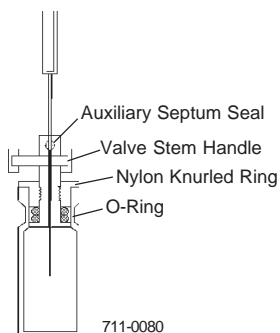


Operating Instructions for Mininert® Valves (for serum bottles)



To Install Valve:

1. Loosen the movable knurled ring.
2. Keep the bottle neck dry. If the bottle is filled with liquid, open the valve and insert a needle through the septum to release compression.
3. Insert the valve into the bottle.
4. Tighten the ring snugly (about two turns). **Do not overtighten** – it is okay if the valve rotates in the bottle neck.

To Remove Valve:

1. Unscrew the knurled ring.
2. Pull the valve up, twisting slightly.

To Open Valve:

1. Press the green button against the valve body.
2. The ports will align, permitting needle insertion for sampling. The auxiliary septum seal (if in good condition) will prevent sample loss or exposure.

To Close Valve:

1. Withdraw the needle and press the red button against the valve body.

To Replace the Auxiliary Septum:

1. Valve must be in closed position.
2. Push the old septum out of the valve using a septum inserter (Cat. No. 33311) or a smooth, rounded metal rod.
3. Gently press a new septum (Cat. No. 33310-U) into the valve and **work it in carefully** using a flat surface or a rod. Avoid excessive force that may distort the septum.

WARNING!
Pressurization of glass vessels can be dangerous.
Use glass vessels as pressurized containers,
with or without Mininert valves, at your own risk.

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