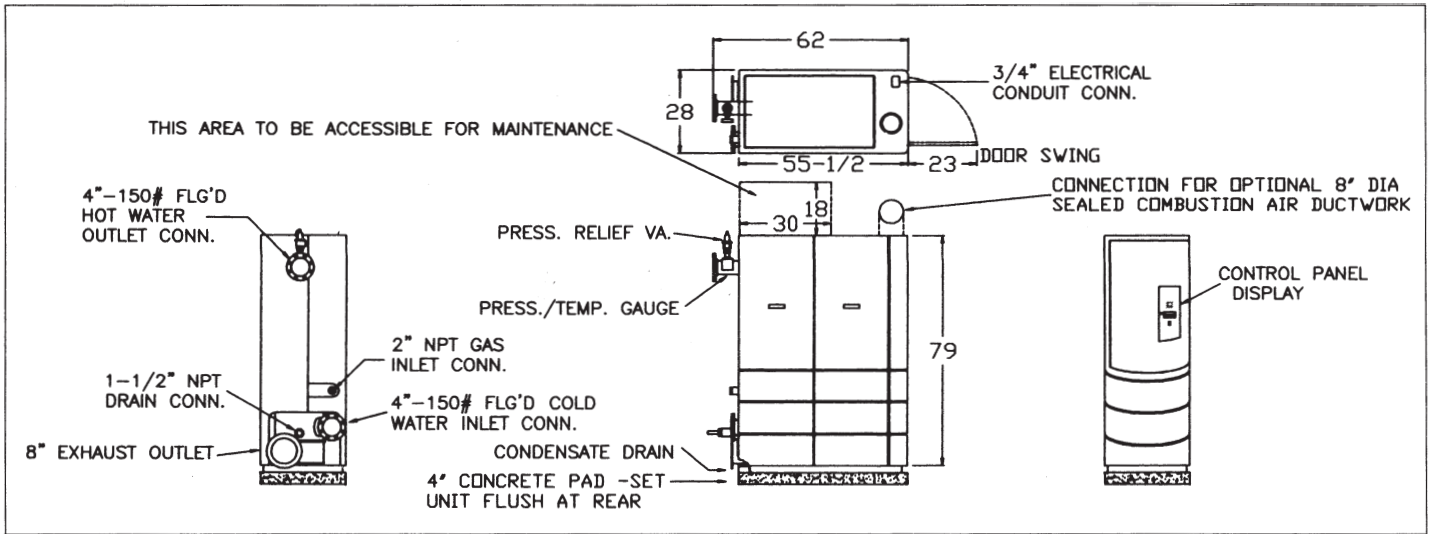
Gas Connection .....	2" NPT
Minimum Water Flow .....	25 GPM
Maximum Water Flow .....	350 GPM
Water Pressure Drop .....	1.7 psig @ 170 GPM
Water Volume .....	27 Gallons
Control Range .....	50F to 200F
Standard Listings & Approvals ..	UL, CUL, CSD-1, ASME
Optional Approval .....	(IRI) Factory Installed
Weight, Installed (WET) .....	1,785 lbs.

\*Output is dependent upon return water temp. and firing rate.

†Up to 2000' Altitude.



## Dimensions BMK-2.0 Boiler



## Ratings and Dimensions

Modules	Model (a)	Mbh Input (b)	Mbh Output (b) (c)	Width (1)	Depth	Height	Weight (wet)
One(1)	BM/2000	2000mbh	1720mbh-1840mbh	2'3"	4'5"	6'5"	1785#
Two(2)	BM/2000-2	4000mbh	3440mbh-3680mbh	6'7"	4'5"	6'5"	3570#
Three(3)	BM/2000-3	6000mbh	5160mbh-5520mbh	11'0"	4'5"	6'5"	5355#
Four(4)	BM/2000-4	8000mbh	6880mbh-7360mbh	15'3"	4'5"	6'5"	7140#
Five(5)	BM/2000-5	10,000mbh	8600mbh-9200mbh	19'7"	4'5"	6'5"	8925#
Six(6)	BM/2000-6	12,000mbh	10,320mbh-11,040mbh	24'0"	4'5"	6'5"	10710#
Seven(7)	BM/2000-7	14,000mbh	12,040mbh-12,880mbh	28'3"	4'5"	6'5"	12495#
Eight(8)	BM/2000-8	16,000mbh	13,760mbh-14,720mbh	32'7"	4'5"	6'5"	14280#

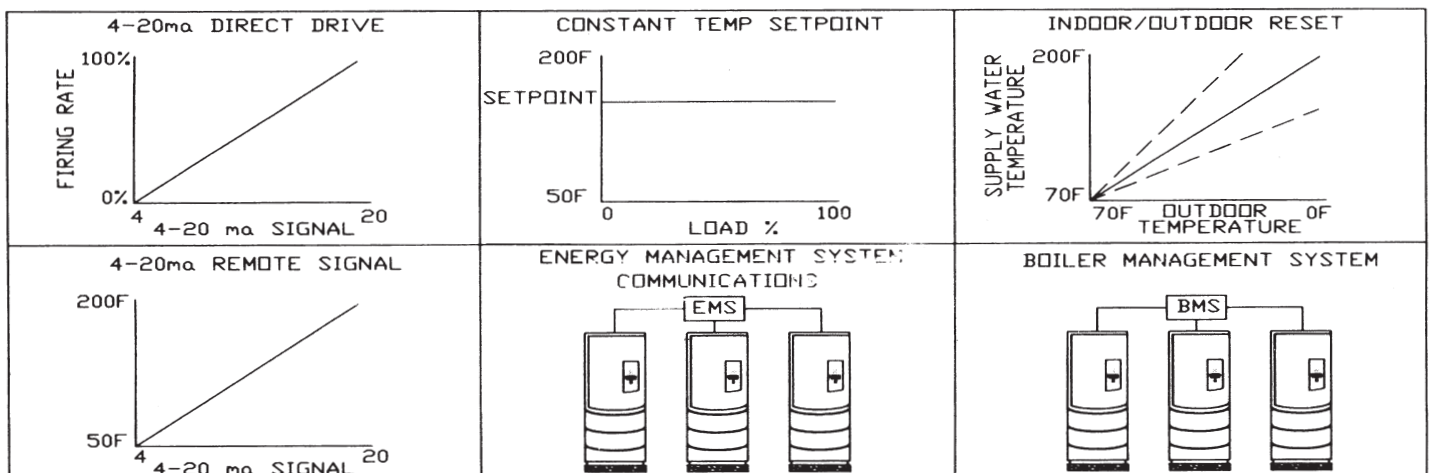
(1) assumes 24" between units. Zero side wall clearance is not provided. Consult local sales representative.

(a) Style to be determined by individual application requirement.

(b) Altitude below 2,000'. Apply Altitude Correction Factor above 2,000'.

(c) Output dependent upon application - see efficiency curves.

## Programmable Modes of Operation



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