

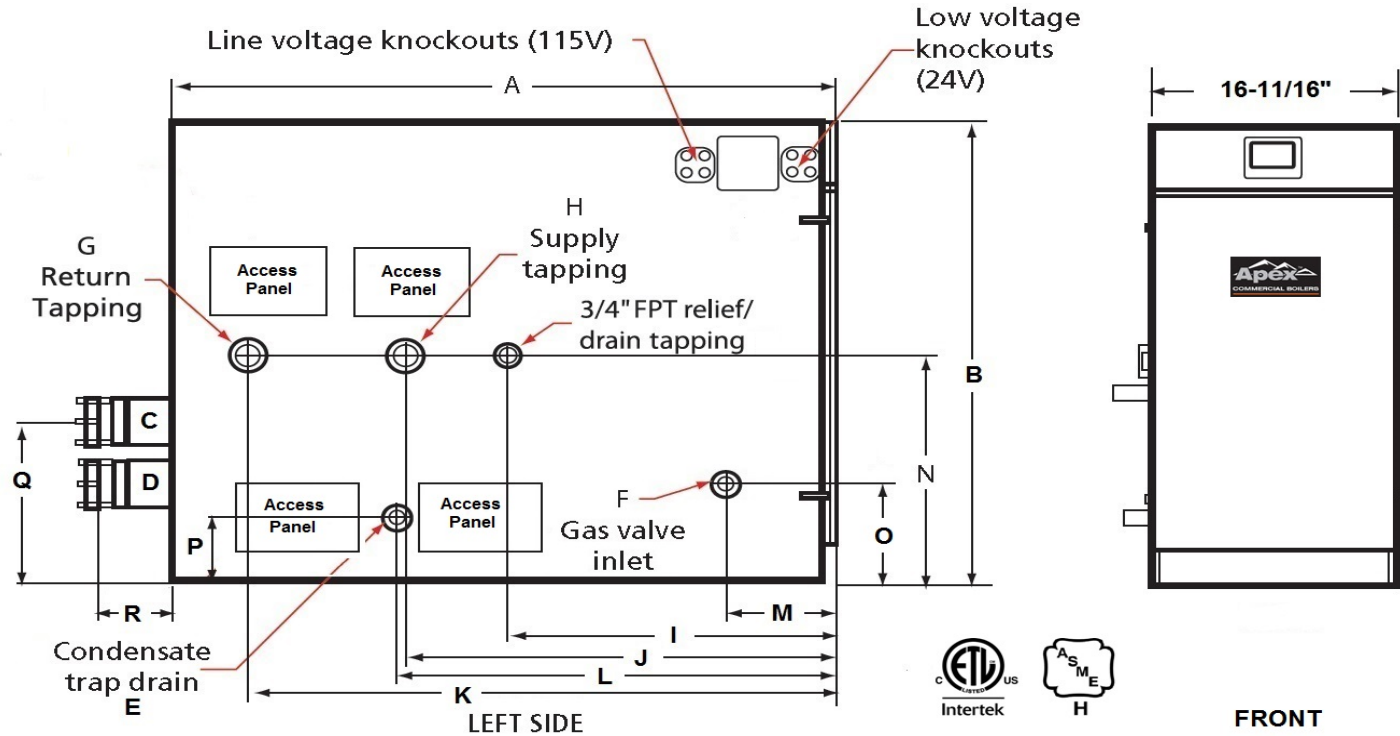
APEX COMMERCIAL CONDENSING BOILERS - SUBMITTAL DATA SHEET

RATINGS AND CAPACITIES		
Input - Low Fire	160,000	BTU/HR
Input - High Fire	800,000	BTU/HR
Output - High Fire	760,000	BTU/HR
Boiler Horsepower	22.7	BHP
Thermal Efficiency	95.0%	
Heating Surface	65	Sq.Ft.
Water Content	5.0	Gallons
Fuel	Natural Gas or Propane	
Firing Rate	Full Modulation	
Burner Turndown	5:1	
Inlet Gas Pressure (NG)	4.5" wc	Min.
	13.5" wc	Max.
Inlet Gas Pressure (LP)	11" wc	Min.
	13.5" wc	Max.
Shipping Weight	430	lbs

FLOWS AND PRESSURE DROPS		
	Flow (GPM)	Δ P (Ft. Hd)
20°F Δ T (Max)	76.0	30
25°F Δ T	60.8	20.9
30°F Δ T	50.7	15.5
35°F Δ T (Min)	43.4	12.1

ASME Section IV (Max 160 PSIG / 210°F)

STANDARD EQUIPMENT	
- ASME Stainless Steel Heat Exchanger	
- Stainless Steel Mesh Burner	
- Variable Speed Combustion Blower	
- Sage 2.1™ Boiler Controller	
- Zero Governor Gas Valve	
- Supply & Return Temperature Sensors	
- Flue Gas Temperature Sensor	
- Outdoor Air Temperature Sensor	
- Sealed Control Compartment	
- Negative Pressure Lower Cabinet	
- Front-Mounted Terminal Strip	
- Low Voltage Terminal Strip	
- 120/1/60 Line Voltage (< 8 Amps)	
- Polypropylene Condensate Trap	
- 60 Psig Pressure Relief Valve	
- Flow Switch	
- Stacking Boiler Brackets	
- Rear Flue Outlet	
- PVC Vent Termination Kit (Ships Loose)	



DIMENSIONS			
Length (A)	54-9/16"	Front to Relief Valve/Drain *Connection (I)	28-3/8"
Height (B)	35"	Front to Supply *Connection (J)	34-1/4"
Width	16-11/16"	Front to Return *Connection (K)	48-1/16"
Vent Connection (C)	6" CPVC	Front to Condensate Drain *Connection (L)	33-13/16"
Air Intake Connection (D)	6" PVC	Front to Gas Valve Inlet *Connection (M)	7-9/16"
Condensate Trap Drain Connection (E)	[1]	Floor to Supply/Return *Connections (N)	17-5/16"
Gas Valve Inlet Connection (F)	1" NPT	Floor to Gas Valve *Connections (O)	7-5/16"
Return Connection (G)	2" NPT	Floor to Condensate Drain *Connection (P)	5-1/16"
Supply Connection (H)	2" NPT	Floor to Vent *Connection (Q)	12-1/4"
		Rear to Vent / Air Intake Opening (R)	6-1/4"

* Dimension is to the Centerline of the Connection

[1] Factory provided socket end compression pipe joining clamp for 3/4" schedule 40 PVC pipe

APX-825

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HOT WATER SYSTEMS

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