

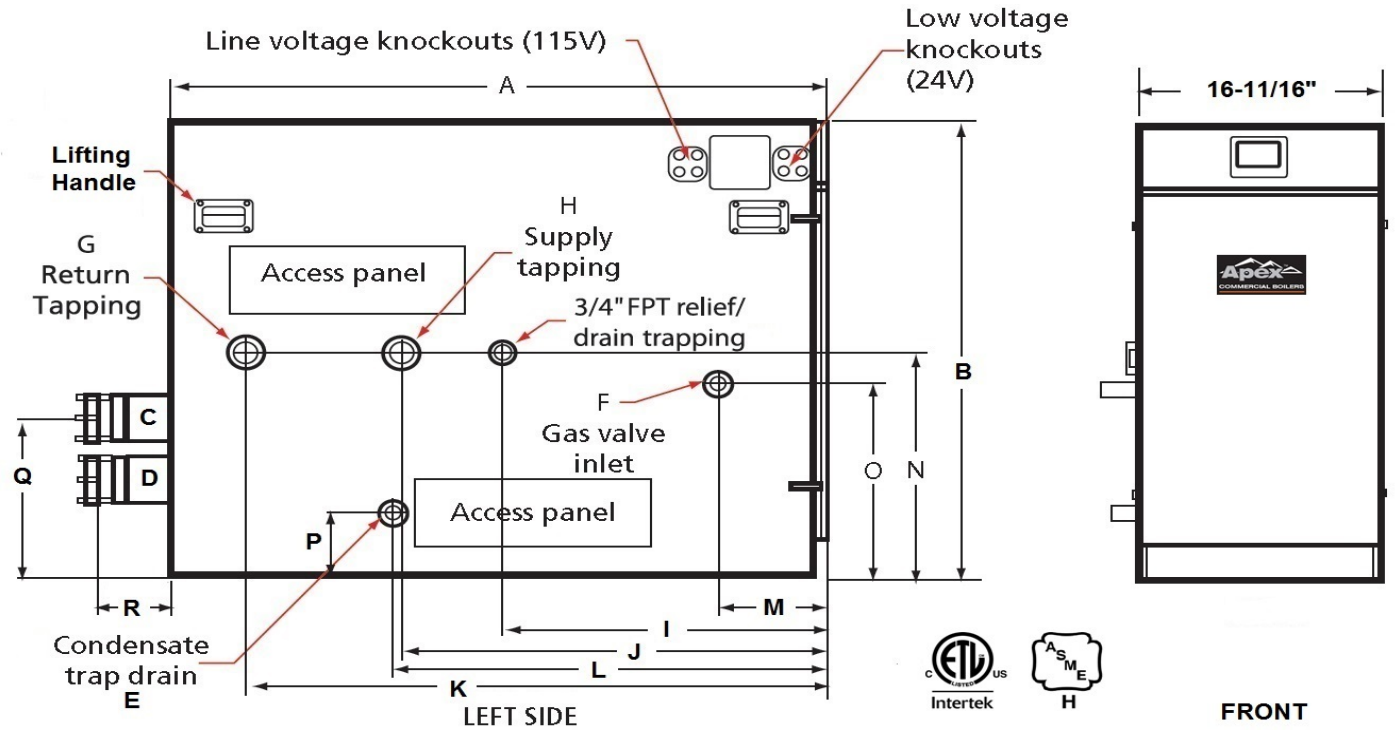
APEX COMMERCIAL CONDENSING BOILERS - SUBMITTAL DATA SHEET

RATINGS AND CAPACITIES		
Input - Low Fire	100,000	BTU/HR
Input - High Fire	500,000	BTU/HR
Output - High Fire	475,000	BTU/HR
Boiler Horsepower	14.2	BHP
Thermal Efficiency	95.0%	
Heating Surface	51	Sq.Ft.
Water Content	4.2	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	350	lbs

FLOWS AND PRESSURE DROPS		
	Flow (GPM)	Δ P (Ft. Hd)
20°F Δ T (Max)	47.5	17.6
25°F Δ T	38.0	12.1
30°F Δ T	31.7	8.9
35°F Δ T (Min)	27.1	6.9

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 (< 6 Amps)	
- Polypropylene Condensate Trap	
- 50 Psig Pressure Relief Valve	
- Flow Switch	
- Lifting Handles	
- Stacking Boiler Brackets	
- Rear Flue Outlet	
- PVC Vent Termination Kit (Ships Loose)	



DIMENSIONS			
Length (A)	44-7/8"	Front to Relief Valve/Drain *Connection (I)	22-1/8"
Height (B)	35"	Front to Supply *Connection (J)	29"
Width	16-11/16"	Front to Return *Connection (K)	39-11/16"
Vent Connection (C)	4" CPVC	Front to Condensate Drain *Connection (L)	29-3/8"
Air Intake Connection (D)	4" PVC	Front to Gas Valve Inlet *Connection (M)	7-7/16"
Condensate Trap Drain Connection (E)	[1]	Floor to Supply/Return *Connections (N)	17-5/16"
Gas Valve Inlet Connection (F)	3/4" NPT	Floor to Gas Valve *Connections (O)	14-29/32"
Return Connection (G)	1-1/2" NPT	Floor to Condensate Drain *Connection (P)	5"
Supply Connection (H)	1-1/2" NPT	Floor to Vent *Connection (Q)	12-1/4"
* Dimension is to the Centerline of the Connection		Rear to Vent / Air Intake Opening (R)	6-1/4"

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

APX-525

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