



**Mod Con Commercial Condensing Heating Boiler Submittal (1,000,000 / 1,700,005 BTU Models)**

**JOB NAME:** 443 CONGRESS STREET

**LOCATION:**

**ARCH./ENGR.:**

**WHOLESALE:** F W WEBB COMPANY

**MECH. CONTRACTOR:** GRANITE CORP.

**MODEL NUMBER:** MOD CON 1700

**TYPE OF GAS:** NATURAL

**BTU/HR INPUT LOW - HIGH FIRE:**

**NOTES:**

Heat Exchanger

- All Stainless Steel 160 PSI ASME stamped construction. National Board listed.
- Gasketless heat exchanger design
- ASME 75 PSI relief valve
- Front service access to combustion chamber and burner
- Inlet and outlet temperature sensor

Combustion System

- Two Modulating burner systems 10 to 1 turndown – Offers built-in redundancy
- 92% thermal efficiency (All Models)
- High-Grade Inconel burner design
- Spark ignition
- Models available for Natural or LP Gas
- Dual flame monitoring (Spark and Flame probe)
- Gas Valve pressure range 3 ½” minimum to 14” maximum Water Column

Integrated Control System

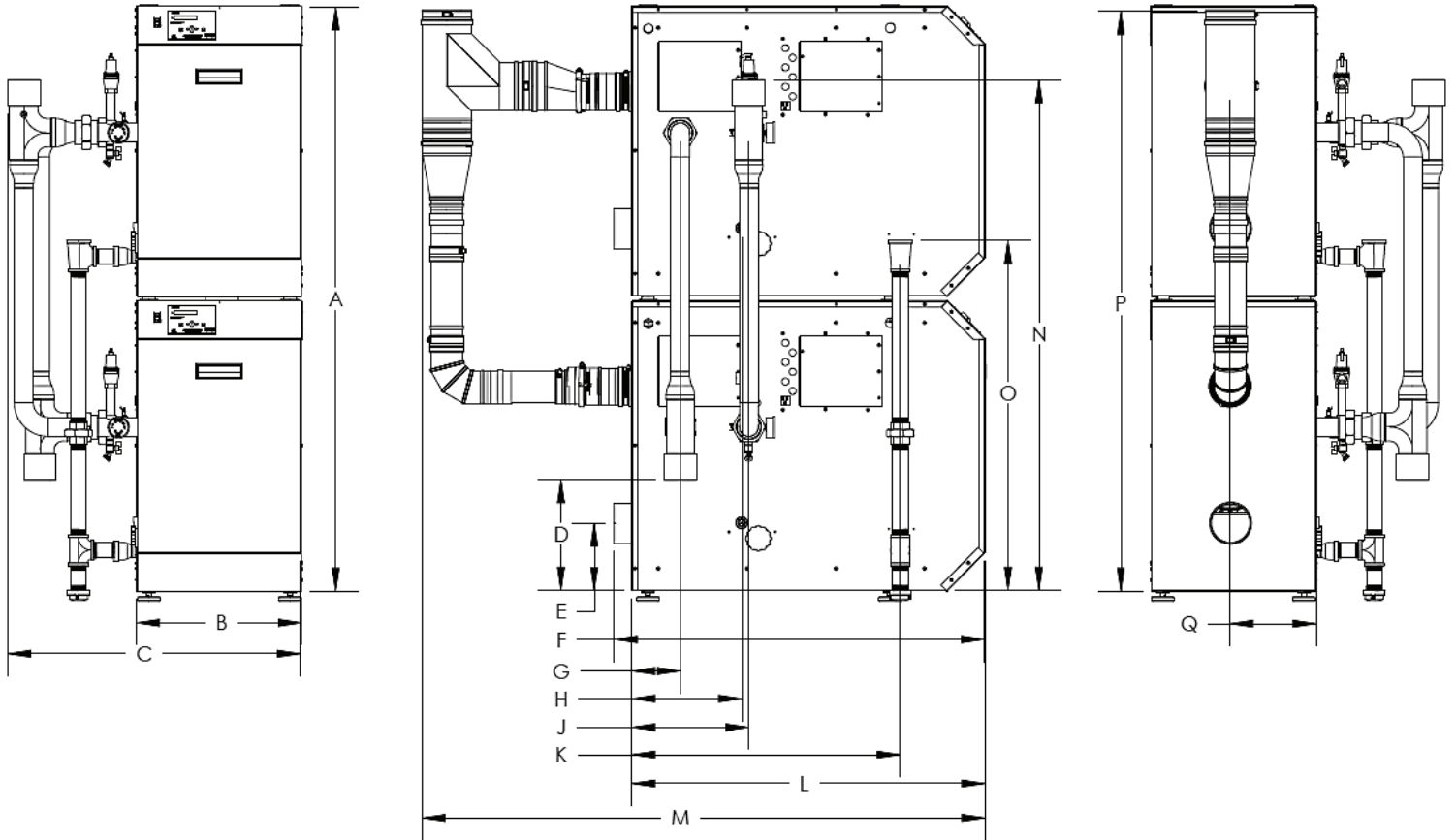
- 926 Digital operating control with LED display
- LED indicators for System Pump – Boiler Pump – DHW Pump – System Fault – System Operation – Freeze Protection – Flame On – Fault Indication
- On/Off Switch
- Password protected
- Outdoor reset with indirect priority
- Multiple 120 volt pump outputs – boiler pump – system pump - DHW pump
- 24 volt monitoring
- 0-10 VDC input from a building management system
- Boiler output regulation (adjustment of boiler output down to 50% of rated capacity)
- Cascade up to 8 boilers
- Field wiring connection board / Cascade wiring CAT 3 or 5

Additional Features

- Superior condensate collection system with float switch (patent pending)
- A/C convenience receptacle for condensate pump
- 10 year limited warranty
- Vents in stainless steel – PVC/CPVC (with optional adapter) – up to 150 equivalent feet (combined intake and exhaust)
- Built-in low water cut-off
- Adjustable leveling legs
- Flue / Water High temperature limit with Manual reset
- Dry contact for alarm output
- Blocked vent pressure switch
- Pressure and temperature gauge

Optional Equipment

- Indirect Sensor (Part # 7250P-325)
- System Sensor (Part # 7250P-324)
- 6” Stainless Steel Outside Termination Vent Kit (Part # V3000)
- High and Low Gas Pressure Switch Kit with Manual Reset (Part # 7350P-600)
- Flow Switch Kit (Part # 7350P-605)
- U.L. 353 Compliant Low Water Cut-Off Interface Kit w/ Manual Reset (Part # 7450P-225 )
- Alarm System to monitor any failure (Part # 7350P-602)
- Condensate Neutralizer (Part # 7350P-611)
- Boiler Caster Kit (Part # 7350P-604)
- PC Connection Cable w / Software (Part # 7350P-320)
- Modbus (Part # 7350P-629)
- Stainless to PVC Vent Adapter (6” - Part # 7350P-275, 8” Part # 7350P-375)



MODEL	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	Q
MODCON1000	72-1/2"	20-1/2"	36"	13-3/4"	8-3/8"	46"	6"	13-5/8"	14-1/2"	33-1/4"	43-3/4"	66-3/4"	63-1/4"	43-3/8"	72"	10-5/8"
MODCON1700	72-1/2"	20-1/2"	36"	13-3/4"	8-3/8"	64-1/2"	8-1/4"	20"	18-3/4"	43-1/2"	62-3/8"	88-1/2"	63-1/4"	59"	73-1/2"	10-5/8"

NOTE: ALL DIMENSIONS ARE APPROXIMATE AND HEIGHTS DO NOT INCLUDE ADJUSTABLE LEGS.

MODEL	BTU/HR INPUT LOW FIRE	GROSS OUTPUT BTU/HR	NET I=B=R BTU/HR	THERMAL EFFICIENCY	BOILER WATER (GAL.)	SUPPLY/RETURN CONNECTION	GAS CONNECTION	VENT DIA.	SHIPPING WEIGHT
MODCON1000	100,000	1,000,000	818,000	92	8.4	3"	2"	6"	1010
MODCON1700	170,000	1,700,005	1,390,000	92	11.6	3"	2-1/2"	8"	1160

LP-428-C  
05/03/13