



Chamber Dimensions:

24" diameter x 30" deep

Options Shown: Deep micron vacuum pump, chamber heating jacket with LED vacuum and temperature controls, quick opening lock-ring construction.

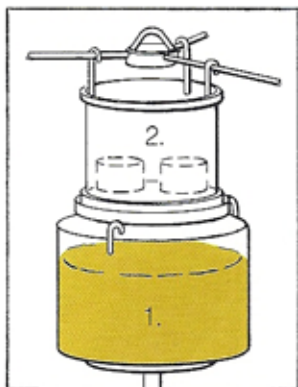
***U.S. Patent #4,479,986**

This new concept offers a high degree of flexibility over conventional two-tank impregnation systems. This system is best suited to a production environ-

ment utilizing a variety of difficult-to-handle impregnation mediums and potting compounds, or as a multi-purpose prototype system for experimentation with small quantities of a variety of impregnating solutions. We at Imprex feel one of the major advantages of the three-phase concept is in the area of resin storage and/or maintenance. If the resin requires refrigeration, for example, you would merely remove the reservoir (resin bowl) from the system and store accordingly. Typical resin quantities required to operate this 24" diameter system are between 8 to 12 gallons. 12" to 48" diameter systems are available in this or modified configurations.

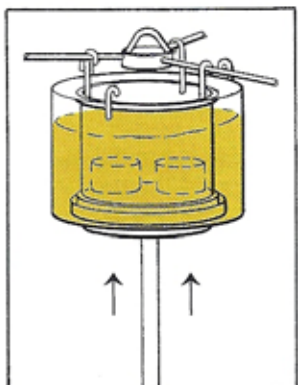


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Phase I: EVACUATION

1. An open-top reservoir (resin bowl) of impregnating medium is placed on a raise/lower table in the bottom of the chamber.

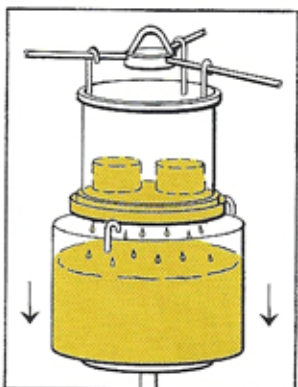
2. A basket of parts or individual components to be impregnated is suspended in the top area of the chamber above the reservoir bowl assembly.

Phase II: SUBMERSION

3. After the dry vacuum cycle is completed, the table with the reservoir bowl assembly is raised to flood parts.

4. A wet vacuum "soak" cycle could be utilized.

5. The pressure cycle is then begun.

Phase III: EMERGENCE

6. After the pressure cycle is completed, the chamber pressure is vented, the table is lowered away from the parts for drip-off purposes, and impregnated parts are then removed.

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