

Super Jr. Wax Injector Instructions

1. Remove the top cover plate.
2. Add your wax of choice to the unit.
3. Tighten knobs uniformly to hold down the cover. Keep dirt from entering into the pot. Accumulating under the cover or on the O-ring. This tends to create air leaks.
4. Connect the airline to the input nozzle and plug into your power source (either 110V or 220V).
5. Insert stainless steel thermometer, (SKU: 74-052), into the well through the cover and adjust the temperature dial to the proper temperature 160°F (71°C) for most waxes. The temperature displayed on the thermometer should correspond to that indicated on the control dial. If that does not synchronize, adjust the knob.
6. We recommend that you place a Romanoff desiccant filter (SKU: 75-002 or 75-0021) as close to the wax injector location as possible to ensure a dry and clean air source.

The pressure required will vary between 4-6 PSI. (approximately 30-40 KPA) for simple heavy designs. 9-12 PSI (approximately 60-80 KPA) for thin and complicated designs.

Pressure is adjusted via the turning knob/handle. Turning counterclockwise decreases while turning clockwise increases the pressure. Talcum powder used on the mold and in the air releases and enables the wax to flow into the design. The rubber mold is held between two aluminum mold plates and is pressed against the nozzle, depressing and holding it in place until molten wax fills the mold. This process takes about 5 to 10 seconds.

After the wax solidifies, open the mold and remove the wax design. Use Spirits Mold Release Spray (SKU: 75-003) to readily release and remove undercut designs. Do not depress nozzles unless a mold is pressed against it. Each time a nozzle is depressed, hot wax is emitted.

If wax drips of its own accord from the nozzle, either of the following is needed:

(1.) Cleaning (2.) Replacement of the spring and O-ring, (3.) Replacement of complete push-valve.

To correct, please do the following:

1. Shut off the air supply to the injector and reduce air pressure in the pot to air pressure.
2. Prepare a plug to seal the hole in the pot when the push valve assembly is unscrewed (a rag on pencil will suffice).
3. Remove the complete push-valve assembly with a proper fitting wrench, unscrew the tip and pressure steam to clean the entire assembly.
4. Remove the plug and screw the entire assembly back into the unit.
5. If the valve continues to leak, replace the valve as soon as possible.