

BRANT RADIANT

RE-VERBER-RAY

RADIANT GAS HEATERS®

HEATERS LIMITED

SERIES ● SV

SV SERIES

GAS-FIRED SINGLE STAGE UNITARY INFRARED VACUUM SYSTEM

The SV Series is the latest advancement in vacuum system technology. This unitary vacuum system incorporates our acclaimed stainless steel "vortex" burner for optimal heat distribution. Other features include a full BTU offering, extended venting runs, self-diagnostic circuit controls, reliable performance in high wind conditions and the quietest vacuum operation in the industry.

SPECIALTY HEATER OFFERING

PRODUCT FEATURES



- BTU/h Inputs of 50,000 to 200,000
- Available in Tube Lengths of 20 to 80 Ft.
- Black Coated Titanium Stabilized Combustion Chamber.
- Black Coated Aluminized Steel Radiant Tubes.
- Highly Polished Aluminum Reflectors.
- Capable of Long Vent Lengths.
- Quiet Vacuum (negative pressure) Operation
- 24V Control Wiring with Micro-processor Circuitry.
- Hot Surface Ignition with Flame Rod Sensing.

TYPICAL APPLICATIONS



PRODUCT FEATURES COMPARISON CHART

SV

Highly Polished Aluminum Reflectors	●
Coated Titanium or Aluminized Combustion Chamber	●
Coated Aluminized Radiant Tubes	●
Hot Surface Ignition	●
Stainless Steel Flexible Gas Connector	●
Ball Valve (1/2" Brass) with Pressure Tap Included	●
Two-stage Technology	
Interlocking Swaged Tubes	●
Stainless Steel Models Available*	●
Reflector End Caps Included	●
Optional 'U' or 'L' Configurations Available	●

* Select upgrades available; full stainless models are available in the HL2-SS and DX2-SS Series offering.

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VISIT OUR WEBSITE FOR:

- Product Specs
- Parts Support
- Dealer Locator
- Applications
- C.A.D. Library
- Design Guidelines
- Theory of Infra-red
- and More!

SV SERIES

SPECIFICATIONS



PRODUCT SPECIFICATIONS

Input Range:	50,000 to 200,000 BTU/h
Lengths:	20-80 Ft.
Gas Type:	Natural or Propane
Combustion Chamber:	Titanium Stabilized or Aluminized Steel
Radiant Tubes:	Aluminized Steel
Certification:	CSA
Limited Warranty:	1-3-5 (Components-Tubes-Burner)

OPTIONAL EQUIPMENT

U or L Configurations:	Available
Stainless Steel Upgrades:	Available
24V Controls:	Available
Indicator Lights:	Standard
Protective Guards:	Available
Side Shield Extensions:	Available
Outdoor Approval:	Not Available

ELECTRICAL

- 120V, 60Hz, 3-wire
- 3.0A starting, 2.0A running
- Exhauster 24VAC to burner

CONTROLS

- Pre-purge
- Self-diagnostic circuitry
- 120V thermostat control
- Pre-wired control panel

TUBE CONSTRUCTION

- As shown to left
- 4" x 10' 16 ga. construction
- Highly emissive black coating
- Labor saving, interlocking swaged tube design

REFLECTORS

- Highly polished aluminum
- End caps included
- Reflector tension springs
- 0° – 45° rotatable angle

IGNITION/SENSE

- Hot surface ignition
- Flame rod sense

VENTING

- Venting options for roof or sidewall.

GAS CONNECTION

- 1/2" NPT ball valve/inlet tap included
- 1/2" or 3/4" Type 1 Hose provided

GAS PRESSURES

- MAN: 3.5" NAT or 10.0" LP
- MIN: 5.5" NAT or 11.0" LP
- MAX: 14.0" NAT or 14.0" LP

COMBUSTION AIR

- Equipped for ducted air intake from roof or sidewall
- 4" PVC duct intake
- Required in harsh environments

KIT CONTENTS

- All hangers & couplers
- Reflector end caps
- Turbulator baffles

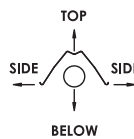
AVAILABLE SV MODELS & CLEARANCES

MODEL #	GAS*	INPUT BTU/h	LENGTH	WEIGHT	MOUNTING HEIGHTS**
SV-20-50	N or LP	50,000	22'-7"	140 lbs.	9' to 14'
SV-20-60	N or LP	60,000	22'-7"	140 lbs.	10' to 15'
SV-20-75	N or LP	75,000	22'-7"	140 lbs.	10' to 15'
SV-30-50	N or LP	50,000	32'-3"	180 lbs.	10' to 15'
SV-30-60	N or LP	60,000	32'-3"	180 lbs.	11' to 18'
SV-30-75	N or LP	75,000	32'-3"	180 lbs.	12' to 20'
SV-30-100	N or LP	100,000	32'-3"	180 lbs.	13' to 23'
SV-40-50	N or LP	50,000	41'-11"	210 lbs.	11' to 18'
SV-40-60	N or LP	60,000	41'-11"	210 lbs.	11' to 18'
SV-40-75	N or LP	75,000	41'-11"	210 lbs.	12' to 20'
SV-40-100	N or LP	100,000	41'-11"	210 lbs.	13' to 23'
SV-40-125	N or LP	125,000	41'-11"	210 lbs.	14' to 25'
SV-40-150	N or LP	150,000	41'-11"	210 lbs.	15' to 27'
SV-50-100	N or LP	100,000	51'-7"	255 lbs.	15' to 27'
SV-50-125	N or LP	125,000	51'-7"	255 lbs.	15' to 27'
SV-50-150	N or LP	150,000	51'-7"	255 lbs.	16' to 30'
SV-50-175	N or LP	175,000	51'-7"	255 lbs.	17' to 35'
SV-50-200	N or LP	200,000	51'-7"	255 lbs.	18' to 40'
SV-60-150	N or LP	150,000	61'-3"	285 lbs.	17' to 35'
SV-60-175	N or LP	175,000	61'-3"	285 lbs.	17' to 35'
SV-60-200	N or LP	200,000	61'-3"	285 lbs.	18' to 40'
SV-70-175	N or LP	175,000	70'-11"	320 lbs.	19' to 42'
SV-70-200	N or LP	200,000	70'-11"	320 lbs.	19' to 42'
SV-80-200	N or LP	200,000	80'-7"	350 lbs.	20' to 45'

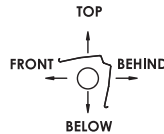
* Specify natural (N) or propane (LP) gas.

** Factory recommended mounting heights are provided as a guideline. Actual conditions may dictate variations from the above data.

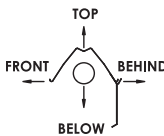
0° Mounting Angle



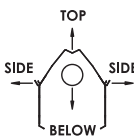
45° Mounting Angle



0° W/ 1 Side Shield



0° W/ 2 Side Shields



SV CLEARANCES TO COMBUSTIBLES (IN.)

MODEL NO.	MOUNTING ANGLE	SIDE			
		FRONT	BEHIND	TOP	BELOW
SV (20,30,40)-(50,60)	0°	9	9	6	47
	45°	39	8	10	47
W/1 side shield	0°	29	8	6	47
W/2 side shields	0°	9	9	6	47
20 ft. from burner	0°	7	7	6	30
SV (20,30,40)-75	0°	9	9	6	60
	45°	39	8	10	60
W/1 side shield	0°	29	8	6	60
W/2 side shields	0°	9	9	6	60
20 ft. from burner	0°	7	7	6	30
SV (30,40,50)-100	0°	14	14	6	66
	45°	39	8	10	66
W/1 side shield	0°	29	8	6	66
W/2 side shields	0°	16	16	6	66
20 ft. from burner	0°	7	7	6	30
SV (40,50)-125	0°	20	20	6	76
	45°	58	8	10	76
W/1 side shield	0°	42	8	6	76
W/2 side shields	0°	20	20	6	76
20 ft. from burner	0°	7	7	6	30
SV (40,50,60)-150	0°	24	24	6	81
	45°	58	8	10	81
W/1 side shield	0°	42	8	6	81
W/2 side shields	0°	23	23	6	81
20 ft. from burner	0°	11	11	6	44
SV (50,60,70)-175	0°	34	34	6	92
	45°	63	8	10	92
W/1 side shield	0°	50	8	6	92
W/2 side shields	0°	30	30	6	92
20 ft. from burner	0°	11	11	6	44
SV (50,60,70,80)-200	0°	41	41	6	94
	45°	63	8	10	94
W/1 side shield	0°	54	8	6	94
W/2 side shields	0°	30	30	6	94
20 ft. from burner	0°	11	11	6	44

Clearances published in SV Series manual and on warning label supersede data shown on this brochure.

Reference SV Series installation manual for complete information.

DISTRIBUTED BY:



LBSV-2M-10/10 (AOG)