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Super F Injection Press System

GRP/ITEM # 072-04-0215

The SUPER F INJECTION PRESS SYSTEM is actually a combination of three separate machines currently used in the market.

1. It is a flask press.
2. It is a deflasking unit.
3. It is an injection press.

The denture or appliance is invested in plaster in the same manner as that used for conventional flask methods. First invest the bottom half of the flask even with the metal rim of the flask. When the second half of the flask is ready to be placed the case is sprued with round wax sprues luted to the appliance is an "S" shape to the entrance hole of the flask. Smaller gauge round sprues are luted to the case to allow for air to escape through vent holes found on the flask on either side of the main sprue hole.

Placement of the main sprue should be such that the entire appliance will be filled with acrylic before the vent sprues begin releasing excess acrylic.

1. The top half of the flask is now positioned and the flask closing rings (three (3) altogether) are placed on the flask and gently tapped on with a wooden mallet or against a firm counter. It is critical that the metal rims of the two flasks be clean so that there is metal-to-metal contact when the two halves are closed together. The second pour of plaster is then vibrated into the mold through the opening on the top of the flask and the metal knock out plate is seated and excess plaster is allowed to exude through the hole. Excess plaster is removed flush with the plate.
2. Remove the remaining rings by inserting them in the built-in-ring remover on the press and gently pulling the lever forward. Boil out wax in the usual manner. We recommend Justi Wax Solvent #20 to complete the removal of wax. When the flask is clean, the teeth and/or wire should be checked for proper position and, if necessary, a small drop of cyanoacrylate can be used to secure the part against the plaster mold.
3. Coat the mold surface with a good quality separator. Allow to dry and remount the FLASK CLOSING RINGS, as in step #2.
4. Mount the flask in the injection press by way of slots on the flask so that the flask is lined up with the INJECTION CUP and then close the left hand lever to secure the flask during the injection of the acrylic material.
Mix your acrylic until the material is very slightly tacky (just before it starts to snap). Place the acrylic in the injection cup and gently screw the injection piston down until the acrylic just begins to escape from the two-vent holes on the flask.



Allow the flask to remain in the press for 60 seconds, then remove it and continue processing in your normal manner for the acrylic used. As you will realize, at this time, if all steps have been followed correctly, then you cannot have an open bite. The acrylic you have just injected is subject to 5 times the pressure of conventional packing without the release of pressure, which occurs each time you trial pack in conventional system.

Deflasking: Remove the retaining rings and separate the flask by inserting same bottom side up in the two "V" shaped notches on the press uprights. Screw the piston down against the knock out disc to remove the bottom half. Remove the top knock out disc and repeat the above to remove the second half of the flask.

The SUPER F INJECTION SYSTEM lends itself to ANY cure acrylic on the market today and is especially suited to the 20-minute heat cure types, due to extreme accuracy produced by the injection technique. The system is economical, both from the initial investment cost through to the costs of acrylic when compared to similar systems on the market today! The SUPER F INJECTION SYSTEM is ideal for night guards, splints, bionators, dentures, ortho appliances, plastic bridges and other small custom molding applications!

Products for Better Dentistry

Additional questions, to place your order, or for the Dealer nearest you, please call the Tooth Express Order Desk at 800-628-1437.