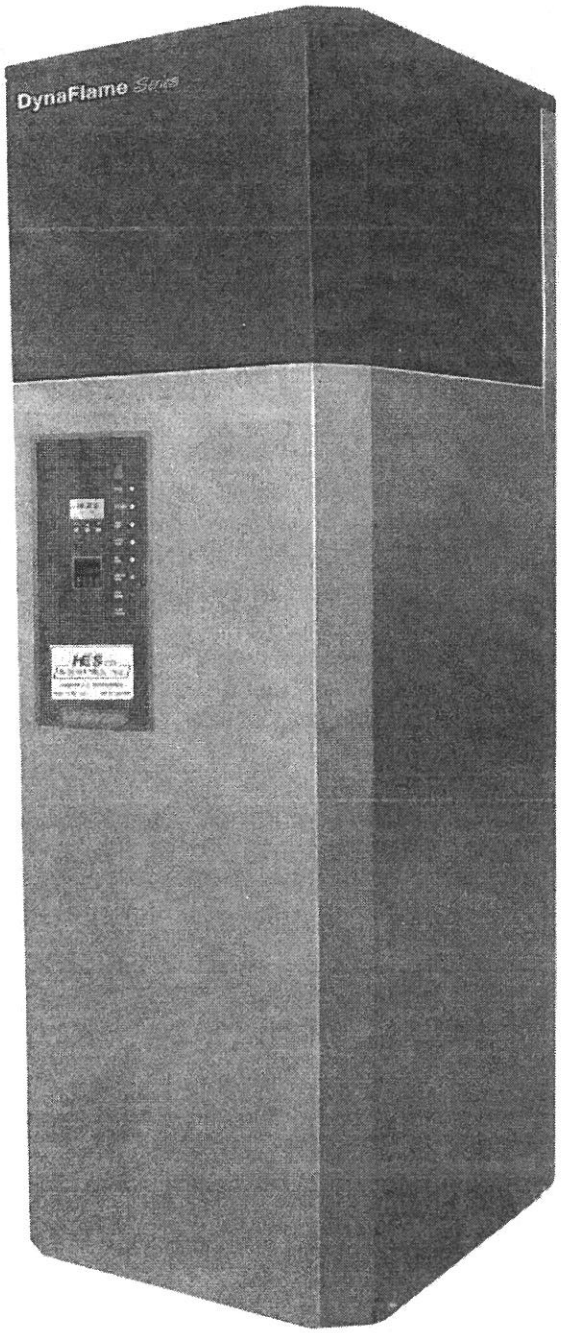
HESCO™ INC.
INDUSTRIES, INCORPORATED

DOMESTIC WATER HEATERS SERIES DFW

500,000 THROUGH 3,000,000 BTUH INPUT



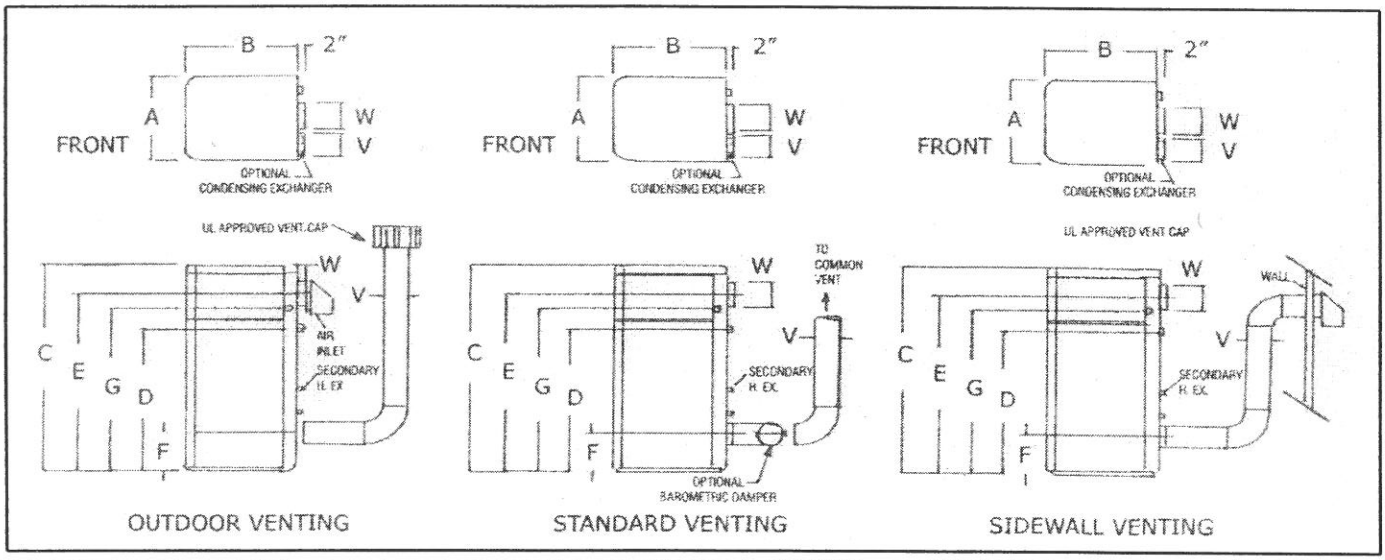
VENTS UP TO 100 FEET HORIZONTALLY.
UP TO 100 FEET OF AIR INTAKE DUCT.

STANDARD EQUIPMENT

- 85% Thermal Efficiency
- Range of burner modulation of 35-100% (non-condensing)
- Suitable for Category 1 installation
- All Bronze and Copper water surfaces
- Single point input adjustment for controlling air and gas
- 1 to 1 gas/air ratio for perfect modulation throughout
- Extremely low NOx emissions exceeding air quality standards (less than 10 PPM)
- Flow switch
- Pressure Relief Valve
- Very small footprint
- Extremely low noise level of operation
- Metal fibre knit burner
- Stainless Steel Outer Jacket & Combustion Chamber
- Advanced Digital Control System with pin point accuracy
- Proven hot surface ignition w/ soft start for rumble-free operation
- Designed for easy access to components for maximum serviceability
- Gasketless heat exchanger design
- Inspected and tested to ASME requirements
- Maximum allowable working pressure of 160 PSI
- Maximum operating water temperature of 250 deg. F.
- 24 volt circuit breaker
- Protective air filter
- Very low gas pressure operation (down to 2" pressure inlet)
- Main burner test firing valve
- Temperature and Pressure Gauge

OPTIONAL EQUIPMENT

- Secondary Exchanger for condensing operation at 95% efficiency
- Range of burner modulation 20-100% (condensing)
- High Gas Pressure Switch
- Low Gas Pressure Switch
- Normally open Vent Valve
- Low Water Cut-Off
- Flame Failure Alarm
- Pump Delay
- Outdoor Installation
- Cupro Nickel Heat Exchanger
- IRI Gas train
- Hi 2000-S Gas/Carbon Monoxide Alarm
- PKG—Packaged on skid with storage tank



DIMENSIONAL SPECIFICATIONS

MODEL INPUT X 1000	A' WIDTH	B' DEPTH	C' HEIGHT	D' WATER CONN.	E' AIR INLET	F' FLUE	G' GAS	V' DIAMETER			W DIA. AIR INLET	WATER CONN.	GAS CONN.
								OUTDOOR	SIDEWALL OR ALL CONDENSING	STD			
500	23"	27"	45"	25 3/4"	35 1/4"	11"	32 1/4"	6"	6"	8"	6"	2" NPT	1" NPT
750	23"	27"	54"	34 7/8"	44 3/8"	12 3/4"	41 3/8"	8"	8"	10"	8"	2" NPT	1" NPT
1100	23"	27"	68"	48 1/2"	58"	19 1/2"	55"	8"	8"	10"	8"	2" NPT	1" NPT
1200	23"	27"	68"	48 1/2"	58"	19 1/2"	55"	8"	8"	10"	8"	2" NPT	1" NPT
1500	29 1/2"	34"	57"	36 1/2"	46 7/8"	12 1/2"	43 7/8"	10"	10"	12"	10"	2 1/2" NPT	1 1/4" NPT
1750	29 1/2"	34"	61"	41"	51 3/8"	17"	48 3/8"	10"	10"	12"	10"	2 1/2" NPT	1 1/4" NPT
2000	29 1/2"	34"	66"	45 1/2"	55 7/8"	16 1/4"	52 7/8"	12"	12"	14"	12"	2 1/2" NPT	1 1/4" NPT
2500	29 1/2"	34"	72"	51"	61 3/8"	21 1/2"	57 3/8"	12"	12"	14"	12"	3" NPT	1 1/2" NPT
3000	29 1/2"	34"	78"	59 1/2"	69 7/8"	28"	66 7/8"	12"	12"	14"	12"	3" NPT	1 1/2" NPT

HEAT EXCHANGER HEAD LOSS & TEMP RISE

MODEL INPUT X 1000	TEMPERATURE RISE ACROSS HEAT EXCHANGER					
	20 DEG F		30 DEG F		35 DEG F	
	GPM	ΔP-FT	GPM	ΔP-FT	GPM	ΔP-FT
500	42.0	1.4	28.0	0.7	24.0	0.5
750	62.9	2.8	42.0	1.4	36	1.0
1100	* 90.0	5.5	61.6	2.7	52.8	2.1
1200	* 90.0	6.0	68.0	2.9	58.3	2.1
1500	* 90.0	5.0	83.9	2.4	71.9	1.8
1750	* 90.0	6.7	97.9	3.2	83.9	2.5
2000	170.0	8.5	111.9	4.1	95.9	3.1
2500	* 180.0	12.6	139.9	6.1	119.9	4.6
3000	* 180.0	17.6	167.9	8.4	143.9	7.0

* Maximum flows recommended. Temp. rise will be higher than shown. Contact HESco for recommendations.

SHIPPING WTS.

MODEL INPUT X 1000	INCLUDING SKID	
	NON CONDENSING	CONDENSING
500	375 LBS	425 LBS
750	400 LBS	450 LBS
1100	480 LBS	530 LBS
1200	485 LBS	535 LBS
1500	578 LBS	628 LBS
1750	695 LBS	745 LBS
2000	775 LBS	825 LBS
2500	875 LBS	925 LBS
3000	920 LBS	970 LBS

RECOVERY CAPACITY

MODEL INPUT X 1000	85% EFFIECIENCY		95% EFFICIENCY	
	100 DEG F RISE /GPH	80 DEG F RISE /GPH	100 DEG F RISE /GPH	80 DEG F RISE /GPH
500	503	629	570	712
750	755	944	855	1069
1100	1107	1384	1254	1568
1200	1208	1510	1368	1710
1500	1510	1887	1710	2138
1750	1762	2202	1995	2494
2000	2013	2516	2280	2851
2500	2516	3146	2851	3563
3000	3020	3775	3421	4276

INPUT & OUTPUT

MBTU INPUT	MBTU OUTPUT	
	CONDENSING	NON.COND.
500	475.00	425.00
750	712.50	637.00
1100	1045.00	935.00
1200	1140.00	1020.00
1500	1425.00	1275.00
1750	1662.50	1487.50
2000	1900.00	1700.00
2500	2375.00	2125.00
3000	2850.00	2550.00