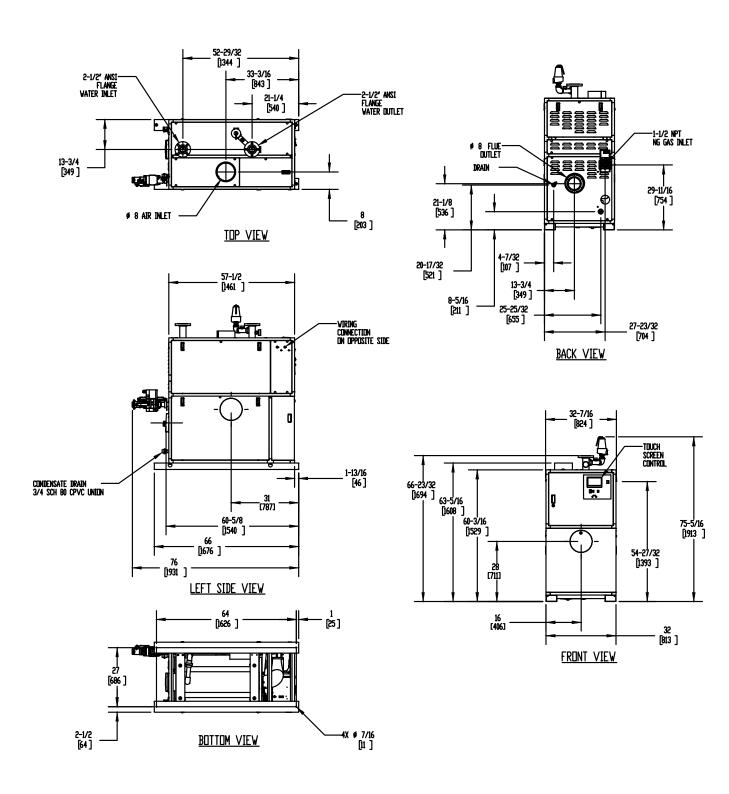
TORUS 2000 VERTICAL

Category II or Category IV Appliance

(see Installation and Operation Manual for venting information)

INDOOR UNIT



Notes:

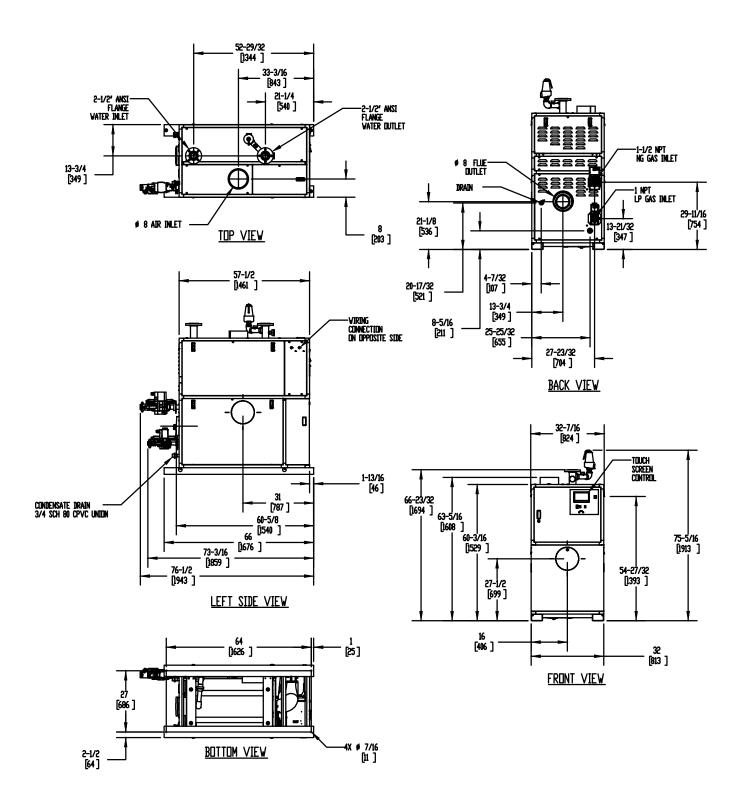
- Dimensions are approximate and should not be used to "rough-in" equipment.
- Dimensions are subject to change without notice.
 All dimensions are in inches (mm).
 Symbol indicates center of gravity.

TORUS 2000 VERTICAL

Category II or Category IV Appliance

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DUAL FUEL UNIT



Notes:

- Dimensions are approximate and should not be used to "rough-in" equipment.
- Dimensions are subject to change without notice.
 All dimensions are in inches (mm).
 Symbol indicates center of gravity.

BOILER CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/Propane Gas	Boiler FLA	25.6
Input BTU/hr.	1,999,000 / 586 kW	Boiler HP	57.66
Output BTU/hr.	1,929,035 / 565 kW	Min. Gas Pressure Required	4"W.C.
Electrical Requirements	230 VAC/60 Hz/1PH	Max. Gas Pressure Allowed	14" W.C.
		Operating Weight	1388 lbs / 630 kg

BOILER TRIM & CONTROLS

Main Gas Valve	Dungs MBC	Air Switch	Huba	
Firing Valve	1 1/2" Apollo	Flow Switch	SIKA	
Ignition Control	Fenwal	Blocked Flue Switch	Cleveland NS2	
Operating Control	HeatNet [®]	Blower Motor	Ametek	
High Limit	High Limit Jumo		800	
Main Ball Valve	1 1/2" Apollo	Relief Valve (WB)	1" x 1-1/4" set @ 50 psi	
Pump contactor strongly recommended for	water heater applications.	Relief Valve (WW)	1" x 1" set @ 125 psi	

A.S.M.E.

ASME Sect IV Fire Side	153.19 Sq. Ft. / 14.23 Sq. M.	Design Data	Max. 160 psig & 210°F
Htg Surface		Water Volume	16.9 gal. / 64 Liters
ASME Sect IV Water Side	141.93 Sq. Ft. / 13.19 Sq. M.	pH Level	6.5-8.5
Htg Surface			

^{*} Add circulator amps.

BOILER TEMPERATURE RISE / PRESSURE DROP (Based on Full Input)

	20°F /	′ 11.1°C		30°F / 16.7°C			40°F / 22.2°C			50°F / 27.8°C				60°F / 33.3°C					
	ow ate	Pressur	e Drop	Flo Ra		Pressur	e Drop		ow ite	Pressui	re Drop	Flo Ra	ow ite	Pressur	e Drop	Flo Ra		Pressur	e Drop
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
193.0	12.2	22.3	66.5	128.7	8.1	9.9	29.7	96.5	6.1	6.1	18.2	77.2	4.9	4.2	12.5	64.3	4.1	3.1	9.2

Flow GPI	M (Boiler)	Temp. Rise (°F) (Boiler**)	Vent Lengt	h (Equiv. Ft.)	Air Inlet Length (Equiv. Ft.)		
Min	Max	Min	Max	Min	Max	Min	Max	
64.3	193.0	20	60	8	160	0	160	

^{**} Min/Max delta t reflects boiler operation at full input. For applications requiring operation above/below these parameters please consult factory.

WATER HEATER HOURLY RECOVERY CAPACITY (GPH & LPH)

40°F	22°C	60°F	33℃	80°F	44°C	100°F	56°C	120°F	67°C	140°F	78°C
5819	21997	3880	14665	2910	10999	2328	8799	1940	7332	1663	6285

Water Heater Min Flow Rates

	Normal (4	to 12) gpg		Hard (12 to 15) gpg				
Flow	Rate	Pressur	re Drop	Flow	Rate	Pressure Drop		
gpm	L/s	Ft	kPa	gpm	L/s	Ft	kPa	
153.5	9.7	14.1	42.1	204.6	12.9	25.0	74.7	

REP FIRM	
SUBMITTED BY	
JOB NAME	
ARCHITECT	
ENGINEER	
CONTRACTOR	
DATE	

TORUS 2000 VERTICAL

Category IV Appliance

(see Installation and Operation Manual for venting information)



A Division of Mestek, Inc. Westfield, MA 01085 (833) 265-5371