ROMANOFF INTERNATIONAL

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Air Pressure Wax Injector
74-075,74-075-HP,74-075A-HP,74-057,74-057-2, 74-057-HP,74-057A,74-057A-2P,73-040

1. Remove top cover plate
2. Add your wax
3. Tighten knobs uniformly to hold cover down. Keep dirt from getting into pot, accumulating under cover, or on "O": ring. It will tend to create air leaks.
4. Connect airline to input nozzle and plug into power source (either 220V or 110V), whichever is indicated on unit.
5. Put stainless steel thermometer, item #74-052, into well through cover and adjust temperature dial to proper temperature 160 F (71 C) for most waxes. Temperature shown on thermometer should correspond to that indicated on control dial. If it does not synchronize, adjust knob.

6. We recommend that you place a Romanoff desiccant filter (#75-002 or #75-0021) as close to the wax injector location as possible to insure a dry and clean air source.

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

Pressure is adjusted by turning knob/handle on regulator counter clockwise to decrease pressure and clockwise to increase pressure. Talcum powder used on the mold and in the air releases, assists the wax flow into the design. The rubber mold is held between aluminum mold plates and is pressed against the nozzle, depressing it and holding it there until molten wax fills the mold. This takes about 5 – 10 seconds.

After wax solidifies, mold is opened and wax design is removed. Sprits (#75-003) mold release spray is used only on complicated undercut designs to release wax readily. Do not depress nozzles unless a mold is pressed against it. Each time 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, do the following:

A. Shut off air supply to injector and reduce air pressure in pot to 0 air pressure.
B. Prepare a plug to stuff hole in pot when push-valve assembly is unscrewed (a rag on a pencil will suffice).
C. Remove complete push-value assembly with proper fitting wrench, unscrew tip and pressure steam clean entire assembly.
D. Remove plug and screw complete assembly back into unit.
E. If valve continues to leak, replace it.