

DETROIT RADIANT

RE-VERBER-RAY

RADIANT GAS HEATERS®

PRODUCTS COMPANY

AGRICULTURAL



SERIES

● RVA2 ○ AG2 ○ AG1

RVA2 SERIES

AGRICULTURAL GAS FIRED DUAL-STAGE INFRARED HEATERS

The RVA2 Series of dual-stage infrared heaters is specifically designed for swine and other harsh agricultural environments. Rugged construction features, superior operational efficiencies and other technical advancements assure reliable performance with added dual-stage operational benefits. For use in poultry, dairy, swine, pole barns, workshops, arenas and many other harsh environments.

PRODUCT FEATURES

- Two-Stage Operation Provides Superior Comfort.
- BTU/h Inputs of 65,000 to 150,000.
- Available in Tube Lengths of 20 to 60 Ft.
- Uncoated 409 Stainless Steel Primary Combustion Chamber.
- Uncoated Aluminized Steel Secondary Combustion Chamber.
- Coated Aluminized Steel Radiant Tubes.
- Highly Polished Aluminum Reflectors.
- Waterproofed Burner Control Box.
- External Operational Indicator Lights.
- Potted (water resistant) Circuitry with Self-Diagnostic Capabilities.
- Hot Surface Ignition with Flame Rod Sensing.



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	●	●	●	

ⓘ 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!

RVA2 SERIES

SPECIFICATIONS



PRODUCT SPECIFICATIONS

Input Range:	65,000 to 150,000 BTU/h
Lengths:	20-50 Ft.
Gas Type:	Natural or Propane
Combustion Chamber:	409 Series Stainless Steel
Radiant Tubes:	Coated Aluminized 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 (SSTAO, SSRAO)
24V Controls:	Standard
Indicator Lights:	Standard
Three-prong Power Cord	Standard
Protective Guards:	Available (PG)
Side Shield Extensions:	Available (SSE)
Outdoor Approval:	Not Available

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.
- Stainless steel upgrades available.

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" PVC coated, 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.
- Optional AK-T4 kit available.

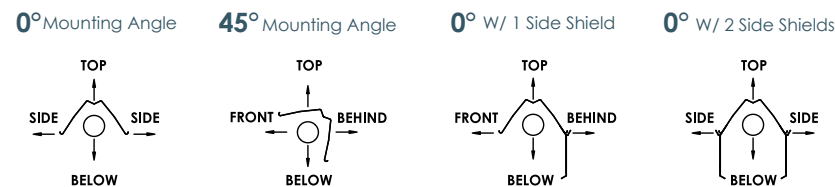
KIT CONTENTS

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

AVAILABLE RVA2 MODELS & CLEARANCES

MODEL #	GAS*	BTU/H HIGH FIRE	BTU/H LOW FIRE	LENGTH	WEIGHT	MOUNTING HEIGHTS**
RVA2-20-65†	N or LP	65,000	50,000	21'- 7"	120 lbs.	6' to 9'
RVA2-20-75	N or LP	75,000	50,000	21'- 7"	120 lbs.	7' to 10'
RVA2-20-80	N or LP	80,000	52,000	21'- 7"	120 lbs.	7' to 10'
RVA2-30-65	N or LP	65,000	50,000	31'- 3"	160 lbs.	6' to 9'
RVA2-30-75	N or LP	75,000	50,000	31'- 3"	160 lbs.	7' to 10'
RVA2-30-80	N or LP	80,000	52,000	31'- 3"	160 lbs.	7' to 10'
RVA2-30-100	N or LP	100,000	65,000	31'- 3"	160 lbs.	8' to 14'
RVA2-40-65	N or LP	65,000	50,000	40'- 11"	190 lbs.	6' to 9'
RVA2-40-75	N or LP	75,000	50,000	40'- 11"	190 lbs.	7' to 12'
RVA2-40-80	N or LP	80,000	52,000	40'- 11"	190 lbs.	7' to 12'
RVA2-40-100	N or LP	100,000	65,000	40'- 11"	190 lbs.	7' to 13'
RVA2-40-125‡	N or LP	125,000	82,000	40'- 11"	190 lbs.	9' to 13'
RVA2-40-150‡	N or LP	150,000	100,000	40'- 11"	190 lbs.	10' to 14'
RVA2-50-100	N or LP	100,000	65,000	50'- 7"	235 lbs.	8' to 12'
RVA2-50-125	N or LP	125,000	82,000	50'- 7"	235 lbs.	9' to 14'
RVA2-50-150	N or LP	150,000	100,000	50'- 7"	235 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. †Not recommended in poultry applications. ‡Not recommended in swine applications.



RVA2 CLEARANCES TO COMBUSTIBLES (IN.)

MODEL NO.	MOUNTING ANGLE	SIDE			
		FRONT	BEHIND	TOP	BELOW
RVA2-(20,30,40)-(65,75)	0°	9	9	6	60
	45°	39	8	10	60
	W/1 side shield	0°	29	8	6
W/2 side shields	0°	9	9	6	60
20 ft. from burner	0°	7	7	6	30
RVA2-(20,30,40,50)-(80,100)	0°	14	14	6	66
	45°	39	8	10	66
	W/1 side shield	0°	29	8	6
W/2 side shields	0°	16	16	6	66
20 ft. from burner	0°	7	7	6	30
RVA2-(40,50)-125	0°	20	20	6	76
	45°	58	8	10	76
	W/1 side shield	0°	42	8	6
W/2 side shields	0°	20	20	6	76
20 ft. from burner	0°	7	7	6	30
RVA2-(40,50)-150	0°	24	24	6	81
	45°	58	8	10	81
	W/1 side shield	0°	42	8	6
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 RVA2 Series manual and on warning label supersede data shown on this brochure.

DISTRIBUTED BY:

