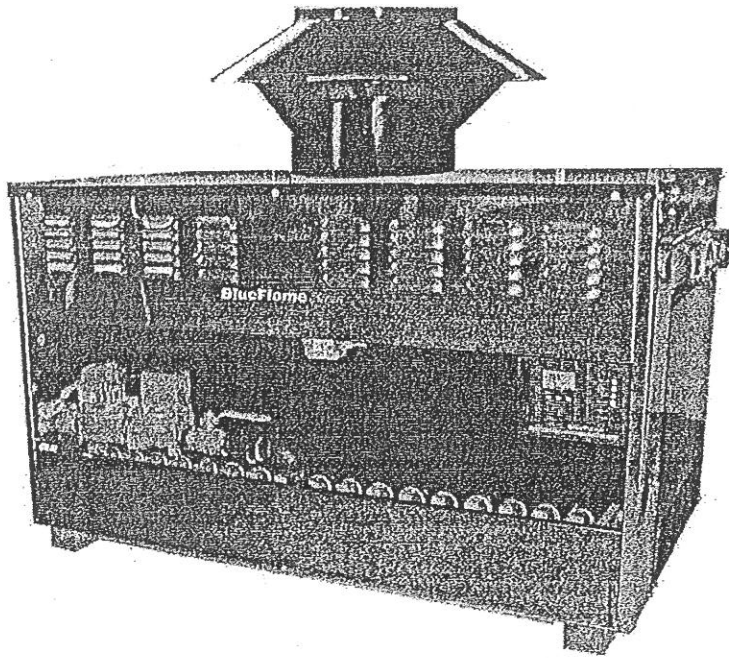


HEScoTM INC.

INDUSTRIES, INCORPORATED

DOMESTIC WATER HEATERS SERIES BFW

480,000 THROUGH 1,950,000 BTUH INPUT



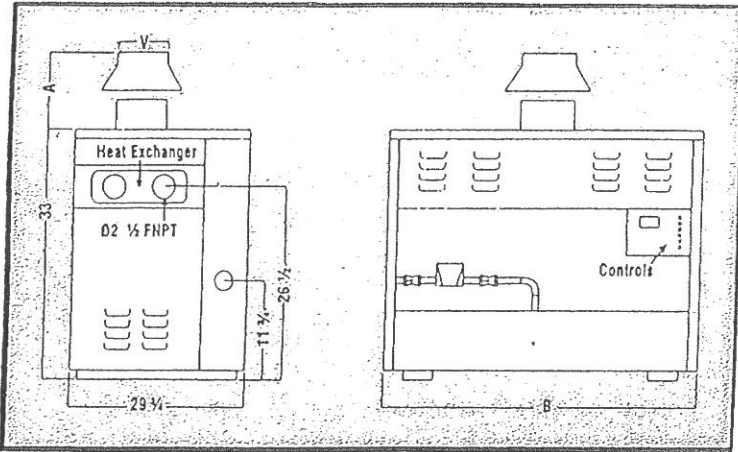
STANDARD EQUIPMENT

- 7/8" copper extruded finned tube heat exchanger
- Cast bronze headers
- Slide out heat exchanger
- Slide out burner assembly
- Stainless steel trimmed jacket
- Manual "A" shut-off valve
- Main gas valve
- Pilot "B" valve
- Gas pressure regulator
- 110/24 volt transformer
- ASME pressure relief valve
- AGA design certified
- ASME section IV - 160 PSI
- On/off firing
- Flow switch
- Operating temperature control
- Manual reset high limit
- Electronic ignition with flame supervision
- Inlet thermometer
- Outlet thermometer
- Meets ASHRAE 90 lb-1992

OPTIONAL EQUIPMENT

- Two stage firing
- Motorized modulation
- Low water cut off
- Factory Mutual - FM
- Industrial Risk Insurers - IRI
- HI-2000-S gas/carbon monoxide alarm
- Cupro-Nickel heat exchanger
- Constructed for outdoor installation
- Optional digital temperature control

DOMESTIC WATER HEATERS SERIES BFW



RECOVERY CAPACITY				
MODEL	70 DEG F	80 DEG F	100 DEG F	120 DEG F
BFW 480	683	598	478	398
BFW 660	938	821	657	547
BFW 840	1194	1045	836	697
BFW 1020	1450	1269	1015	846
BFW 1200	1706	1493	1194	995
BFW 1380	1961	1716	1373	1144
BFW 1560	2219	1942	1553	1294
BFW 1740	2474	2165	1732	1443
BFW 1950	2773	2426	1941	1618

STANDARD VENTING					
MODEL	A	B	V	NAT. GAS	LP GAS
BFW 480	16"	30 3/4"	10"	1"	3/4"
BFW 660	16"	39"	12"	1"	3/4"
BFW 840	19"	47 1/4"	14"	1"	3/4"
BFW 1020	21"	55 1/2"	16"	1 1/4"	1"
BFW 1200	21"	63 3/4"	16"	1 1/4"	1"
BFW 1380	21"	72"	18"	1 1/4"	1"
BFW 1560	21"	80 1/4"	18"	1 1/4"	1"
BFW 1740	21"	88 1/2"	20"	1 1/2"	1 1/4"
BFW 1950	21"	96 3/4"	20"	1 1/2"	1 1/4"

OUTDOOR VENTING					
MODEL	A	B	V	NAT. GAS	LP GAS
BFW 480	20"	30 3/4"	12"	1"	3/4"
BFW 660	20"	39"	14"	1"	3/4"
BFW 840	20"	47 1/4"	16"	1"	3/4"
BFW 1020	20"	55 1/2"	18"	1 1/4"	1"
BFW 1200	20"	63 3/4"	18"	1 1/4"	1"
BFW 1380	20"	72"	20"	1 1/4"	1"
BFW 1560	20"	80 1/4"	20"	1 1/4"	1"
BFW 1740	20"	88 1/2"	22"	1 1/2"	1 1/4"
BFW 1950	20"	96 3/4"	22"	1 1/2"	1 1/4"

INPUT & OUTPUT RATINGS BTU/HR			
MODEL	INPUT	OUTPUT	SHIPPING WEIGHT
	MBH	MBH	LBS
BFW 480	480	398.4	356
BFW 660	660	547.8	422
BFW 840	840	697.2	507
BFW 1020	1026	846.6	564
BFW 1200	1200	996	620
BFW 1380	1380	1145.4	698
BFW 1560	1560	1294.8	764
BFW 1740	1740	1444.2	830
BFW 1950	1950	1618.5	900

HEAT EXCHANGER HEAD LOSS & TEMPERATURE RISE						
TEMP	20 F		30 F		35 F	
	TEMP. RISE		TEMP. RISE		TEMP. RISE	
MODEL	GPM	ΔP FT	GPM	ΔP FT	GPM	ΔP FT
BFW 480	40	0.5	26.5	0.3	22.5	0.2
BFW 660	55	1.1	36.5	0.5	31	0.4
BFW 840	70	2.1	46.5	0.9	40	0.7
BFW 1020	85	3.3	56.5	1.5	48.5	1.2
BFW 1200	100	5.6	66.5	2.3	57	1.7
BFW 1380	*	*	76.5	3.3	65.5	2.5
BFW 1560	*	*	86	4.5	74	3.4
BFW 1740	*	*	96	5.9	82	4.5
BFW 1950	*	*	108	8	92.5	6