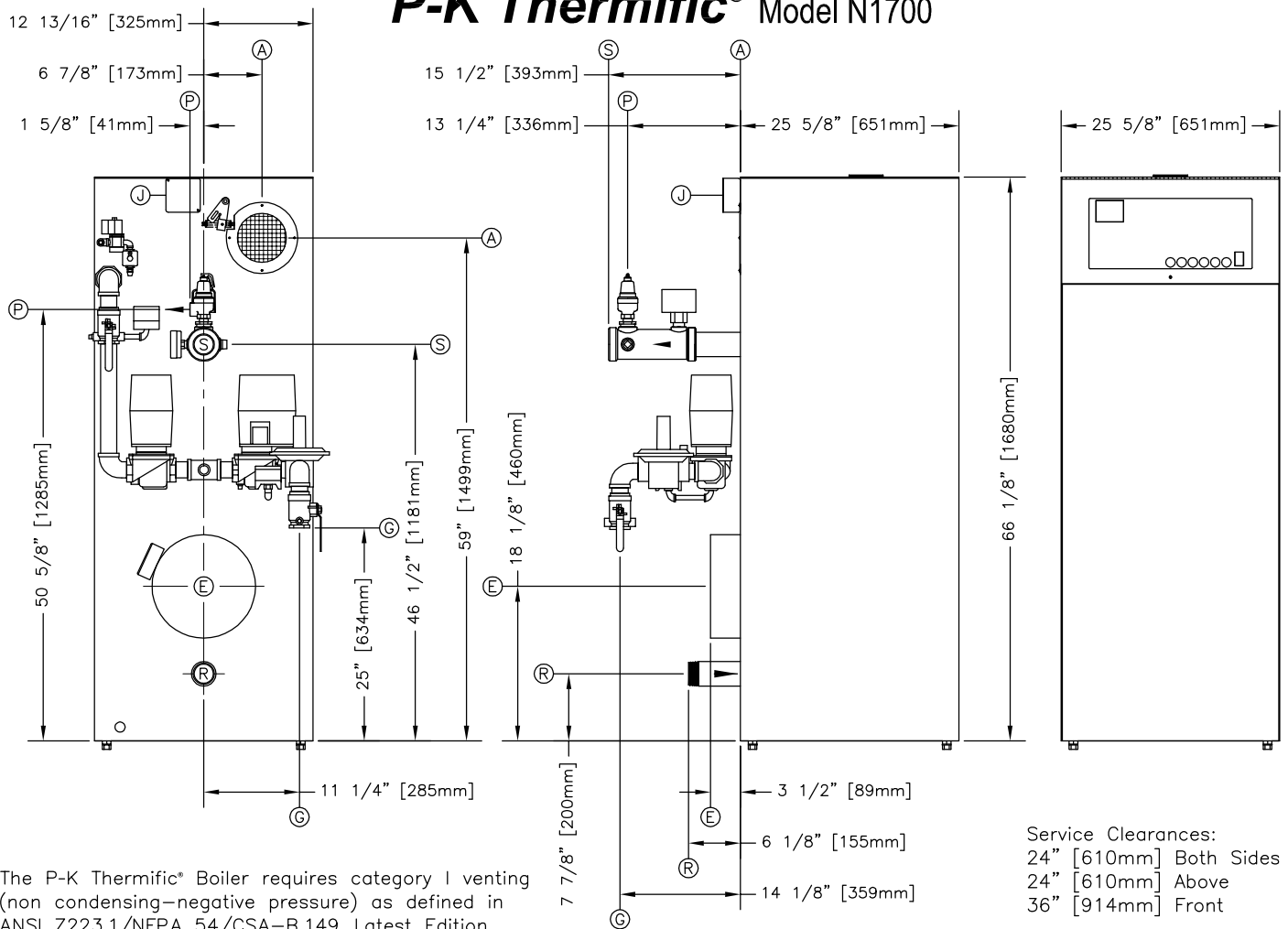


# P-K Thermific® Model N1700



The P-K Thermific® Boiler requires category I venting (non condensing—negative pressure) as defined in ANSI Z223.1/NFPA 54/CSA—B.149 Latest Edition.

### BOILER CONNECTIONS:

(A) Combustion Air Inlet	6" dia
(E) Exhaust Vent	12" OD
(G) Main Gas Connection	1 1/2" NPT—F
(J) Wiring Junction Box	4" square
(P) Pressure Relief Valve	see list for selection
(R) Boiler Water Return	2 1/2" NPT—M
(S) Boiler Water Supply	2 1/2" NPT—F

**BOILER CONTROLS:** ASME CSD-1 is standard.  
Complies with GE GAP (IRI) guidelines GAP.4.1.0 and GAP.4.1.3.  
Complies with FM Global 6-4/12-69 Section 1.0

- Main Gas Train: see gas train submittal
- Pilot Gas Train: see gas train submittal
- Flame Safeguard, Honeywell RM7895C1020
- Operating Thermostat, 100°–240°F (38°–116°C)
- High Limit Thermostat, Manual Reset, 100–240°F (38°–116°C)
- High Exhaust Temperature Switch, Manual Reset
- LWCO/Flow Switch, Paddle Type
- Air Switch, Differential Pressure Type
- Combustion Blower, 3/4hp
- Barometric Damper, 12" (Shipped Loose)

### FACTORY OPTIONS:

- Probe Type Low Water Cut Off, Manual Reset (Factory Installed)
- Probe Type Low Water Cut Off, Manual Reset (Shipped Loose)

### C.S.A. CERTIFIED RATINGS AND CAPACITIES

Fuel	<input type="checkbox"/> Natural Gas(NG)	<input type="checkbox"/> Propane(LP)
Input, BTU/hr	1,700,000	
Output, BTU/hr	1,445,000	
Boiler HP	43.1	
Maximum Inlet Gas Pressure	14" w.c.	
Minimum Inlet Gas Pressure	NG: 5" w.c. LP: 7" w.c.	

Electrical Requirements	120v, 1ph, 60hz
Total Operating Amps	less than 12 amps
Operating Weight	1010 lbs.
Water Content	7.3 gallons

### A.S.M.E. Section IV Design Data

Maximum Pressure	160 psig
Maximum Temperature	250°F
Heating Surface	206 sq ft
Flow Rate, GPM	100 min/150 max

### Pressure Relief Valve/Press—Temp Gauge

<input type="checkbox"/> 100 PSIG	3/4" (standard)	0–240psi/30–240°F
<input type="checkbox"/> 30 PSIG	1 1/4"	0–100psi/30–240°F
<input type="checkbox"/> 50 PSIG	1"x 1 1/4"	0–100psi/30–240°F
<input type="checkbox"/> 60 PSIG	1"	0–100psi/30–240°F
<input type="checkbox"/> 75 PSIG	1"	0–240psi/30–240°F
<input type="checkbox"/> 80 PSIG	3/4"x 1"	0–240psi/30–240°F
<input type="checkbox"/> 125 PSIG	3/4"	0–240psi/30–240°F
<input type="checkbox"/> 150 PSIG	3/4"	0–240psi/30–240°F

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