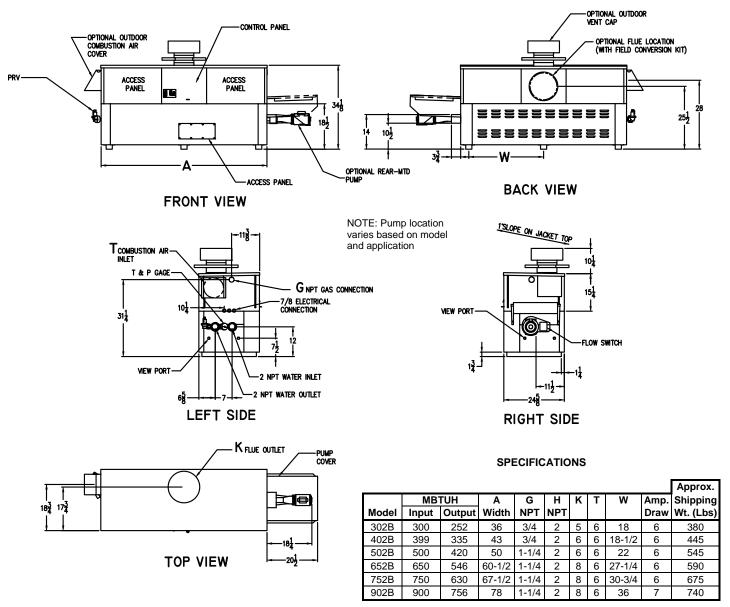
Job: Engineer: Contractor: Prepared By: Model:	Date:	Widueis 302D-902L					
<ul> <li>100% Factory Fire Tested</li> <li>Efficiency: 84%</li> <li>Maximum Outlet Temperature: 2</li> <li>Minimum Non-Condensing Inlet</li> <li>Thermal Shock Proof Heat Excha</li> <li>Limited Twenty-Year Thermal Sh</li> <li>Limited Ten-Year Closed-System Warranty</li> <li>Diagnostic Center with Fault His</li> <li>PolyTuf Powder Coated Cabinet</li> <li>No Combustible Floor Shield Re</li> <li>Fan-Assisted</li> <li>Patented Burner Security Blanke</li> </ul>	Temperature: 105°l anger lock Warranty n Heat Exchanger tory quired						
Heat Exchanger  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 302B and 402B 60 PSIG – Standard on Models 502B-902B 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 Train  Manual Gas Shu Gas Pressure Re Safety Shut-Off V Firing Control Va Firing Mode On/Off (H4): I 302B and 402 2-Stage (H3): 302B-902B Fuel Natural Gas Propane Gas 4" WC Gas S G-20 Design Certified CSA 4.9  Construction Indoor/Outdoor C Enclosed Front C Venting Vent Location Top - Standa Rear - Option Vent Termination Outdoor D-1' Indoor, Vertic Combustion Air In-Line Filter I D-17 Air Intake Elb Extractor - Optio By others Not required	t-Off Valve(s) egulator /alve live  Models 2B Models Upply Pressure  ANSI Z21.13/  Construction Controls  ard D-14 Cap 1 Cap 1 Cap 1 Cap 1 Charles Contal D-15 Cal (by others)  Kit (TruSeal only)  OW D-16	Temperature C	stat, Single-Stage 200°F) stat, 2-Stage (100-200°F) stat, 2-Stage (100			





Dimensions are in inches.

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

	10°F ΔT		20°F ΔT		30°F ΔT		Min. Flow		Max. Flow			
Model	GPM	ΔP (ft)	GPM	ΔP (ft)	GPM	ΔP (ft)	GPM	ΔP (ft)	ΔΤ	GPM	ΔP (ft)	ΔΤ
302B	51	3.2	25	<1.0	N/A	N/A	20	<1	25	90	9.8	6
402B	68	5.4	34	1.5	22	<1	20	<1	34	90	10.0	7
502B	85	9.2	42	2.3	28	1.1	21	<1	40	90	10.5	9
652B	N/A	N/A	55	4.0	36	1.8	28	1.1	40	90	10.7	12
752B	N/A	N/A	64	5.5	42	2.5	32	1.6	40	90	11.0	14
902B	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. Rates shown are for natural or propane gas, and elevations up to 5,000 feet. For installation above 5,000 feet, please contact manufacturer.

2. Required natural gas pressure is 7 – 10.5" WC. Required propane gas pressure is 11 - 13" WC.

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