



# US DENTAL DEPOT

## US DENTAL DEPOT

6555 NW 9<sup>th</sup> Avenue suite 212  
Fort Lauderdale 33309  
Florida USA

USA - 1 1866 625 5558 – 1 954 874 6325

Colombia 57 1 489 9051

Peru 51 1 707 3444

Venezuela 58 212 729 1639

Argentina 54 11 5258 7148 Cba 54 351 569 1409

[www.USDENTALDEPOT.com](http://www.USDENTALDEPOT.com)



### Instructions for Pressure Dome

The new Pressure Dome is a helpful tool for fabricating a variety of appliances when using a vacuum forming machine. This new attachment hooks into any existing compressor's 3/8 inch air line to provide extra pressure for molding thermoplastics onto a patient's study cast. Positive pressure in conjunction with vacuum pressure will help provide optimum adaptation results when thermoforming appliances.

### Hooking Pressure Dome to air lines

- 1) To hook up this helpful tool, we suggest you contact your regular dental service representative. They can assist you in attaching the Pressure Dome to your existing air lines.
- 2) A 3/8 inch air line is required for the Pressure Dome. Check the inside diameter of the existing air line. Also check to make sure you have between 80 and 100 PSI of air pressure.
- 3) If the air lines are 3/8 inch diameter, SHUT OFF THE AIR SUPPLY. Cut the air line nearest to where you are going to be operating your vacuum former.
- 4) Insert a T valve into both ends of the sliced air line. Run a 3/8 inch hose off the T valve to the Pressure Dome hosing or hook the Pressure Dome directly to the T valve.
- 5) Check for air leaks.
- 6) Press the relief switch on the Pressure Dome handle to make sure air is flowing.
- 7) NOTICE: If air lines are only 1/4 inch, contact your dental service representative. You may need a reservoir tank to accumulate enough air volume to operate the Pressure Dome or you may need to run 3/8 inch tubing to an appropriate air supply connection.

### Using with Vacuum Unit

- 1) Heat the thermoplastic to be used on your vacuum unit as normal.
- 2) Lower the heated material onto model, and turn on vacuum.
- 3) Immediately after turning on vacuum, place Pressure Dome on to the top part of the vacuum's frame. Make sure the Dome is sitting directly on top of the vacuum frame.
- 4) Firmly hold the Pressure Dome down onto the vacuum machine's metal frame. Turn air pressure on by depressing the release switch built into the Pressure Dome's handle.
- 5) Hold in place for at least 30 seconds. If using some of the more advanced laminating techniques, you may have to hold the Pressure Dome in place for a longer period of time.

*You may want to spray the gasket in the Pressure Dome periodically with a Silicone Release agent so that the gasket does NOT stick to the hot frame on the vacuum machine.*