

Bruest Catalytic Heaters STAINLESS STEEL MODELS

CSA Approved for Class I, Division 1 or 2, Group D Applications

Natural Gas (NG)				Liquid Propane Gas (LP)			
Heater Model	BTU/hr Input	CU Ft/Hr	Orifice	Heater Model	BTU/hr Input	CU Ft/Hr	Orifice
Round Heaters				Round Heaters			
SR 8	2,500	2.5	#69	SR 8	1,745	.7	#79
SR 12	5,000	5.0	#57	SR 12	3,920	1.6	#74
Square & Rectangular (1,500 to 6,000 BTU)				Square & Rectangular (1,250 to 5,000 BTU)			
S 6-6	1,500	1.5	#72	S 6-6	1,250	0.5	#80
S 8-8	2,600	2.7	#67	S 8-8	2,200	0.9	#77
S 6-12	3,000	3.0	#65	S 6-12	2,500	1.0	#77
S10-12	5,000	5.0	#58	S10-12	4,150	1.0	#74
S 6-24	6,000	6.0	#56	S 6-24	5,000	2.0	#72
S 12-12	6,000	6.0	#57	S 12-12	5,000	2.0	#72
Square & Rectangular (12,000 to 72,000 BTU)				Square & Rectangular (10,000 to 60,000 BTU)			
S 12-24	12,000	12.0	#53	S 12-24	10,000	4.0	#65
S 12-36	18,000	18.0	#44	S 12-36	15,000	6.0	#57
S 12-48	24,000	24.0	#38	S 12-48	20,000	8.0	#55
S 12-60	30,000	30.0	#36	S 12-60	25,000	10.0	#54
S 18-36	28,000	28.0	#39	S 18-36	22,500	9.0	#55
S 18-48	37,000	37.0	#33	S 18-48	30,000	12.0	#52
S 18-60	45,000	45.0	#31	S 18-60	37,500	15.0	#51
S 24-24	24,000	24.0	#45	S 24-24	20,000	8.0	#56
S 24-48	50,000	50.0	1/8	S 24-48	40,000	16.0	#49
S 24-60	60,000	60.0	#24	S 24-60	50,000	20.0	#46
S 24-72	72,000	72.0	#21	S 24-72	60,000	24.0	#44
* 2S24-24	48,000	24.0x2	#45(2)	*2S24-24	40,000	8.0X2	#56(2)
<p>* Special model manufactured by Reding Instrument Services Ltd. Additional Custom sizes available.</p>							

Bruest Catalytic Heaters SPECIFICATIONS

CSA Approved for Class I, Division 1 or 2, Group D Applications

	Model	Height	Heater Dimensions (inches)			Fuel Inlet NPT	Shipping Weight
			Width	Depth			
PHYSICAL SPECIFICATIONS	Round Heaters						
	SR 8	8.12	8.12	5.5	1/4"	6 lbs.	
	SR 12	12.12	12.12	6.0	1/4"	8 lbs.	
	Square & Rectangular (1,500 to 6,000 BTU)						
	S 6-6	6.12	6.12	6.0	1/4"	8 lbs.	
	S 8-8	8.12	8.12	6.0	1/4"	8 lbs.	
	S 6-12	6.12	12.12	6.0	1/4"	8 lbs.	
	S10-12	10.12	12.12	6.0	1/4"	11 lbs.	
	S 6-24	6.12	24.12	6.5	1/4"	12 lbs.	
	S 12-12	12.12	12.12	6.0	1/4"	12 lbs.	
	Square & Rectangular (10,000 to 60,000 BTU)						
	S 12-24	12.12	24.12	6.5	1/4"	17 lbs.	
	S 12-36	12.12	36.12	6.5	1/2"	23 lbs.	
	S 12-48	12.12	48.12	6.5	1/2"	38 lbs.	
	S 12-60	12.12	60.12	6.5	1/2"	42 lbs.	
	S 18-36	18.12	36.12	6.5	1/2"	40 lbs.	
	S 18-48	18.12	48.12	6.5	1/2"	50 lbs.	
	S 18-60	18.12	60.12	6.5	1/2"	55 lbs.	
	S 24-24	24.12	24.12	6.5	1/4"	31lbs.	
	S 24-48	24.12	48.12	6.5	1/2"	62 lbs.	
S 24-60	24.12	60.12	6.5	1/2"	68 lbs.		
S 24-72	24.12	72.12	6.5	1/2"	74 lbs.		
2S24-24	48.24	24.12	6.5	1/4"	65 lbs.		
	Model	12 VDC	Amperage Required			Single Element	Double Element
			120VAC	208VAC	240VAC	480VAC	
ELECTRICAL SPECIFICATIONS	Round Heaters						
	SR 8	12.5	1.25	---	---	---	-X-
	SR 12	15.0	1.5	---	---	---	-X-
	Square & Rectangular (1,500 to 6,000 BTU)						
	S 6-6	12.5	1.25	---	---	---	-X-
	S 8-8	12.5	1.25	---	---	---	-X-
	S 6-12	13.3	1.3	---	---	---	-X-
	S10-12	15.0	1.5	---	---	---	-X-
	S 6-24	18.75	2.08	1.20	1.04	0.52	-X-
	S 12-12	15.0	1.5	---	---	---	-X-
	Square & Rectangular (12,000 to 72,000 BTU)						
	S 12-24	30.0	4.16	---	2.08	---	-X-
	S 12-36	30.0	4.16	3.60	2.08	1.56	-X-
	S 12-48	---	8.33	4.80	4.16	2.08	-X-
	S 12-60	---	10.41	6.00	5.20	2.60	-X-
	S 18-36	---	10.00	5.76	5.00	2.5	-X-
	S 18-48	---	12.50	7.20	6.24	3.32	-X-
	S 18-60	---	15.82	9.12	7.90	3.94	-X-
	S 24-24	30.0	8.32	4.80	4.16	2.08	-X-
	S 24-48	---	16.66	9.60	8.32	4.16	-X-
S 24-60	---	20.82	12.00	10.40	5.20	-X-	
S 24-72	---	25.0	14.42	12.5	6.24	-X-	
2S24-24	30.0 (2)	8.32 (2)	4.80 (2)	4.16 (2)	2.08 (2)	-X-	

Listing represents standard voltage and amperage. Others available.

Bruest Catalytic Heaters STANDARD EQUIPMENT

Included with all CSA Heaters.

PART NUMBER	PART NAME	PART DESCRIPTION	
701-068	3/8" NPT Maxitrol Appliance Regulator, 1/2 PSI maximum inlet, 3.5" WC / 10" WC outlet - Convertible (Farris)	Required on all CSA approved heaters. Accepts maximum 1/2 PSI input pressure and delivers correct fuel pressure as required by heater.	
701-069	1/4" NPT Maxitrol Appliance Regulator, 1/2 PSI maximum inlet, 3.5" WC outlet	Not required on LP fueled heaters.	
701-070	1/2" NPT Maxitrol Appliance Regulator, 1/2 PSI maximum inlet, 3.5" WC outlet		
834-077	1/4" NPT Safety Shut-off Valve, maximum 1/2 PSI inlet pressure	Required on all CSA approved heaters. On Start-up, prevents fuel flow until manually opened, held open by action of thermocouple.	
834-922	1/2" NPT Safety Shut-off Valve, maximum 1/2 PSI inlet pressure	In Operation, automatically closes when thermocouple senses loss of internal temperature.	
Special	3/8" NPT Safety Shut-off Valve, maximum 1/2 PSI inlet pressure		
170-003	4 Hole Explosion Proof Junction Box	Required on all CSA approved heaters.	
170-161	2 Hole Explosion Proof Junction Box	Convenient enclosure for electrical connections to heater.	
834-918	1/4" NPT Manual Shut-off Valve	Required on all CSA approved Bruest heaters.	
834-919	1/2" NPT Manual Shut-off Valve	Provides means to manually shut off fuel supply to heater.	
617-720	1/4" NPT Pressure Tap Tee	Required on all CSA approved Bruest heaters.	
617-740	1/2" NPT Pressure Tap Tee	Provides means for start-up and maintenance personnel to test fuel supply pressure under operating conditions.	
617-347	1/4" NPT Nipple	Required on all CSA approved Bruest heaters.	
617-896	1/2" NPT Nipple	Used in conjunction with Pressure Tap Tee.	
617-228	1/2" NPT Plug	Required on all CSA approved Bruest heaters.	
617-365	1/4" NPT Plug	Used in conjunction with Pressure Tap Tee.	
340-007	Instruction Sheet Available in English and French	Installation, operation and maintenance.	
771-010F	36" Thermocouple	Required on all CSA approved heaters. Senses internal temperature at catalyst pad.	
771-010FE	36" Thermocouple (Farris)	Connected to Safety Shut-off Valve.	
771-012F	18" Thermocouple		