

DETROIT RADIANT

RE-VERBER-RAY

RADIANT GAS HEATERS®

PRODUCTS COMPANY

AGRICULTURAL

SERIES

○ RVA2

● AG2

○ AG1

AG2 SERIES

AGRICULTURAL GAS FIRED DUAL-STAGE INFRARED HEATERS

The AG2 Series is specifically designed for poultry and non-corrosive agricultural environments. From start-to-finish, producers using infrared heaters have realized higher quality chicks, lower mortality rates, improved animal performance and reduced fuel consumption. Save 20-50% on your fuel bill using radiant tube heat versus other heating appliances. For use in poultry, dairy, barns, shops, arenas and much more.



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 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 with Self-Diagnostic Capabilities.
- 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 | ● | ● | | |

ⓘ PVC coated connector.

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- Design Guidelines
- Case Studies
- and More!

AG2 SERIES

SPECIFICATIONS



PRODUCT SPECIFICATIONS

| | |
|----------------------------|---|
| Input Range: | 65,000 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, SSRAO) |
| 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 AG2 MODELS & CLEARANCES

| MODEL # | GAS* | BTU/H HIGH FIRE | BTU/H LOW FIRE | LENGTH | WEIGHT | MOUNTING HEIGHTS** |
|------------|---------|-----------------|----------------|----------|----------|--------------------|
| AG2-20-65 | N or P | 65,000 | 50,000 | 21'- 7" | 120 lbs. | 6' to 9' |
| AG2-20-75 | N or P | 75,000 | 50,000 | 21'- 7" | 120 lbs. | 7' to 10' |
| AG2-20-80 | N or P | 80,000 | 52,000 | 21'- 7" | 120 lbs. | 8' to 14' |
| AG2-30-65 | N or P | 65,000 | 50,000 | 31'- 3" | 160 lbs. | 6' to 9' |
| AG2-30-75 | N or P | 75,000 | 50,000 | 31'- 3" | 160 lbs. | 7' to 10' |
| AG2-30-80 | N or P | 80,000 | 52,000 | 31'- 3" | 160 lbs. | 8' to 14' |
| AG2-30-100 | N or P | 100,000 | 65,000 | 31'- 3" | 160 lbs. | 8' to 14' |
| AG2-40-65 | N or P | 65,000 | 50,000 | 40'- 11" | 190 lbs. | 6' to 9' |
| AG2-40-75 | N or P | 75,000 | 50,000 | 40'- 11" | 190 lbs. | 7' to 12' |
| AG2-40-80 | N or P | 80,000 | 52,000 | 40'- 11" | 190 lbs. | 8' to 14' |
| AG2-40-100 | N or P | 100,000 | 65,000 | 40'- 11" | 190 lbs. | 7' to 13' |
| AG2-40-125 | N or P | 125,000 | 95,000 | 40'- 11" | 190 lbs. | 9' to 13' |
| AG2-40-150 | N or P | 150,000 | 100,000 | 40'- 11" | 190 lbs. | 10' to 14' |
| AG2-50-100 | N or P | 100,000 | 65,000 | 50'- 7" | 235 lbs. | 8' to 12' |
| AG2-50-125 | N or P | 125,000 | 95,000 | 50'- 7" | 235 lbs. | 9' to 14' |
| AG2-50-150 | N or P | 150,000 | 100,000 | 50'- 7" | 235 lbs. | 10' to 14' |
| AG2-60-150 | N or LP | 150,000 | 100,000 | 60'- 3" | 265 lbs. | 10' to 14' |

* Specify natural (N) or propane (P) 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



AG2 CLEARANCES TO COMBUSTIBLES (IN.)

| MODEL NO. | MOUNTING ANGLE | SIDE | | TOP | BELOW |
|----------------------------|--------------------|-------|--------|-----|-------|
| | | FRONT | BEHIND | | |
| AG2-(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 |
| AG2-(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 |
| AG2-(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 |
| AG2-(40,50,60)-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 |

Always maintain the published clearances to combustibles.

Clearances published in AG2 Series manual and on warning label supersede data shown on this brochure.

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