

BRANT RADIANT

**RE-VERBER-RAY**



INFRARED RADIANT HEATERS®

HEATERS LIMITED

## AGRICULTURAL



## PRODUCT FEATURES

- BTU/h Inputs of 50,000 to 150,000.
- Available in Tube Lengths of 20 to 60 Ft.
- Coated Titanium Stabilized or Aluminized Combustion Chamber.
- Coated Aluminized Radiant Tubes.
- Highly Polished Aluminum Reflectors.
- Water Resistant Burner Control Box.
- External Operational Indicator Lights.
- Potted (water resistant) Circuitry.
- Hot Surface Ignition with Flame Rod Sensing.
- Optional Stainless Steel Upgrades Available.

### PRODUCT FEATURES COMPARISON CHART

	RVA2	AG2	AG1
Highly Polished Aluminum Reflectors	•	•	●
Stainless Steel Combustion Chamber	•		
Coated Aluminized Radiant Tubes	•	•	●
Stainless Steel Burner Control Box	•		
Hot Surface Ignition	•	•	●
Type 1 Rubber Hose	•	•	●
Two-stage Technology	•	•	
Potted "Waterproof" Circuitry	•	•	●
Waterproofed Control Box and Electrical Attachments	•	•	●
Optional 'U' or 'L' Configurations Available	•	•	●
24 Volt Control Option	•	•	●

SERIES

○ RVA2

○ AG2

● AG1

# AG1 SERIES

## AGRICULTURAL GAS FIRED SINGLE-STAGE INFRARED HEATERS

The AG1 Series is designed for poultry and non-corrosive agricultural environments. Proven construction features assure reliable performance at an economical price. Performance and flame distribution are enhanced by the use of a stainless steel 'rifle' burner. Radiant output is optimized with highly polished aluminum reflectors. For use in poultry, dairy, barns, shops, arenas and much more.



### BRANT RADIANT HEATERS LTD.

34 Scott Ave.  
Paris, ON N3L 3R1

Phone: 1-519-442-7823  
Toll Free: 1-800-387-4778  
Fax: 1-519-442-7321  
E-mail: [sales@brantradiant.com](mailto:sales@brantradiant.com)  
Website: [www.brantradiant.com](http://www.brantradiant.com)

### VISIT OUR WEBSITE FOR:

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

# AG1 SERIES

## SPECIFICATIONS

### PRODUCT SPECIFICATIONS

<b>Input Range:</b>	50,000 to 150,000 BTU/h
<b>Lengths:</b>	20-60 Ft.
<b>Gas Type:</b>	Natural or Propane
<b>Combustion Chamber:</b>	Titanium Stabilized or Aluminized Steel
<b>Radiant Tubes:</b>	Coated Aluminum
<b>Certification:</b>	CSA, IAS
<b>Limited Warranty:</b>	1-3-5 (Components-Tubes-Burner)

### OPTIONAL EQUIPMENT

<b>U or L Configurations:</b>	Available (RUP, REP)
<b>Stainless Steel Upgrades:</b>	Available (AGAO-SS, SSTAO, SSRAO)
<b>24V Controls:</b>	Optional
<b>Indicator Lights:</b>	Standard
<b>Three-prong Power Cord</b>	Standard
<b>Protective Guards:</b>	Available (PG)
<b>Side Shield Extensions:</b>	Available (SSE)
<b>Aluminum Steel Tubes:</b>	Available (ALUM-AO)

Reference the AG Accessory List for additional upgrade options and accessories.

### ELECTRICAL

- 120V, 60Hz, 3-wire.
- 4.8A starting, 1.1A running.

### CONTROLS

- Water resistant microprocessor circuitry provides soft-lockout and self-diagnostic capabilities.
- 24V option control (Field supplied 24V).

### TUBE CONSTRUCTION

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

### REFLECTORS

- Highly polished aluminum.
- End caps included.
- Tension springs.
- 0° – 45° rotatable angle.

### IGNITION/SENSE

- Hot surface ignition.
- Flame rod sense.

### VENTING

- Venting options for roof or sidewall.
- Optional unvented use with WVE-GALV.

### GAS CONNECTION

- 1/2" male NPT.
- 30" Type 1 Rubber Hose.

### GAS PRESSURES

- MAN: 3.5" NAT or 10.0" LP
- MIN: 5.0" NAT or 11.0" LP
- MAX: 14.0" NAT or 14.0" LP

### COMBUSTION AIR

- Required in harsh environments.
- Equipped for ducted air intake from roof or sidewall.

### KIT CONTENTS

- All hangers & hose.
- Reflector end caps.
- Turbulator baffles.

## AVAILABLE AG1 MODELS & CLEARANCES

MODEL #	GAS*	INPUT BTU/H	LENGTH	WEIGHT	MOUNTING HEIGHTS**
AG1-20-50	N or LP	50,000	21'- 7"	120 lbs.	6' to 9'
AG1-20-60	N or LP	60,000	21'- 7"	120 lbs.	6' to 9'
AG1-20-75	N or LP	75,000	21'- 7"	120 lbs.	7' to 10'
AG1-20-80	N or LP	80,000	21'- 7"	120 lbs.	8' to 14'
AG1-30-50	N or LP	50,000	31'- 3"	160 lbs.	7' to 10'
AG1-30-60	N or LP	60,000	31'- 3"	160 lbs.	7' to 10'
AG1-30-75	N or LP	75,000	31'- 3"	160 lbs.	7' to 10'
AG1-30-80	N or LP	80,000	31'- 3"	160 lbs.	8' to 14'
AG1-30-100	N or LP	100,000	31'- 3"	160 lbs.	8' to 14'
AG1-40-50	N or LP	50,000	40'- 11"	190 lbs.	7' to 10'
AG1-40-60	N or LP	60,000	40'- 11"	190 lbs.	7' to 10'
AG1-40-75	N or LP	75,000	40'- 11"	190 lbs.	7' to 10'
AG1-40-80	N or LP	80,000	40'- 11"	190 lbs.	8' to 14'
AG1-40-100	N or LP	100,000	40'- 11"	190 lbs.	7' to 11'
AG1-40-125	N or LP	125,000	40'- 11"	190 lbs.	9' to 14'
AG1-40-150	N or LP	150,000	40'- 11"	190 lbs.	10' to 14'
AG1-50-100	N or LP	100,000	50'- 7"	235 lbs.	8' to 12'
AG1-50-125	N or LP	125,000	50'- 7"	235 lbs.	9' to 14'
AG1-50-150	N or LP	150,000	50'- 7"	235 lbs.	10' to 14'
AG1-60-150	N or LP	150,000	60'- 3"	265 lbs.	10' to 14'

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



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### AG1 CLEARANCES TO COMBUSTIBLES (IN.)

MODEL NO.	MOUNTING ANGLE	SIDE			
		FRONT	BEHIND	TOP	BELOW
AG1-(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
AG1-(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
AG1-(20,30,40,50)-80,100	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
AG1-40-125	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
AG1-(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

Always maintain the published clearances to combustibles.

Clearances published in AG1 Series manual and on warning label supersede data shown on this brochure.