

DETROIT RADIANT

RE-VERBER-RAY

RADIANT GAS HEATERS®

PRODUCTS COMPANY

AGRICULTURAL



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.

PRODUCT FEATURES

- BTU/h Inputs of 50,000 to 150,000.
- Available in Tube Lengths of 20 to 60 Ft.
- Uncoated Titanium Stabilized or Aluminized Combustion Chamber.
- Hot-Rolled Steel Radiant Tubes.
- Highly Polished Aluminum Reflectors.
- Waterproofed 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	OTHER
Highly Polished Aluminum Reflectors	●	●	●	
Stainless Steel Combustion Chamber	●			
Coated Aluminized Radiant Tubes	●			
Stainless Steel Burner Control Box	●	●	●	
Hot Surface Ignition	●	●	●	
Stainless Steel Flexible Gas Connector	ⓘ	●	●	
Ball Valve (1/2" Brass) with Pressure Tap Included	●	●	●	
Two-stage Technology	●	●		
Potted "Waterproof" Circuitry	●	●	●	
Waterproofed Control Box and Electrical Attachments	●	●	●	
Optional 'U' or 'L' Configurations Available	●	●	●	
24 Volt Control Option (AG1 Standard)	●	●	●	

ⓘ PVC coated connector.

DETROIT RADIANT PRODUCTS CO.

21400 Hoover Rd.
Warren, MI 48089-3162

Phone: (586) 756-0950
Toll Free: 1-800-222-1100
Fax: (586) 756-2626
Email: sales@drp-co.com
Website: www.reverberray.com

VISIT OUR WEBSITE FOR:

- Product Specs
- Parts Support
- Dealer Locator
- Applications
- C.A.D. Library
- Design Guidelines
- Case Studies
- and More!

AG1 SERIES

SPECIFICATIONS



PRODUCT SPECIFICATIONS

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

OPTIONAL EQUIPMENT

U or L Configurations:	Available (RUP, REP)
Stainless Steel Upgrades:	Available (AGAO-SS, SSTA0, SSRA0)
24V Controls:	Standard
Indicator Lights:	Standard
Three-prong Power Cord	Standard
Protective Guards:	Available (PG)
Side Shield Extensions:	Available (SSE)
Aluminum Steel Tubes:	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

- Waterproof microprocessor circuitry provides soft-lockout and self-diagnostic capabilities.
- 24V thermostatic 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

- 7/8" flare male NPT.
- 1/2" NPT ball valve/inlet tap included.
- 24" stainless steel flexible connector included.

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.
- 4" PVC duct intake.
- Optional AK-T4 kit available.

KIT CONTENTS

- All hangers & couplers.
- 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'
AG1-30-50	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'
AG1-30-100	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'
AG1-40-100	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



AG1 CLEARANCES TO COMBUSTIBLES (IN.)

MODEL NO.	MOUNTING ANGLE	SIDE		TOP	BELOW	
		FRONT	BEHIND			
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-(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	
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.

DISTRIBUTED BY:

