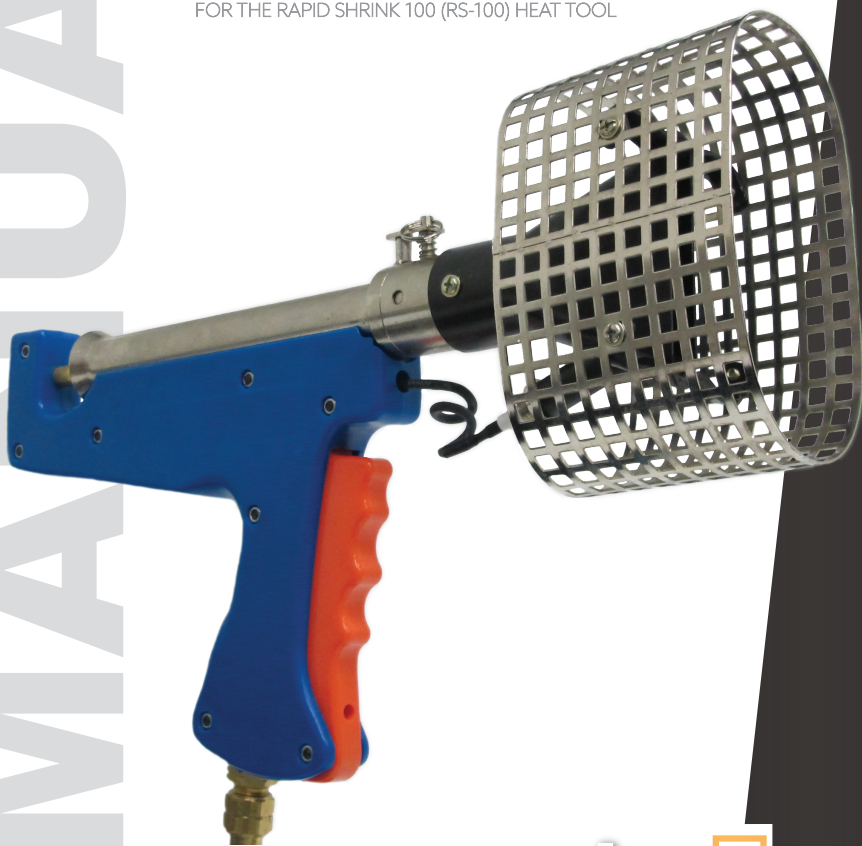


RapidShrink 100 PREMIUM HEAT TOOLS

YOUR COMPLETE OWNERS MANUAL
FOR THE RAPID SHRINK 100 (RS-100) HEAT TOOL



Dr.Shrink⁺

INTERNATIONAL SHRINK WRAP SUPPLIER

CONTACT OUR WORLD CLASS CUSTOMER SERVICE



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TABLE OF CONTENTS+

| | |
|---|---|
| Introduction to your Rapid Shrink 100 Heat Tool | 2 |
| General Safety Information | 3 |
| Which Tank To Use | 3 |
| Heat Tool Operation | 4 |
| Troubleshooting | 5 |
| RS100 Parts Index | 6 |
| Warranty | 7 |
| Contact Dr. Shrink | 8 |

INTRODUCTION+



The Rapid Shrink 100 (DS-RS100) Heat Tool is a propane fired device to heat our premium shrink wrap film. It is self-igniting, lightweight, and economical compared to other heat tools on the market. The Rapid Shrink 100 heat tool is ideal for beginners to experts and has an output 100,000 BTUs.

WHAT'S INSIDE

The Rapid Shrink 100 heat tool kit includes:

1. Heat Tool Body
2. 25' Propane Hose
3. Adjustable Regulator
4. Carrying Case
5. Safety Glasses & Gloves
6. Training Literature



GENERAL SAFETY+

The Rapid Shrink 100 (DS-RS100) operates with an open flame. It must be used with caution and common sense. Review all of the general safety information prior to initial use.

IMPORTANT:

1. This tool must never be used while under the influence of drugs or alcohol.
2. It must never be pointed at other living beings.
3. Do not look down the combustor of the DS-RS100 when it is attached to the propane hose.
4. Always wear long cuff safety gloves and safety glasses while operating the tool.
5. Misuse of this device can result in serious injury.

BEFORE AND AFTER EACH USE:

1. Inspect hose before each use for breaks or weakened spots.
2. Always shut off valve at tank when leaving the gun unattended for any length of time.

WARNING:

Please note that the shrink wrap you will be heating with the DS-RS100 can burn unless you are specifically using flame retardant shrink wrap. If heat is applied incorrectly, shrink wrap can ignite into open flame. It can also drop down onto other combustible material and cause secondary ignition and fire. If at any time you observe the shrink wrap on fire, immediately stop what you are doing and carefully inspect the area where you are working for a possible fire. Keep a fire extinguisher available at all times. Do not shrink wrap if the wind is over 10 mph.

PROPANE TANKS+

Two types of tanks are commonly available: liquid withdrawal and vapor withdrawal. It is crucial to use the vapor withdrawal type. **Never try to run the gun on a liquid withdrawal tank.** Using a liquid withdrawal tank will clog the orifice filter and may result in an extremely dangerous long flame.

Tanks are available in 6, 8, 10, 20, 30, and 40 lb. sizes. The gun will run on a 6 lb. tank if used only intermittently. Larger tanks should be chosen for continuous use. Smaller or nearly empty tanks ice up faster than large, full tanks. Typically, a full 30 lb. tank, if run continuously, will run 90 minutes before it ices up. If the production rates demand continuous use, the following methods may be employed: Multiple tanks. Switch the gun from one tank to another; Fan. An ordinary desk fan at the tank. The air flow around the tank will keep it from icing up.

HEAT TOOL OPERATION+

UNDERSTANDING THE HEAT TOOL:



CONTROLS:

| No. | Part | Function |
|-----|------------------------|---|
| 1 | Trigger | Activates gas valve and ignition wire |
| 2 | Valve* | Open fuel flow |
| 3 | Valve Adjustment Screw | Sets pressure |
| 4 | Igniter | Fires ignition wire |
| 5 | Fuel Line* | Carries fuel to orifice |
| 6 | Orifice* | Meters fuel |
| 7 | Body | Carries the fuel to the combustor to be ignited |
| 8 | Ignition Wire | Connects to the spark plug to create ignition |
| 9 | Spark Plug | Ignites mixture |
| 10 | Combustor | Source where flame is lit |

* Parts 2, 5, & 6 are one connected unit

CONNECTIONS:

Connect the gun, hose and regulator to the tank using a wrench to tighten the fittings which all have left hand threads.

START-UP:

After all connections are made and checked for leaks, the gun is ready for use. Turn regulator firmly down clockwise, then turn back one turn counter clockwise. (Pressure will increase by turning the regulator clockwise, and will decrease by turning counter clockwise). Open the tank valve. Wait approximately 5 seconds to fully pressurize the hose. To start the gun, squeeze the trigger slowly all the way until the igniter fires with an audible click. **CAUTION GUN WILL IGNITE.**

NOTES:

1. It is important to squeeze the gas trigger slowly. If the gas trigger is squeezed too quickly, the igniter will fire the spark plug before the gas mixture gets there.
2. Should the gun fail to fire fully, release the trigger fully to assure that the igniter is reset and repeat the starting procedure.

TROUBLESHOOTING+

The majority of the problems arise from using a liquid withdrawal instead of a vapor withdrawal tank. CHECK THIS ITEM FIRST.

| PROBLEM | PROBABLE CAUSE | REMEDY |
|----------------|-----------------------------------|---|
| Gun won't fire | Valve screw not adjusted properly | Without depressing the trigger, turn valve adjustment screw clockwise till gas is releasing. Then turn the screw back 1/4 turn. |
| | Trigger not depressed fully | Depress trigger all the way until igniter fires with a click. |
| | Handle activated too quickly | Squeeze trigger slowly to make sure mixture has entered combustor before firing. |
| | Pressure too low | Check Regulator. |
| | Trigger not released fully | Release the trigger to make sure the igniter is reset. |
| | Defective igniter or connections | Check for spark. Call for service options. |

TROUBLESHOOTING+

| PROBLEM | PROBABLE CAUSE | REMEDY |
|--|--|---|
| Gun won't fire (cont'd) | Gas not on | Check ON/OFF valve. |
| | Wrong fuel | Check for proper tank. |
| Combustor turns Red* (insufficient fuel flow) | Tank has iced up and tank pressure is below 15 PSIG. | Change to new tank. |
| | Excess flow check valve not open | Open tank valve and wait 10 seconds until hose is pressurized before using gun. |
| | Clogged orifice and/or filter | Remove and clean with compressed air. |
| | Clogged hose and/or fuel line | Blow out or replace. |
| Large Flame (fuel flow) | Leak in orifice assembly | Tighten orifice in holder and check. |
| | Wrong pressure | Turn regulator up to 15 -30 PSIG. |

*Leading edge of combustor will turn red under normal conditions. If more than 1" of combustor turns red trouble is indicated.

PARTS INDEX+



PARTS INDEX - INDIVIDUAL ITEMS

| | | | |
|---|--------------------------------------|----|------------------|
| 1 | Trigger | 10 | Combustor |
| 2 | Valve* | 11 | Right Handle |
| 3 | (this number is intentionally blank) | 12 | Left Handle |
| 4 | Igniter | 13 | Regulator |
| 5 | Fuel Line* | 14 | 25' Propane Hose |
| 6 | Orifice* | 15 | Safety Glasses |
| 7 | Body | 16 | Safety Gloves |
| 8 | Ignition Wire | 17 | Assembly Screws |
| 9 | Spark Plug | 18 | Assembly Nuts |

* Parts 2, 5, & 6 are one connected unit/assembly

**Dr. Shrink, Inc. is an authorized Rapid Shrink 100 repair center. If your heat tool is in need of repair, please call (800) 968-5147 to speak with a heat tool repair specialist.

WARRANTY+

Dr. Shrink, Inc. ("The Seller") warrants each RAPID SHRINK 100 shrink gun delivered, except as expressly noted below, to be free from defects in material and workmanship under normal use and service for 1 year after the date of delivery to the Buyer. Seller's obligations under this warranty are limited exclusively to those set forth below and are subject to the conditions also set forth below.

This warranty shall not apply to any unit: (1) which shall have been repaired or altered outside Seller's factory in any way so as, in Seller's judgment, to affect such unit's reliability; (2) which has been subject to misuse, negligence or accident; or (3) which has been operated or handled other than in accordance with the printed instructions prepared by Seller and provided by Seller with the unit.

THE WARRANTY GIVEN HEREIN IS EXCLUSIVE. SELLER DOES NOT WARRANT MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OR MAKE ANY OTHER WARRANTY OR AGREEMENT EXPRESS OR IMPLIED WITH RESPECT TO ANY NEW UNIT DELIVERED.

Seller's obligations with respect to any unit delivered to Buyer are limited exclusively to repair or replacement, if Seller's examination shall disclose to its satisfaction that the unit is defective as specified in the above warranty. Any defective unit shall be returned to Dr. Shrink, Inc., 315 Washington St., Manistee, MI 49660, postage or freight prepaid. Under such circumstances the risk of loss and freight charges both to and from Seller's plant be borne by the Buyer. Seller shall bear the cost of repair or replacement and the risk of loss while the unit is in its possession. Seller shall reship any such replacement or repaired unit to Buyer, prepaid.

The remedy provided herein is the exclusive remedy for the Buyer. Seller shall not be responsible for incidental or consequential damages including, without limitation, claims for property damage, lost profits, interruption of operations, or the like caused by any unit delivered to Buyer.

RS RapidShrink 100

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OWNER'S MANUAL

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