



B-1

**Product Submittal for Hi Delta®- Type H  
Heating Boiler  
Models 992C-2342C**

Date: \_\_\_\_\_ Job: \_\_\_\_\_ Location: \_\_\_\_\_  
Equipment Tags: \_\_\_\_\_ Engineer: \_\_\_\_\_ Contractor: \_\_\_\_\_  
Model: \_\_\_\_\_ Notes: \_\_\_\_\_  
Prepared by: \_\_\_\_\_ Indoor ☐ Outdoor ☐ Gas Type: Natural Gas ☐ Propane ☐

100% Factory fire-tested

Thermal efficiency: 84%

Versa IC® Controller with LCD display

Maximum setpoint: 220°F (104°C)

Maximum outlet temperature: 240°F (116°C)

Minimum non-condensing inlet temperature: 105°F (41°C)

Thermal shock proof heat exchanger

Limited 20-year thermal shock warranty

Limited 5-year heat exchanger warranty

Full safety diagnostics with fault history

Polytuf powder-coated cabinet

No combustible floor shield required

Fan-assisted

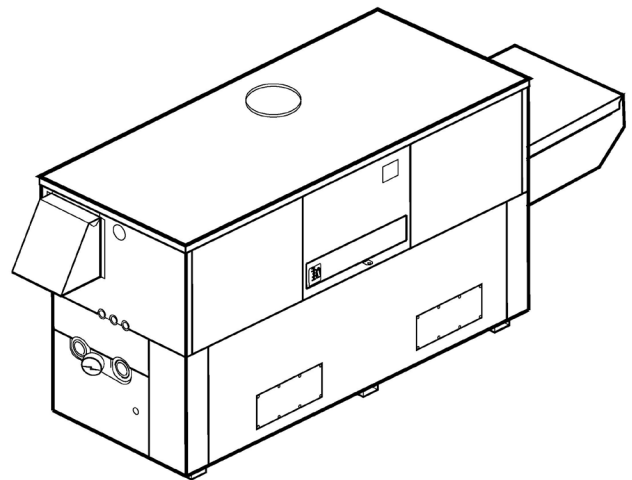
Patented burner security blanket

Cascade up to 8 heaters – no external sequencer needed

Cascade in parallel or sequential modulation modes

SCAQMD Rule 1146.2 certified, Low NOx < 20 ppm  
(992C-2002C)

Proudly assembled in the USA



## Features and Options

### Heat Exchanger

- Headers
  - ☐ Glass-lined cast iron (standard)
  - ☐ A-1 Bronze (optional)
- ASME H Stamped; 160 PSIG MAWP
- National board registered
- Fin tubing
  - ☐ Copper (standard)
  - ☐ A-3 Cupronickel
- ASME steel tube sheet
- Silicone high temp. O-rings
- ASME Pressure relief valve
  - ☐ 60 PSIG (standard)
  - ☐ \_\_\_\_ PSIG (optional)
- T&P Gauge
- Water connections
  - ☐ Left hand (standard)
  - ☐ A-6 Right hand

### Power

- 120V, 60Hz, 1Ø, Power supply
- 120/24V, 60Hz, Transformer

### Control

- Versa IC® Integrated control
- 100% Shutoff/lockout
- Hot Surface Ignition (HSI)
- Cascade up to 8 heaters
- Parallel and sequential modulation cascade modes
- Water temperature sensors 10kΩ (2 mtd, 3 loose, 1 well)
- Ignition Module
  - ☐ 3-Try (standard)
  - ☐ C-6 Single-try
- Remote flame sensor
- High limit, manual reset, fixed 240°F (104°C)
- On/off power switch
- Flow switch
- Blocked vent pressure switch
- Combustion air proving switch
- Programmable pump time delays
- Pump outputs
  - Boiler
  - System-pilot duty
  - DHW indirect-pilot duty

- Enable/disable
- LCD Display; status, fault and diagnostics
- Modbus RTU BMS Port (Up to 115K baud rate, see Cat. 5000.73)
  - ☐ B-85 – BMS Gateway – BACnet MS/TP, BACnet IP, N2 Metasys or Modbus TCP
  - ☐ B-86 – BMS Gateway – LonWorks
- Cold water protection function
  - ☐ CWR Variable-speed pump
  - ☐ CWS Proportional valve

### Gas Train

- Manual gas shutoff valve(s)
- Combo valve(s)
- Firing mode
  - ☐ H8 3-Stage (model 992C only)
  - ☐ H9 4-Stage (models 1262C-2342C)
- Fuel
  - ☐ Natural gas
  - ☐ Propane gas (minimum grade HD-5, excludes model 2002C)
  - ☐ G-20 4" W.C. NAT supply pressure
- Design Certified - ANSI Z21.13/CSA 4.9

### Construction

- Indoor/outdoor construction
- Front controls enclosed
- PolyTuf Powder Coat Finish CSA Low-Lead Certified (≤ .25% Lead)

### Venting

- Vent location
  - ☐ Top (standard)
  - ☐ D-14 Rear flue exhaust tee
- Vent termination cap
  - ☐ D-11 Vent termination, outdoor
  - ☐ D-15 Vent termination, sidewall (Cat III)
  - ☐ Indoor, vertical (by others)
- Combustion air
  - ☐ D-16 Air intake elbow
  - ☐ D-17 In-line filter kit (TruSeal only)

- ☐ D-12 Barometric damper w/o thermostswitch
- ☐ D-18 Boiler vent adapter (Cat III & IV)
- ☐ D-19 Vent termination cap adapter (Cat III & IV)
- ☐ D-20 Vent termination vertical (Cat I)
- ☐ D-21\* Truseal direct vent air intake (factory-installed)
- ☐ D-22\* Truseal direct vent air intake (field-installed) (\*must be used with D-17 inline filter kit)
- ☐ D-23 Outdoor vent supports
- ☐ D-37 Motorized combustion damper

### Options

- ☐ A-20 30 PSIG MAWP
- ☐ B-32 Outdoor air sensor
- ☐ B-65 Indirect tank Aquastat control
- ☐ E-5 Alarm with 4" bell
- ☐ F-10 Low water cut-off, remote probe
- ☐ I-1 High limit control, auto reset 240°F (115.6°C) max
- ☐ I-2 High limit, manual reset, 240°F (115.6°C) max
- ☐ I-5 High limit, manual reset, 200°F (93.3°C) max
- ☐ I-13 High limit, auto reset, 200°F (93.3°C) max
- ☐ P \_\_\_\_ Pump: \_\_\_\_ HP, 120V, 1Ø, 60Hz
  - ☐ Bronze ☐ Cast Iron
  - ☐ Mounted ☐ Loose
  - ☐ Front ☐ Rear
- ☐ S-1 Low gas pressure switch, manual
- ☐ S-2 High gas pressure switch, manual
- ☐ X-1 SureRack® Kit
- ☐ X-2 SureRack Add-on
- ☐ X-3 SureRack restraint brackets
- ☐ Z-4 T&P relief valve
- ☐ Z-9 Thermometer
- ☐ \_\_\_\_\_

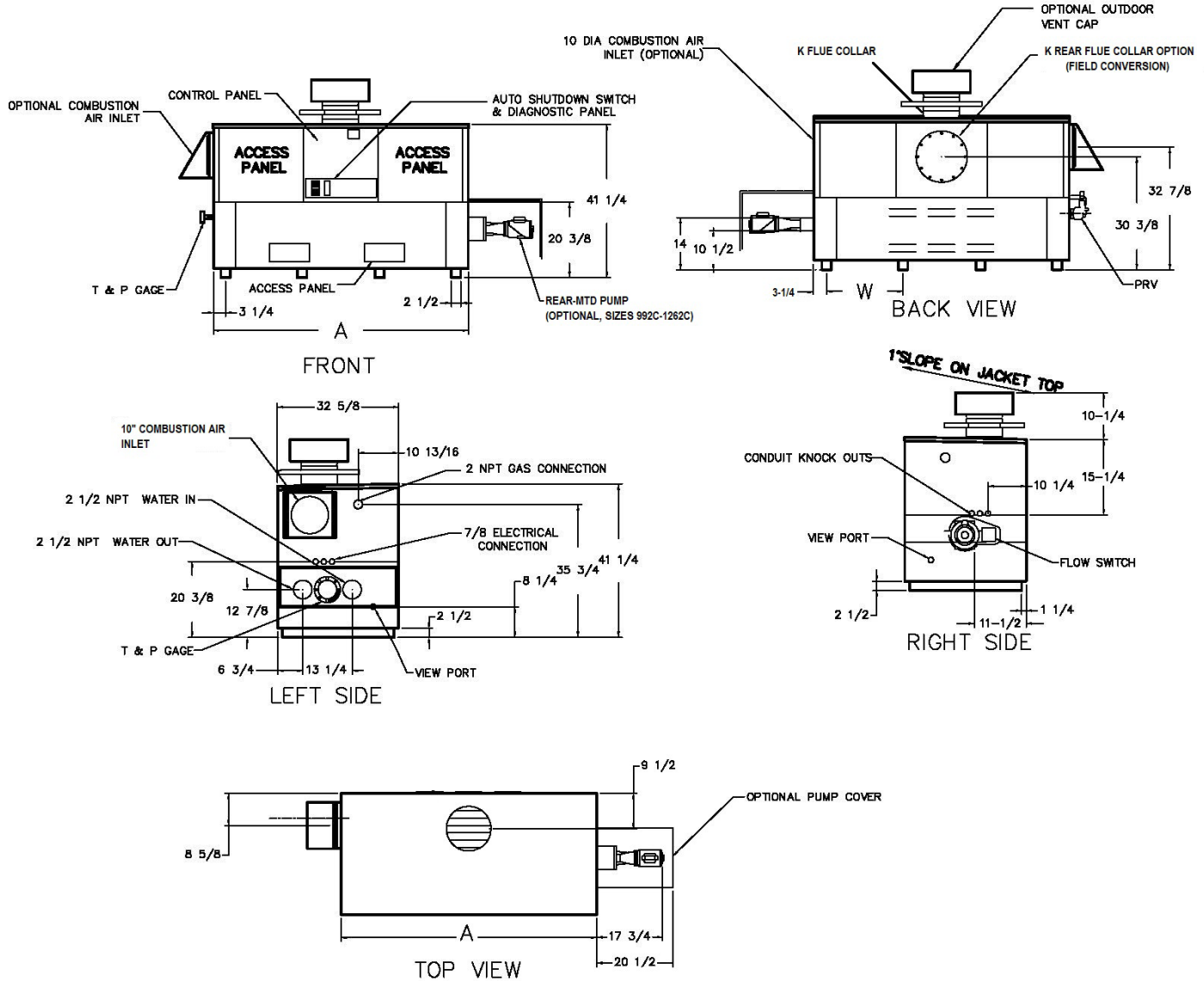
### Additional Options or Accessories

- ☐ \_\_\_\_\_

### Multi-Boiler Temperature Controllers

- ☐ TempTracker Mod+ Hybrid
- ☐ B-36, 2-4 Heaters
- ☐ B-37, 5-10 Heaters
- ☐ B-38, 11-16 Heaters
- ☐ B-39\* EMS 4-20 mA remote setpoint interface module
- ☐ B-62\* BACnet MS/TP Interface (\*requires B-36 to B-38)

Job: \_\_\_\_\_



SPECIFICATIONS								
Model	MBTUH (kW)		Dimensions - inches (mm)					
	Input	Output	Firing Stages	A Width	Flue Collar K	W	Amp. Draw*	Approx. Shipping Wt. Lbs. (Kg)
<input type="checkbox"/> 992C	990 (290)	832 (244)	3	57-1/8 (1451)	10 (254)	16-13/16 (427)	<12	900 (408)
<input type="checkbox"/> 1262C	1260 (369)	1058 (310)	4	68-1/2 (1740)	12 (305)	20-9/16 (522)	<12	1010 (458)
<input type="checkbox"/> 1532C	1530 (448)	1285 (377)	4	79-7/8 (2029)	12 (305)	24-3/8 (619)	<12	1225 (556)
<input type="checkbox"/> 1802C	1800 (528)	1512 (443)	4	91-1/8 (2315)	14 (356)	28-1/8 (714)	<12	1350 (612)
<input type="checkbox"/> 2002C	1999 (586)	1679 (492)	4	102-1/2 (2604)	14 (356)	31-15/16 (811)	<12	1450 (658)
<input type="checkbox"/> 2072C	2070 (607)	1739 (510)	4	102-1/2 (2604)	14 (356)	31-15/16 (811)	<12	1450 (658)
<input type="checkbox"/> 2342C	2340 (686)	1966 (576)	4	113-7/8 (2892)	16 (406)	31-15/16 (811)	<12	1520 (689)

\*Without pump

**NOTES:**

- 1.Rates shown are for natural or propane gas, and elevations up to 4,500 feet (1372 m). De-rate above 4,500 ft.
- 2.Required natural gas pressure is 5.6" – 10.5" (178 - 267) WC. Required propane gas pressure is 11 - 13" (279 - 330) WC.

RATES OF FLOW AND PRESSURE DROPS										
Model	20°F ΔT		30°F ΔT		Maximum Flow			Minimum Flow*		
	GPM (L/min)	ΔP (FT.)	GPM (L/min)	ΔP (FT.)	GPM (L/min)	ΔP (FT.)	ΔT °F (°C)	GPM (L/min)	ΔP (FT.)	ΔT °F (°C)
<input type="checkbox"/> 992C	84 (318)	5.6	56 (212)	2.5	43 (163)	1.5	39 (21.6)	132 (500)	14	13 (7.2)
<input type="checkbox"/> 1262C	107 (406)	10	71 (269)	4.5	54 (205)	2.6	39 (21.6)	132 (500)	15.5	16 (8.8)
<input type="checkbox"/> 1532C	130 (493)	16	86 (326)	7.1	66 (250)	4.1	39 (21.6)	132 (500)	16.5	20 (11.1)
<input type="checkbox"/> 1802C	N/A	N/A	102 (387)	10.8	78 (296)	6	39 (21.6)	132 (500)	18	23 (12.7)
<input type="checkbox"/> 2002C	N/A	N/A	113 (428)	14	86 (326)	8.1	39 (21.6)	132 (500)	19.5	26 (14.4)
<input type="checkbox"/> 2072C	N/A	N/A	117 (443)	15	89 (337)	8.7	39 (21.6)	132 (500)	19.5	27 (14.9)
<input type="checkbox"/> 2342C	N/A	N/A	132 (500)	21	101 (383)	12	39 (21.6)	132 (500)	21	30 (16.6)

\*Basis is 40°F ΔT for minimum flow, 132 GPM for maximum flow.