

# Features/Benefits of the CoRayVac®

## Low-intensity Continuous Infrared Heating System

Feature	Benefit
<b>Layout &amp; Installation:</b>	
▪ Burners-in-series design	▪ Improved comfort with uniform, gentle heat
▪ Multiple burners per pump	▪ Reduces building penetrations and installed cost
▪ Low clearances to combustibles	▪ Provides safety and design flexibility
▪ Custom engineered systems using a broad range of BTUH input burners	▪ Tailored to fit any floor plan or match any heating equipment requirement
▪ Ideal for installations at high mounting heights and in high heat loss environments	▪ Fuel efficient, comfortable heat, quick temperature recovery
▪ Reflectors can have side reflectors added	▪ Concentrates heat where needed
▪ Quick assembly stainless steel couplings	▪ Minimizes installation time, no drilling or set screws needed
▪ Condensing system	▪ Improved fuel efficiency, maximum amount of heat released into desired area.
▪ Optional System Control panel	▪ Provides individual zone temperature control for up to four zones
▪ Optional ROBERTS GORDON® BZC Controller	▪ Provide an energy management system for control of up to 7 zones
▪ Optional transformer relays to control pumps	▪ Operates two burners in one zone or four burners in two zones resulting in reduced equipment cost
▪ Option of decorative grille for drop ceiling applications	▪ Aesthetically-appealing look in high visibility areas
▪ Optional porcelain coated tube	▪ Maximizes heat emission and corrosion resistance for condensing systems
<b>Operation:</b>	
▪ Operates with natural gas or LP gas (propane)	▪ Fuel efficient and environmentally friendly
▪ Low-intensity infrared heat	▪ Warms people and objects directly, not the air
▪ Deep-dish, high efficiency aluminum reflectors with end caps	▪ Maximizes energy reflection; minimizes heat loss by convection
▪ Optional deep-dish stainless steel reflectors with end caps	▪ Minimizes heat loss by convection, improves corrosion resistance and durability
▪ Direct spark ignition requires lower amperage draw	▪ Reduces electricity, reliable operation
▪ Three-try ignition module	▪ Reduces nuisance lockouts
<b>Safety:</b>	
▪ CSA design certified	▪ Independent testing to industry standards
▪ Minimum 45 second prepurge	▪ Eliminates the possibility of backfire or fire in the burner or tubing before igniting the fuel air mixture.
▪ Zero regulator design	▪ Prevents gas flow if there is no vacuum, provides optimal fuel to air ratio; factory-set, requires no adjustment upon start-up.
▪ Safety pressure switch	▪ Prevents burner operation in event of motor failure
▪ Stainless steel flex gas connector included	▪ Reliable, durable gas connection
▪ Detailed Installation, Operation and Service manual	▪ Reduces installation time and errors; easier to troubleshoot and repair
▪ UL listed electrical components and control panels	▪ Testing to industry standards
<b>Maintenance:</b>	
▪ Minimal maintenance cost	▪ 40 years of field-proven performance
▪ Durable, spot welded burner construction with electrostatically applied paint	▪ Strong, long-lasting unit
▪ Removable burner side doors	▪ Easy access for service, minimizes clearances required between burner and ceiling
▪ Mica flame observation window	▪ Flame verification and burner operation easy to observe
▪ Three-year limited warranty on all components	▪ No hidden short-term exceptions for electrical and gas components



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