
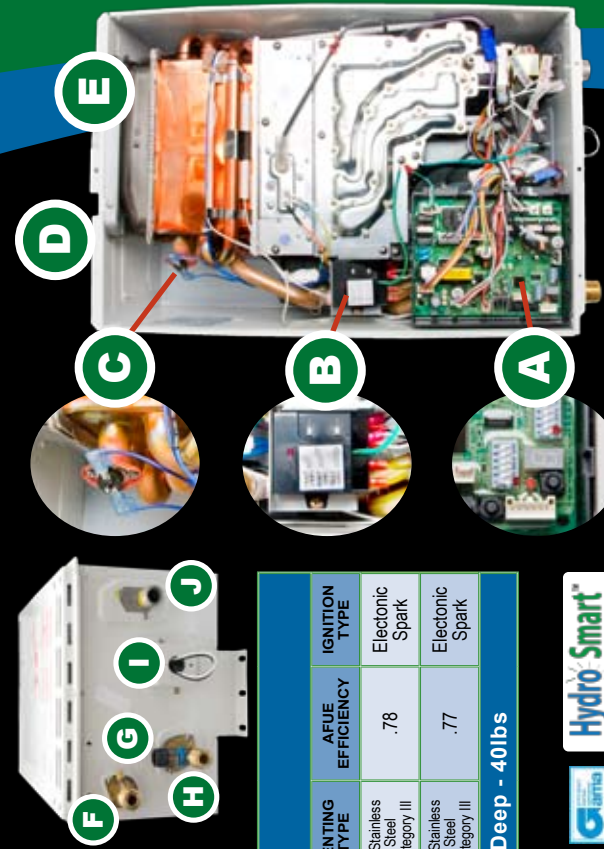


SIZING GUIDE for Hydro Smart 170 Gas Micro-Boiler

1. Choose your Application & Temp	<ul style="list-style-type: none"> Garage Post Frame 	<ul style="list-style-type: none"> Whole House Sun Room Garage Post Frame 	<ul style="list-style-type: none"> Basement 
2. Choose your Square Footage	50° F Operation 	70° F Operation 	70° F Operation 
300	NA	NA	NA
600	NA	NA	NA
900	<p style="text-align: center;">HS170-LP SKU# 665-1005</p> <p style="text-align: center;">AND</p> <p style="text-align: center;">HS170-NG SKU# 665-1004</p>		
1200			
1500			
1800			
2100			
2400			
2700			
3000			
3300			
3600			
3900			
4200			
4500			



- A** - Trouble Shooting Code Detector
- B** - Fluid Temperature Settings
- C** - Fluid Over-Heating Protection
- D** - 3" Direct Intake (Optional)
- E** - Flue Exhaust
- F** - 3/4" Hot Fluid Supply
- G** - Debris Screen
- H** - 3/4" Cold Fluid Return
- I** - 120 Volt Power
- J** - 3/4" Gas Connection

HYDRO SMART 170									
MODEL	SKU	VOLTS	AMPS	BTU OUTPUT	WATER DELIVERY TEMP. RANGE	GAS LINE MIN. SIZE	VENTING TYPE	AFUE EFFICIENCY	IGNITION TYPE
HS170NG	665-1004	120	1	11,000-168,000	104° - 185° F	3/4"	4" Stainless Steel Category III	.78	Electronic Spark
HS170LP	665-1005	120	1	11,000-168,000	104° - 185° F	3/4"	4" Stainless Steel Category III	.77	Electronic Spark

MICRO BOILER SIZE - 13.8" Wide x 20.5" High x 8.5" Deep - 40lbs



Hydro Smart 170

Modulating High-Temp Low-Flow Space Heating Gas Micro-Boiler (Not For Potable Water)



The Hydro Smart 170 Gas Micro-Boiler is a compact and powerful residential unit with a versatile BTU modulating range.

Emitter Types

- Water Fan Coils • Tubing: Staple Up, Staple Down, Embedded Concrete

Features

- Power Vent • Wall Hung: 20.5"H x 13.8"W x 8.5" D (40 lbs)
- BTU Modulation Output Range 11,000-168,000
- Flow Activated: .75 GPM • Copper Heat Exchanger • No Pilot Light
- Electronic Ignition • Energy Factor: .84 NG, .86 LP
- 4" Category III Stainless Steel Direct or Top Vent up to 50'
- Temperature Range: 104° - 185° F

Micro-Boilers & Hydro Smart Integrator Panels sold separately. Guide is based on insulating to a R19 in walls, R38 in ceilings, maximum 12 ft sidewalls, with 2" of extruded styrene insulation around perimeter & under slab emitter and/or 3-1/2" of fiberglass insulation for staple up emitter. For more accurate sizing, a BTU heat loss of the heated space should be considered.

ALWAYS CHECK WITH & FOLLOW LOCAL CODES



ONE ZONE INTEGRATOR PANEL

Low Temperature

Primary Secondary Panel

Model # HSPS120LT (shown below)

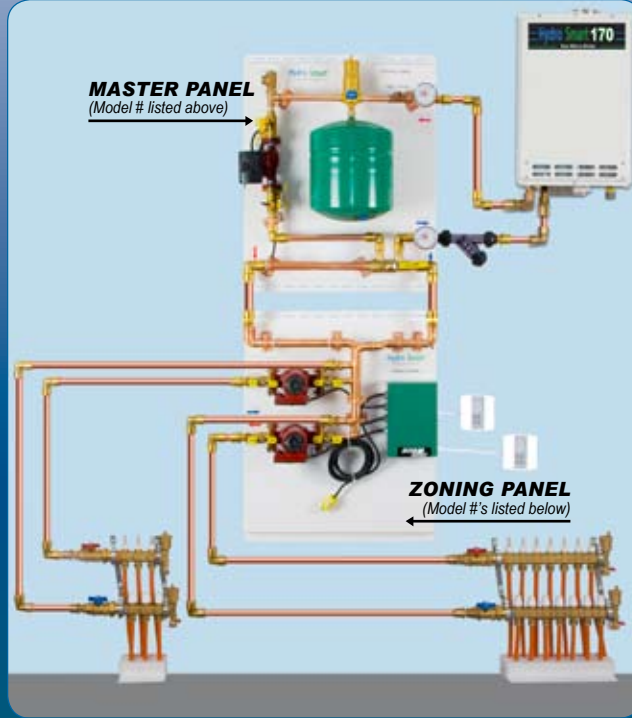


ZONING BY PUMP

Low Temperature

Zone by Pump Master Panel

Model # HSPS120MPL (shown below)

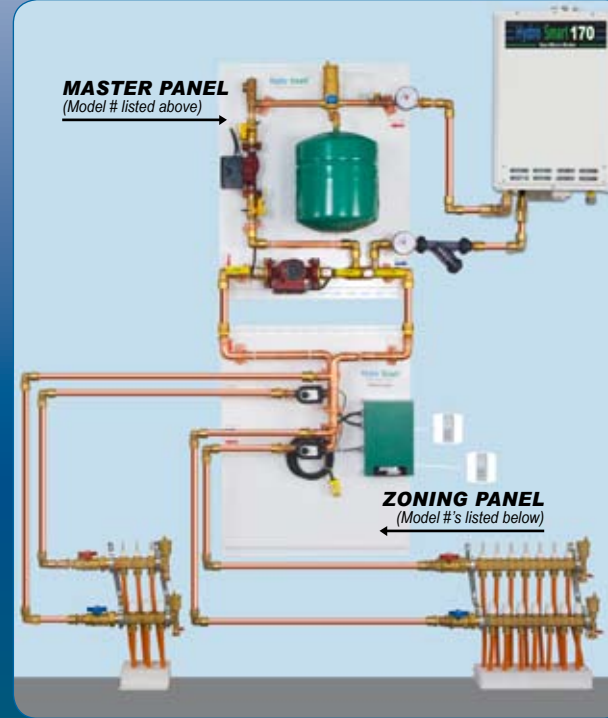


ZONING BY ZONE VALVE

Low Temperature

Zone by Zone Valve Master Panel

Model # HSPS120MZL (shown below)



ZONING BY TELESTAT

Low Temperature

Zone by Telestat Zoning Panel 1 to 4 Zones

Model # HSPS120MTL (shown below)



INTEGRATOR PANELS HELP MAKE RADIANT HEAT *easy & reliable*

- Constructed with top quality materials, including heavy duty type L copper pipe and a powder coated panel.
- Engineered and proven panel design uses professional hydronic practices.
- By working smarter not harder, a pre-assembled panel saves job site labor expense and time.
- With nothing extra and nothing spared on each panel, every component is there to help ensure your system provides years of trouble free operation.

1 TEMPERATURE ZONE BY PUMP PANEL

2 Zone Model # HS1T2ZPMP (shown above)

3 Zone Model # HS1T3ZPMP

4 Zone Model # HS1T4ZPMP

2 TEMPERATURE ZONE BY PUMP PANEL

2 Temperature panels have a mixing valve

2 Zone Model # HS2T2ZPMP

3 Zone Model # HS2T3ZPMP

4 Zone Model # HS2T4ZPMP

1 TEMPERATURE ZONE VALVE PANEL

2 Zone Model # HS1T2ZZV (shown above)

3 Zone Model # HS1T3ZZV

4 Zone Model # HS1T4ZZV

2 TEMPERATURE ZONE VALVE PANEL

2 Temperature panels have a mixing valve

2 Zone Model # HS2T2ZZV

3 Zone Model # HS2T3ZZV

4 Zone Model # HS2T4ZZV



Hydro Smart 170 micro-boilers

are compact, efficient, and a great value. Gas micro-boilers

don't require large electrical needs yet they produce a tremendous amount of BTU's.

When venting and piping of a gas supply is an option, gas may be a great choice.

Note: Micro-Boilers, Integrator Panels, thermostats, manifolds, pipe and accessories are all sold separately.