

RIDGID® RT-100 Mini Electric Soldering Gun

RT-100 MINI ELECTRIC SOLDERING GUN

Thank-you for purchasing the RIDGID RT-100 Mini Electric Soldering Gun. It is designed to safely heat copper tube and fittings to solder joints. The RT-100 uses resistance heating to melt the solder without the danger of using an open flame. It is a safer, faster method of soldering copper tube.

The RT-100 can efficiently and quickly solder joints in copper tube up to 1½" diameter while using a standard 120V, 15A circuit. The soldering gun will heat the copper to temperatures in excess of 750°F which allows it to melt all solders used in plumbing applications - from the 50/50 solders to the 95/5 lead-free types.

The RT-100 has cable lengths of 72" which lead to the handles. The unit has a wireform welded to the case that acts as a cord wrap for the cables and power cord and as a handle for portability. The RT-100 is similar to Ridge Tool's RT-175 Electric Soldering Gun but in a smaller, more compact design. The unit is designed with the service plumber in mind for the repair and renovation projects that require soldering in tight locations and minimizing destruction of existing structures.



This instruction sheet along with the attached Operator's Manual for the RT-175 outline all the safety and operational features for the RT-100 Mini Electric Soldering Gun. Listed below are the specifications and operating instructions for the RT-100.

General and Specific Safety Information

Refer to the attached RT-175 Operator's Manual

Specifications

Power Input115V, 15A

Power Output
(open circuit voltage).....4.0V

Current Draw12A

Duty CycleContinuous

Solder Gun
Cable Length72"

Power Cord Length84"

Weight23 lbs.

Dimensions

Height..... 5"

Width.....10"

Length.....14"

Accessories/Replacement Parts

- Carbon Tips Catalog No. 39966
- Threaded Studs Catalog No. 39976
- Leather Holster N/A

NOTE! The holster is designed to fit over the carbon tips and stainless steel arms. It will protect the handle cables and power cord from damage from the tips and arms and will protect the carbon tips during transport.

Operating Instructions

Refer to the attached RT-175 Operators Manual for additional information.

NOTE! When using the RT-100, proper-soldering techniques should continue to be followed:

1. Plug the power cord into a 115V, 15 Amp grounded receptacle.
2. Thoroughly clean the copper tube and fitting and apply the flux.
3. Turn the unit **ON**.

NOTE! 26' - 50' EXTENSION CORD SHOULD CONSIST OF #12 GAUGE WIRE AT A MINIMUM. (SEE SAFETY SECTION FOR PROPER SIZE CORD).

4. Squeeze handles together to open the carbon tips to fit over the joint. Be sure to place the carbon tips over the joint to allow capillary effect to draw the solder into the solder cup of the fitting.
5. Hold solder wire at fitting lip until the solder begins to flow freely. When this occurs, squeeze handles and remove solder gun.

WARNING

Do not overheat fitting.

WARNING

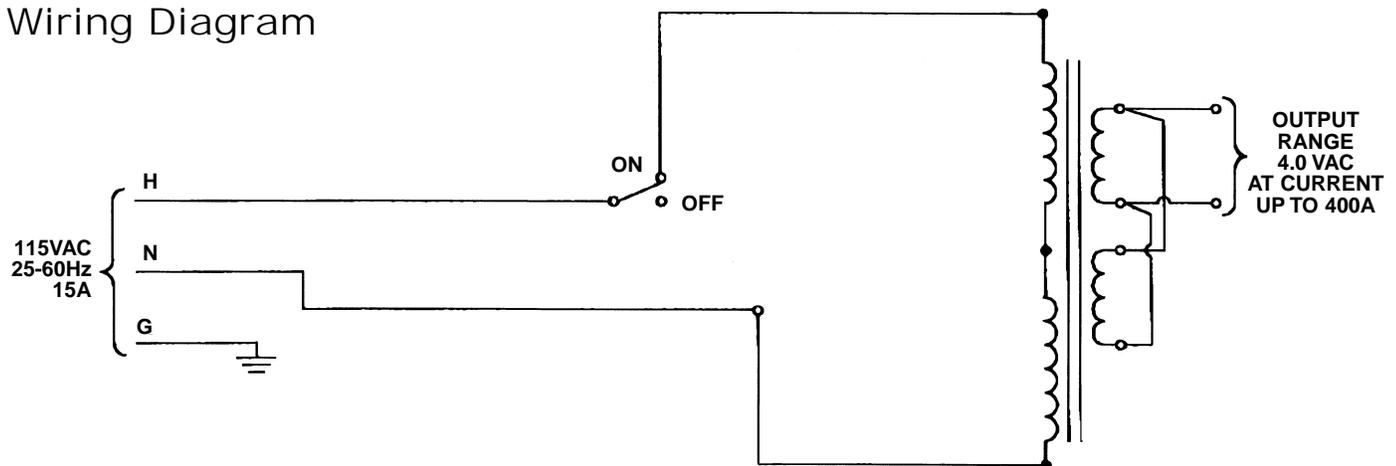
Solder gun stainless steel sleeves and carbon tips remain hot. Do not touch. Do not lay on surfaces that may be damaged until sleeves and tips have cooled.

6. If the joint to be soldered is in a difficult to reach location, it is not necessary to clamp the carbon tips around the tube. The carbon tips only have to be in contact with the fitting.
7. Do not clamp or touch stainless steel sleeves, threaded studs, or lock nuts against the tube or fittings. If this happens, sparking or excessive current draw may occur.
8. Switch the unit **OFF** when not in use. After the unit has cooled sufficiently, place the leather holster over the tips and stainless steel arms.

Maintenance

Refer to the attached RT-175 Operator's Manual.

Wiring Diagram



RIDGID® Lifetime Warranty

The reputation of **RIDGID®** tools is the result of consistent product quality and years of pride in workmanship. Rigorous checks and controls, from raw materials to packaged products, ensure product confidence widely accepted as the benchmark of the professional trades. **RIDGID®** tools are warranted to be free of defects in workmanship or material for the life of the tool. Expendable Materials, such as pipe or drain cleaning tools, rods and cables, etc. are not covered by this warranty. Obviously, failures due to misuse, abuse, or normal wear and tear are not covered by this warranty. **NO OTHER WARRANTY EXPRESS OR IMPLIED, APPLIES, INCLUDING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** No employee, agent, dealer, or other person is authorized to alter this or make any other warranty on behalf of RIDGE TOOL COMPANY. To obtain the benefit of this warranty, deliver the complete product prepaid to RIDGE TOOL COMPANY or any **RIDGID®** AUTHORIZED SERVICE CENTER. Pipe wrenches and other hand tools should be returned to place of purchase. Warranted products will be repaired or replaced, at RIDGE TOOL'S option, at no charge and returned via prepaid transportation. This limited LIFETIME WARRANTY is the sole and exclusive warranty for **RIDGID®** products, and the remedy of repair or replacement is the sole and exclusive remedy for any nonconformity with this warranty. RIDGE TOOL shall not be responsible for damages of any sort, including incidental or consequential damages.