

Direct Contact Water Heater - Gas Train Long-Lead Release



Project Number:	35211	Release Date:	5/23/2025
Project Name:	Rosina Foods	Ship Date:	
City & State:	Buffalo, NY	Project Engineer:	Andy Rzonca
Description:		Plant Voltage:	460 V 3 Φ 60 Hz
Site Elevation:	600 ft above sea level	Water Pressure:	Temp: 40 °F
DCWH Model:	TE-100	Fuel Type:	NG
Rating:	9.0 MBtu/hr	Press:	2.0 psi

PICK LIST (Only items with quantities will print)								Total Cost: \$3,479	
LL	SL	Qty	Part No.	Description	Unit Cost	Data 1	Data 2	Data 3	Data 4
		1	REF	9.0 MBTU		9900 SCFH	Single	US	Non-FGR
		1	REF	1/2" Pilot Line		Single Burner, EB-7			
●		1	609-02-010	1-1/2" Double Valve Body	\$470	VGD20.403U			9-10 MBTU
●		2	609-02-011	2" NPT Flanges	\$94				
●		2	609-02-021	NEMA 4 Kit	\$43				
●		1	609-02-016	Shut off Valve Actuator with Reg., POC, Aux Switch	\$550				
●		1	609-02-017	Shut off Valve Actuator with POC, Aux Switch	\$373				
●		1	640-02-003	Yellow Spring 6-48" W.C. Outlet	\$13				
●		1	640-02-004	Damping Orifice	\$24				
		1	614-01-025	2" Brass Ball Valve	\$64	Single Burner			
		1	614-01-041	1/2" Brass Ball Valve for pilot line	\$11				
		1	575-01-089	½" Gas Press. Regulator, Maxitrol 325-5	\$76	Tested to:	10 psi	CSA Rated:	2 or 5 psi
		2	600-07-082	½" Valve, Solenoid, ASCO #8215G020	\$165	Use with single burner, EB7			
		1	501-03-054	Air Pressure Switch, Siemens, Auto Reset, 0.8-4"WC	\$53	Range:	0.1" - 4"		
		1	501-03-051	Low Gas Pressure Switch with manual reset	\$59	One per burner			
●		1	501-03-052	High Gas Pressure Switch with manual reset	\$59	One per burner			
		1	REF	Standard FARC Actuator Set for USA		Needed for FGR, EB-7, or Dual Burner (TE only)			
		2	590-01-013	Siemens Air/Gas Damper Actuator #SQM41.254R11	\$373				
		1	590-01-013A	Siemens Actuator Mounting Bracket	\$27				
		1	1062595	Side Bracket (SQM50:1)	\$234				
		1	589-01-001	Crank Arm Assembly, Honeywell #7616BR	\$30				
		1	581-01-003	6000V Ignition Transformer, Allanson #1092-S	\$86				

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PICK LIST (Only items with quantities will print) Total Cost: \$18,251

LL	SL	Qty	Part No.	Description	Unit Cost	Data 1	Data 2	Data 3	Data 4
		1	NA	Heater Shell		304		11	54.625
		60	840-01-002	Packing Rings	\$40				
●		1	304-12-72-171	Heater Shell Sheet 1 (Bottom)	\$1,154	304	12	72	171
●		1	304-14-60-171	Heater Shell Sheet 2	\$543	304	14	60	171
●		1	304-14-60-164.25	Heater Waterwall Sheet	\$522	304	14	60	164.25
		1	890-01-012	Burner, Maxon EB-7	\$2,838	7.0+	Mbtu/hr		
●		1	892-01-040	10 hp, Blower, CWBH, NYB #1808A	\$3,044		9 Mbtu/hr		
		1	1019732	7.0-12.0 MBtu/hr Blower-to Burner Transition	\$439				
●		1	720-03-179	Spray Nozzle, BETE, SCF95W - SS - 3in	\$589	112 gpm	136 gpm	156 gpm	228 gpm
		1	625-02-039	Pressure Gauge, 0-100 psi, ¼" center back conn.	\$49				
		2	670-01-006	Thermometer, 0-250°F, ½" cb conn.	\$8				
		1	501-01-036	Pressure Switch, Numeric Display, 36.3 PSI Range	\$268				
		1	504-02-016	Right Angle Connector for Pressure Switch	\$32				
		1	672-02-002	1½" Thermocouple, Type J	\$21				
		1	672-02-003	4" Thermocouple, Type J	\$24				
		1	672-02-013	12" Thermocouple, Type J	\$32				
		1	REF	Temperature Switch, 65-200°F with SS Well (NSF)					
		1	502-01-003	Temperature Switch, 65-200°F	\$127				
		1	671-01-005	½" Well for Temperature Switch, SS	\$188				
		1	502-01-005	"C" Clip for Temperature Switch	\$3				
		2	1052510	Sight Glass Assembly NSF	\$160				
		8	622-01-001	⅝" Sight glass, PVC	\$0				
		2	500-06-016	Float Switch	\$15				
		1	501-11-028	Heater IFM Inlet Pressure Transducer	\$197	0-58psi			
		1	501-11-059	Connector for Inlet Pressure Transducer	\$92				
		1	501-06-022	M12 Connector	\$11				
		1	1055501-5	Heater IFM Pressure Transducer Assembly NSF	\$217				
●		1	680-02-020	3" Wye Strainer, Epoxy Coated	\$755				
		1	1035853	24" Dia x 10' L, FOE, Stack Section	\$488				
		1	1048136	24" Dia x 10' L, FBE, Stack Section	\$1,423				
		1	1051934	24" Dia x 15' L, FBE, Stack Section	\$1,750				
		1	1058850	24" LP Stack Cap	\$654				
	1	1	525-29-043-SL	THERMOCOUPLE WIRE, SHIELDED, 20A, 200'	\$25				