



# AVR HIGH EFFICIENCY BOILERS

85 – 87% Efficiency  
Vertical Firetube Boiler  
30, 100 & 150 PSI Design Prs.  
Models: 600 - 2,000 MBH  
Gas • Oil • Gas/Oil  
Maximum Performance  
Minimum Maintenance  
Linkageless Modulation  
Up to 5:1 Turndown  
Heavy Duty Construction  
Extra Heavy Tubes  
Water Surrounded Furnace  
Category III Venting  
New Installations  
Retro-Fit Applications



## Application:

- Ideal Boiler to Increase System Efficiency
- Both New & Retro-Fit Applications
- May Reuse Existing Category III Venting Resulting In Huge Savings When Compared to Cost Of Category IV Venting.

## Design:

- ASME Code Section IV
- Thermal Shock Proof Firetube Design
- Engineered With Water Surrounded Furnace
- Extra Heavy Tubes for Extended Life
- Structural Channel Base For Ease Of Access & Rigging Into Place
- Optional Heat Exchanger (Tankless Coil) For Indirect Loads.



AVR Series Modular Heating Systems



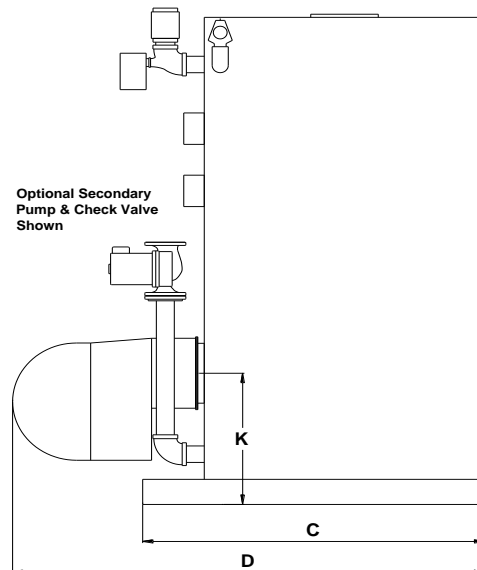
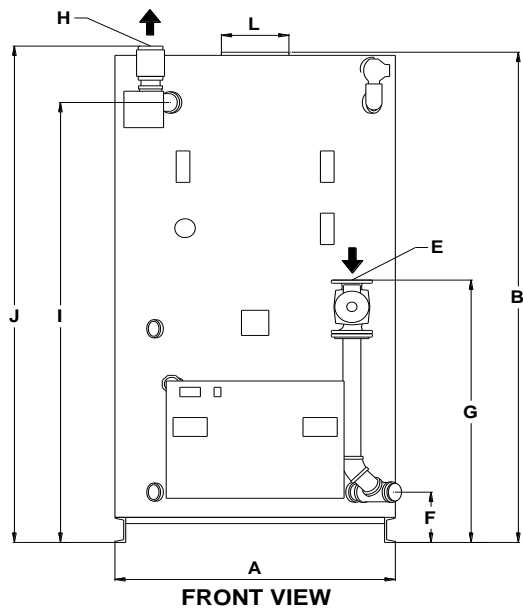
# AVR SERIES - BOILER RATINGS & DIMENSIONS

MODEL: AVR-	**600	700	800	**900	1000	**1200	1350	1500	**1600	1800	**2000
Gas Input (MBH)	600	700	800	900	1,000	1,200	1,350	1,500	1,600	1,800	2,000
Oil Input (GPH)	4.3	5.0	5.7	6.4	7.1	8.6	9.6	10.7	11.4	12.9	14.3
Output (MBH)	522	609	696	783	870	1,044	1,175	1,305	1,392	1,566	1,740
Output (Horsepower)	16	18	21	23	26	31	35	39	42	47	52
Htg Surf. FS (Sq Ft)	61	70	85	90	98	122	136	156	162	180	199
Htg Surf. WS (Sq Ft)	66	77	90	99	108	134	151	166	179	200	220
Furnace Vol (Cu Ft)	4.3	4.3	5.6	5.6	6.1	7.7	8.4	9.1	9.1	10.7	11.7
Water Cap. (Gal, Full)	78	75	106	98	92	124	115	145	153	136	190
Dry Weight (LBS)	975	1,025	1,200	1,225	1,275	1,500	1,575	1,800	1,825	1,925	2,150
<b>A</b> Width	28	28	30¼	30¼	30¼	34¼	34¼	36½	36½	36½	41
<b>B</b> Height	68	68	73	73	73	73	73	79	79	79	80
<b>C</b> Length of Skid	36	36	39	39	39	43	43	45	45	45	50
<b>D</b> Overall Length	54	54	56¼	56¼	56¼	60¼	60¼	62½	62½	62½	67
<b>E</b> Return Size	1½	1½	1½	1½	1½	2	2	2½	2½	2½	3
<b>F</b> Return Height	9	9	9	9	9	9	9	9	9	9	10
<b>G</b> Return Height with Pump	28	28	28	28	28	30	30	30	30	30	32
<b>H</b> Supply Size	1½	1½	1½	1½	1½	2	2	2½	2½	2½	3
<b>I</b> Supply Height	62	62	68	68	68	67	67	74	74	74	75
<b>J</b> Supply Height with CV	68	68	74	74	74	74	74	80	80	80	84
<b>K</b> Burner Port Height	16	16	18	18	18	18	18	18	18	18	19
<b>L</b> Flue Size	6	6	8	8	8	8	8	10	10	10	10

ALL DIMENSIONS ARE IN INCHES. DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE. CERTIFIED DRAWING AVAILABLE UPON REQUEST.

STANDARD RETURN/SUPPLY SIZES LISTED MAY BE INCREASED FOR HIGH FLOW APPLICATIONS.

\*\* THESE MODELS MAY BE PROVIDED WITH FACTORY INSTALLED COPPER FINNED TANKLESS COILS FOR INDIRECT HEATING.



**QUALITY • PERFORMANCE • EFFICIENCY • EXPERIENCE**

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