

PuraFire Heater Specifications

	C80M	C225	C225M
BTU/HR	40,000-80,000 Manually Adjustable	225,000	140,000 - 225,000 Manually Adjustable
Supply Gas Pressure	11.4 min. ~ 14 max. (LP) 4.4 min. ~ 14 max. (Natural Gas)	11.8 min. ~ 14 max. (LP) 4.9 min. ~ 14 max (Natural Gas)	11.8 min. ~ 14 max. (LP) 4.9 min. ~ 14 max. (Natural Gas)
Air Delivery - Heated	520 CFM	1,173 CFM	1,173 CFM
Fresh Air Requirement for recirculation	320 CFM	900 CFM	900 CFM
Electrical Requirements	115V/Single Phase/60Hz or 220V/50 Hz	115V/Single Phase/60Hz or 220V/Single Phase/50Hz	115V/Single Phase/60Hz or 220V/Single Phase/50Hz
Motor	1/8 HP	1/3 HP	1/3 HP
Motor Currents	1.5/0.63 Amps	4.7/2.5 Amps	4.7/2.5 Amps
Dimensions			
Length	20.5"	27"	27"
Width	13"	20"	20"
Height	21.75"	28"	28"
Shipping Weight	57 lbs.	120 lbs.	120 lbs.
Part #:			
LP Gas	01-5424 (C80MLP)	01-5430 (C225LP)	01-5430M (C225MLP)
Natural Gas	01-5425 (C80MNG)	01-5434 (C225NG)	01-5434M (C225MNG)

PuraFire Heater Accessories

- Secondary Pressure Regulator - LP Gas
- Thermostat - NEMA 4
- Gas Hose- 10' Long 3/8" Dia. or 10' Long 1/2" Dia. (225)
- Suspension Kit
- 15" or 24" Duct
- Wire Set- 20' w/Thru Plug
- Sediment Trap 1/2"
- Y - Duct
- T - Duct
- Y - Yoke
- Downward, Wall, or Duct Mount Diffuser
- Outdoor Kit

50 Hz Model

01-5424x1	C80M	LP	Galvanized
01-5425x1	C80M	NG	Galvanized
01-5426x1	C80M	LP	Stainless Steel
01-5427x1	C80M	NG	Stainless Steel

01-5430x1	C225	LP	Galvanized
01-5434x1	C225	NG	Galvanized
01-5436x1	C225	NG	Stainless Steel
01-5437x1	C225	LP	Stainless Steel

60 Hz Model

01-5424	C80M	LP	Galvanized
01-5425	C80M	NG	Galvanized
01-5426	C80M	LP	Stainless Steel
01-5427	C80M	NG	Stainless Steel

01-5430	C225	LP	Galvanized
01-5434	C225	NG	Galvanized
01-5436	C225	NG	Stainless Steel
01-5437	C225	LP	Stainless Steel

01-5430M	C225M	LP	Galvanized
01-5434M	C225M	NG	Galvanized
01-5436M	C225M	NG	Stainless Steel
01-5437M	C225M	LP	Stainless Steel



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Purafire Heater

Energy Saving Heater

The Pure Choice for Consistent Heating

With one of the lowest carbon monoxide emission in the industry (CO emissions of 5 parts per million), Cumberland PuraFire Heaters are available in three models: the variable output C80 (40,000 to 80,000 BTUH), the C225 (225,000 BTUH), and the variable output C225M (140,000 to 225,000 BTUH). Each heater is LP or natural gas compatible and can be mounted inside or outside any house. These heaters are constructed of tough, rust-resistant galvanized steel for long life and durability. The motor assembly, blower, gas valve, control panel and other components are protected from moisture, dirt and dust. Swinging doors on each side give easy access to all working parts, making replacement and field service a breeze.

The "matchless" heater

PuraFire's fast-acting 24 volt electronic ignition energizes in just ten seconds. This eliminates unpredictable pilot light flames, as well as the inconvenience of having to clean pilots or restart them with a match. Plus, a tough porcelain casing protects the igniter from damage and excessive heat exposure.



PuraFire igniters are available with ceramic or stainless steel casings.

PuraFire's bottom-draw intake better controls the air flow into and throughout the entire unit and provides a more efficient mix of air and gas. Cool air, channeled along the inside casing, creates a buffer that keeps the outside cooler (not hot to the touch). This air pattern results in a unique bent flame design, which greatly increases the flame's surface area and heat chamber efficiency.

THE ADVANTAGE

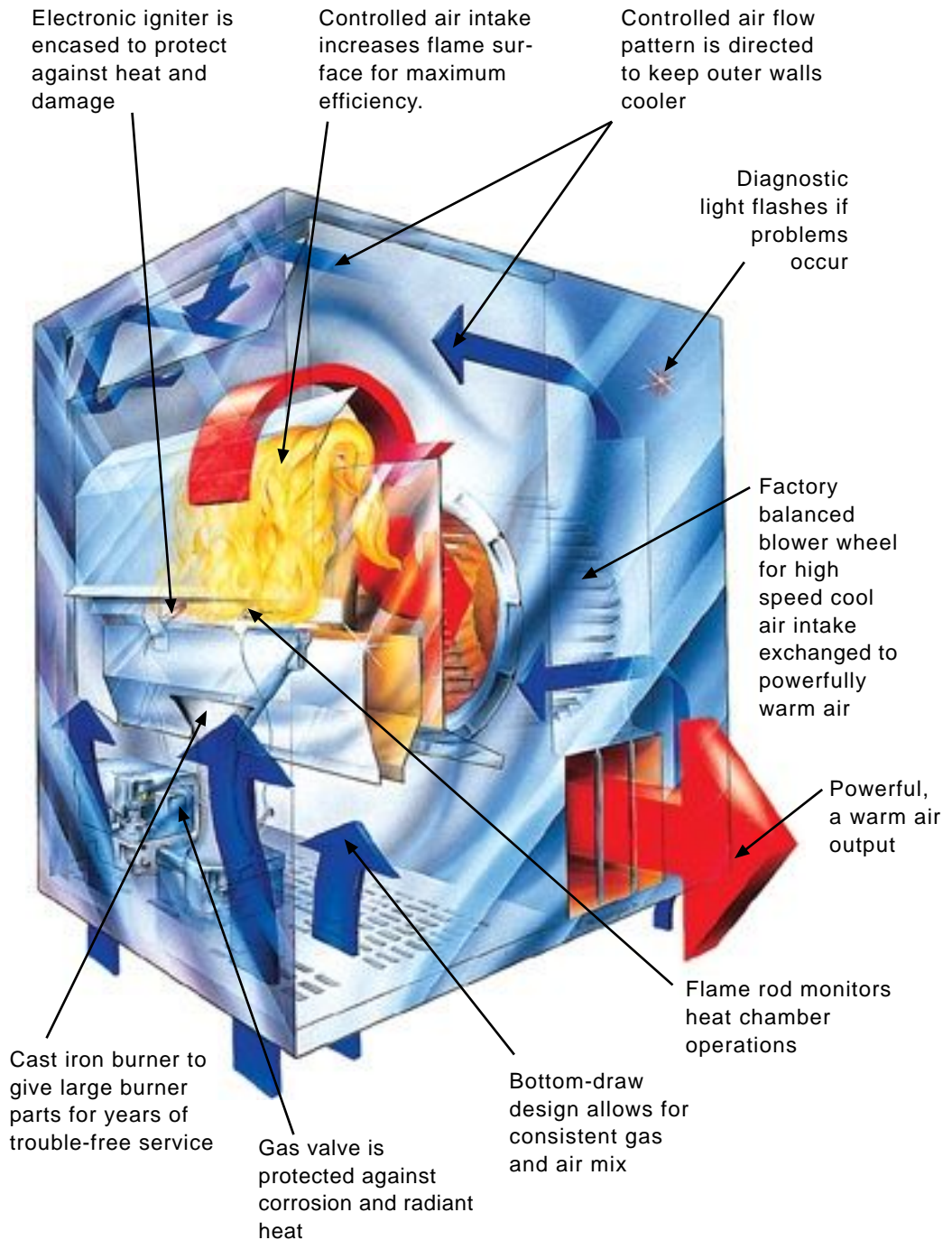
- Consistent, clean burning source of warmth with near 100% fuel efficiency
- Thermostat operated for 100% automated control
- Uses less energy to yield greater BTU's
- Intelligent trouble-shooting safety features
- In case of flame failure, an automatic fan shut down stops drafts & gas control lockout prevents gas from escaping
- Bottom-draw intake better controls air flow.
- "Bent flame" design greatly increases flame surface area & heat chamber efficiency
- Outside is not hot to the touch
- Constructed of tough, rust resistant, galvanized steel (stainless steel enclosure optional)
- Motor assembly, blower, gas valve, control panel & other components are protected from moisture, dirt & dust
- Swinging doors on each side allow access to all working parts
- Stainless steel igniter (24-volt electronic ignition energizes in just 10 seconds - no need for matches)
- Porcelain casing protects the igniter from damage and excessive heat exposure



Safety First

PuraFire models are equipped with intelligent trouble-shooting safety features. An easy-to-read self-diagnostic indicator light alerts you at a glance when problems exist, flashing a different light pattern for specific conditions. In case of flame failure, an automatic fan shut down stops drafts and the gas control lockout prevents gas from escaping.

LOW ENERGY COST, HIGH HEAT ENERGY GENERATED HEATER WITH THERMOSTAT CONTROL FOR GAS SAVING



PuraFire heaters, including all components and sub components, are warranted to be free from defects in material and workmanship for a one-year period from the date of installation.



Outdoor Kit

Mounting heaters on the outside of poultry houses saves space and head room. Occasionally, snow or rain can cause outdoor mounted heaters to fail when you need them the most. This recirculating, outdoor heater mounting kit allows you to choose between inside or outside combustion air to keep your heaters functioning properly in all weather conditions.



Easy Cleaning

The PuraFire Heater is 100% high-pressure washable. See operation manual for COMPLETE cleaning instructions.



Warning: Do not use this heater in an improperly ventilated area or where liquids with flammable vapors are stored or used.