

TORUS 3000 VERTICAL

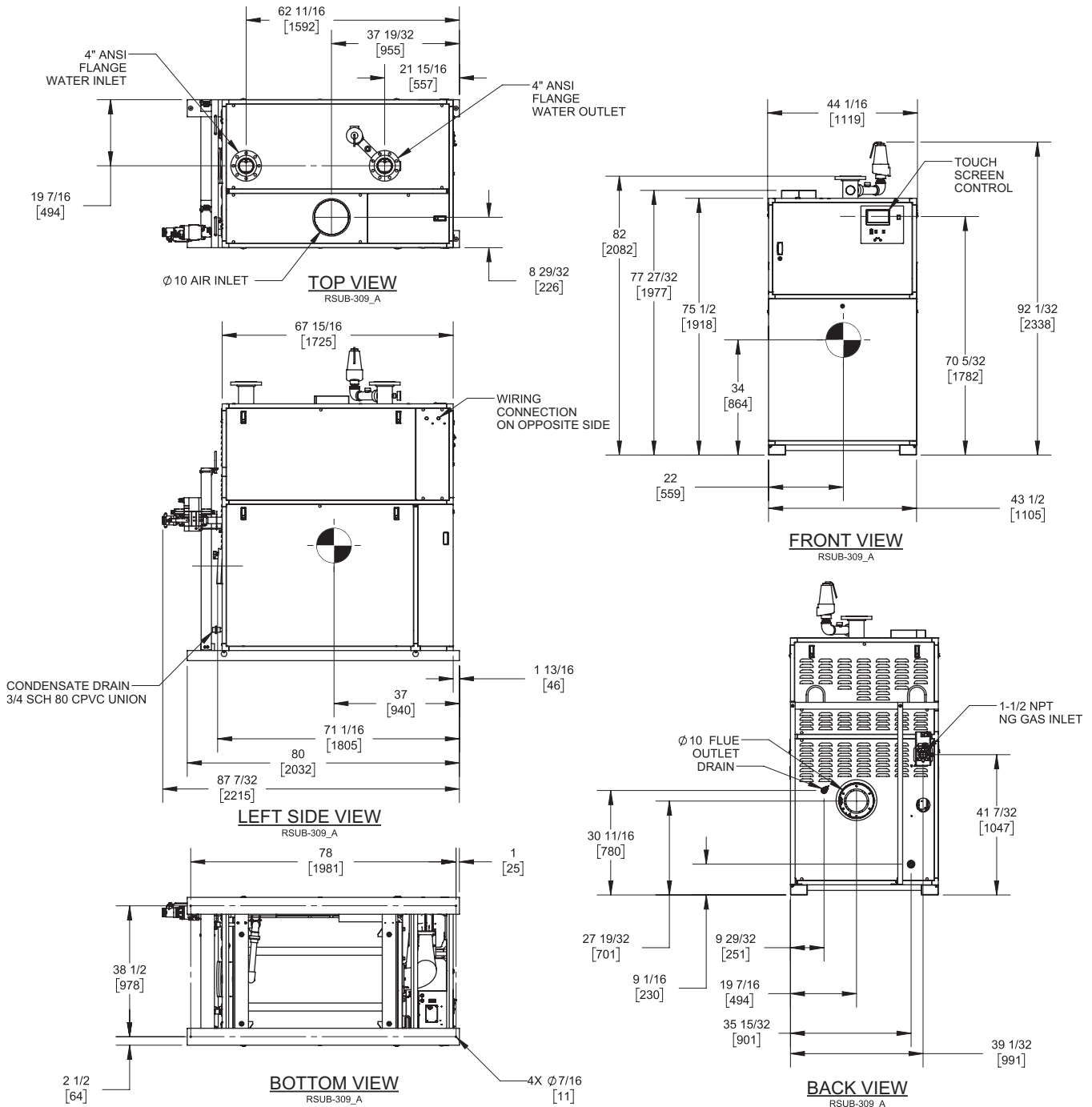
Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

CSD-1

FIRMWARE W/REMOTE
TEST MANUAL RESET LWCO

INDOOR UNIT



Notes:

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

TORUS 3000 VERTICAL

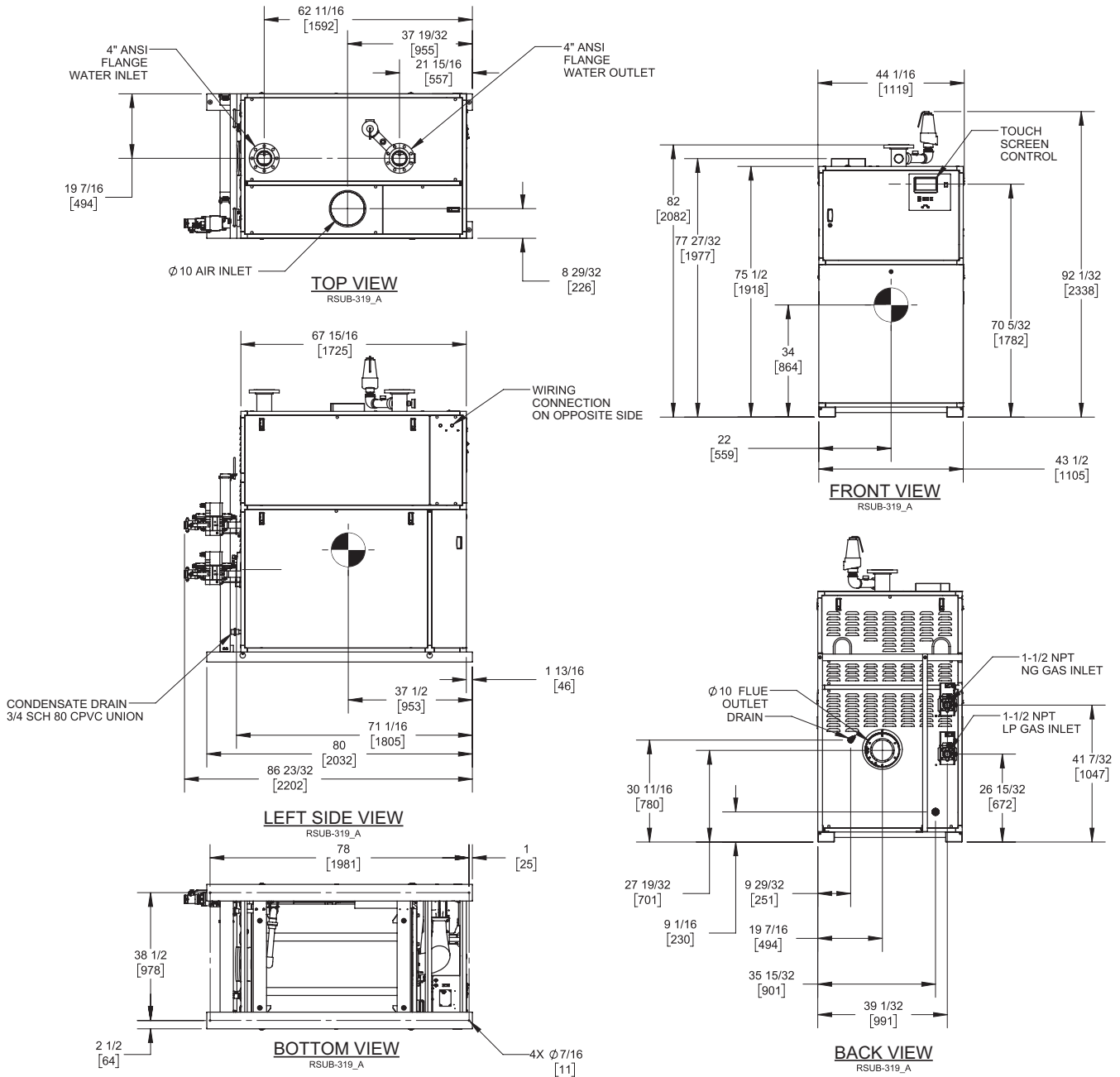
Category II or Category IV Appliance
(see Installation and Operation Manual for venting information)

CODE OPTIONS

CSD-1

FIRMWARE W/REMOTE
TEST MANUAL RESET LWCO

DUAL FUEL UNIT



Notes:

1. Dimensions are approximate and should not be used to "rough-in" equipment.
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BOILER CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/Propane Gas	Boiler FLA	15.05*
Input BTU/hr.	3,000,000 / 879 kW	Boiler HP	87.39
Output BTU/hr.	2,925,000 / 857 kW	Min. Gas Pressure Required	4" W.C.
Electrical Requirements	230 VAC/60 Hz/3PH	Max. Gas Pressure Allowed	14" W.C.
		Operating Weight	2311 lbs / 1048 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	Jumo	L.W.C.O.	800
Main Ball Valve	1 1/2" Apollo	Relief Valve (WB)	1" x 1 1/2" set @ 50 psi
Pump contactor strongly recommended for water heater applications.		Relief Valve (WW)	1 1/2" x 1 1/2" set @ 125 psi

A.S.M.E.

ASME Sect IV Fire Side Htg Surface	300.69 Sq. Ft. / 27.94 Sq. M.	Design Data	Max. 160 psig & 210°F
ASME Sect IV Water Side Htg Surface	277.23 Sq. Ft. / 25.76 Sq. M.	Water Volume	24.9 gal. / 94.3 Liters

* 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			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure 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
292.6	18.5	21.0	62.7	195.1	12.3	11.8	35.3	146.3	9.2	7.9	23.7	117.0	7.4	5.8	17.4	97.5	6.2	4.5	13.5

WATER HEATER HOURLY RECOVERY CAPACITY (GPH & LPH)

40°F	22°C	60°F	33°C	80°F	44°C	100°F	56°C	120°F	67°C	140°F	78°C
8824	33353	5882	22235	4412	16676	3529	13341	2941	11118	2521	9529

Flow GPM		Temp. Rise** (°F)		Vent Length (Equiv. Ft.)		Air Inlet Length (Equiv. Ft.)	
Min	Max	Min	Max	Min	Max	Min	Max
97.5	292.6	20	60	10	160	0	160

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

REP FIRM	_____	<h1>TORUS 3000 VERTICAL</h1> <p>Category II or Category IV Appliance (see Installation and Operation Manual for venting information)</p>  <p>A Division of Mestek, Inc. Westfield, MA 01085 (413) 564-5515</p>
SUBMITTED BY	_____	
JOB NAME	_____	
ARCHITECT	_____	
ENGINEER	_____	
CONTRACTOR	_____	
DATE	_____	