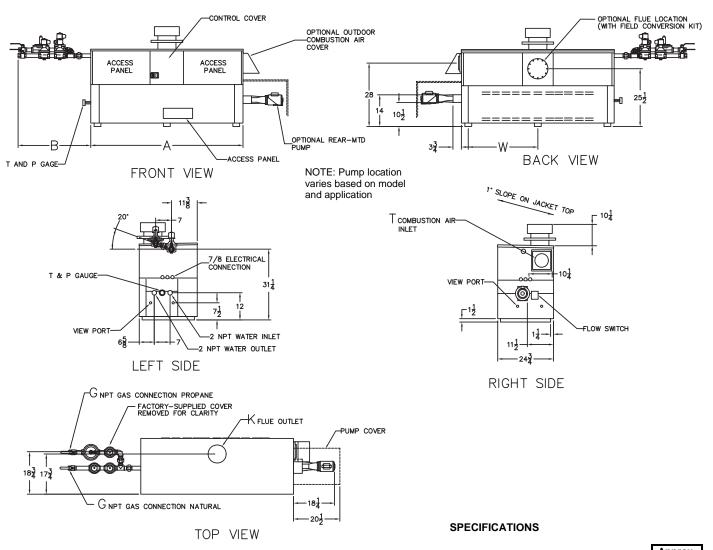
Job:		Hi Delta®	Flex	«Gas® - Type H
Engineer:		Б	)ual-Fı	uel Hot Water Boilers
Contractor:		_		lodels 302BD-902BD
Preparer: D	ate:			
Model: In	door/Outdoor:		ME	BTUH Input:
Fast, Economical Natural-to-Propare 100% Factory Fire Tested 84% Efficiency Maximum Outlet Temperature: 230° Minimum Non-Condensing Inlet Temperature Thermal Shock Proof Heat Exchange Limited Twenty-Year Thermal Shock Diagnostic Center with Fault Histor PolyTuf Powder Coated Cabinet No Combustible Floor Shield Requires Fan-Assisted Low NOx Burners Patented Burner Security Blanket	F mperature: 105° ger k Warranty y ired			Patent Nos. 6,904,873 & 7,044,124; other patents pending
Heat Exchanger  H Stamp  Headers  Glass-Lined Cast Iron – Standard  Bronze – Option A-1  ASME Inspected and Stamped 160 PSIG Working Pressure  National Board Approved  Fin Tubing  Copper – Standard  Cupro Nickel – Option A-3  ASME Steel Tube Sheet  Silicone High Temp. O-Rings  ASME Pressure Relief Valve  45 PSIG – Standard on Models 302BD and 402BD  60 PSIG – Standard on Models 502BD-902BD  PSIG – Optional  Temperature and Pressure Gauge  Water Connections  Left – Standard  Right – Option A-6  Controls  120V, 60Hz, 1∅ Power Supply  120/24V 60Hz Transformer  100% Shut-Off/Lockout  Hot Surface Ignition  Remote Flame Sensor  High Limit Control, Manual Reset  On/Off Power Switch  Manual Shut-Off, Front-Mounted  Flow Switch  Blocked Vent Pressure Switch  Combustion Air Proving Switch  Economaster Pump Time Delay  Enable/Disable	■ Gas Pressure ■ Safety Shut-C ■ Firing Contro ■ Firing Mode □ On/Off (H. ■ 402BD □ 2-Stage (H. ■ 302BD-90 ■ Natural/Propa ■ Design Certif CSA 4.9 ■ Gas Connect □ Left – Sta □ Right – Op ■ Construction ■ Indoor/Outdo ■ Enclosed Fro  Venting ■ Vent Location □ Top – Sta □ Rear – Op ■ Vent Termina □ Outdoor Holloor, Vent Indoor, Vent Indoor, Vent Indoor, Vent Indoor, Vent Combustion Ventor	Off Valve I Valve 8): Models 302BD, H9): Models 02BD ane Gas ied ANSI Z21.13/ ion ndard ption Z-1 or Construction ont Controls  n Indard otion D-14 ation Cap D-11 orizontal D-15 ertical (by others) Air Elbow D-16 optional	Tempera	ture Controls Tankstat, Single-Stage (100-200°F) Tankstat, 2-Stage (100-200°F) Aquastat, 2-Stage (100-200°F) TempTracker Digital Controller, 2-Stage TempTracker Digital Controller, 4-Stage Electronic Sequencer, 4-Stage Electronic Sequencer, 8-Stage  Ignition Module, Manual Reset TruSeal® Direct Vent Low Water Cut-Off, Remote Probe High Limit Control, Auto Reset Pump: HP, 120V, 1∅, 60Hz Water Hardness: GPG Cast Iron



## Hi Delta FlexGas – Type H Models 302BD-902BD





										Approx.		
	MBTUH		Α	В	G		Н	K	Т	W	Amp.	Shipping
Model	Input	Output	Width		Nat	Pro	NPT				Draw*	Wt. (Lbs)
302BD	300	252	36	41	1-1/4	3/4	2	5	6	18	6	405
402BD	399	335	43	41	1-1/4	3/4	2	6	6	18-1/2	6	470
502BD	500	420	50	35-1/2	1-1/4	3/4	2	6	6	22	6	570
652BD	650	546	60-1/2	30-1/2	1-1/4	3/4	2	8	6	27-1/4	6	615
752BD	750	630	67-1/2	27-1/2	1-1/4	1-1/4	2	8	6	30-3/4	6	700
902BD	900	756	78	34-1/2	1-1/4	1-1/4	2	8	6	36	7	765

\* Without pump

## **RATES OF FLOW AND PRESSURE DROPS**

	10°	F ΔT	20°F ΔT		30°F ∆T		Min. Flow			Max. Flow		
Model	GPM	ΔP (ft)	GPM	ΔP (ft)	GPM	ΔP (ft)	GPM	ΔP (ft)	ΔΤ	GPM	ΔP (ft)	ΔΤ
302BD	51	3.2	25	<1.0	N/A	N/A	20	<1	25	90	9.8	6
402BD	68	5.4	34	1.5	22	<1	20	<1	34	90	10.0	7
502BD	85	9.2	42	2.3	28	1.1	21	<1	40	90	10.5	9
652BD	N/A	N/A	55	4.0	36	1.8	28	1.1	40	90	10.7	12
752BD	N/A	N/A	64	5.5	42	2.5	32	1.6	40	90	11.0	14
902BD	N/A	N/A	76	8.5	51	3.8	38	2.2	40	90	11.8	17

Basis is 20 GPM or 40°F  $\Delta T$  for minimum flow, 90 GPM for maximum flow.

## NOTES:

- 1. Dimensions are in inches
- Rates shown are for natural or propane gas, and elevations up to 5,000 feet. For installation above 5,000 feet, please contact manufacturer.
- Required natural gas supply pressure is 7 10.5" WC. Required propane gas supply pressure is 11 - 13" WC.

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