



We're thinking on a higher level.

PA0002 (AUTO)



## LYN & EVA VALVES

PA0300 (MANUAL)



PA0500 "EVA" (HIGH VAC)



## INSTRUCTIONS FOR USE

All Valves NOW fit our Original Housing

### Installation in Laminated Sockets

1. Determine valve location on cast model and flatten area with a SurForm file to insure dummy sits flush.
2. Place separation layer and first PVA bag over cast model. Use indelible marker in center of dummy hole to mark dummy location. Reinforce area of PVA bag to prevent tearing. Use screw provided. After dummy has been screwed into cast ON TOP of PVA bag, press self-adhesive disc over screw.
3. Place laminating fabrics and second PVA bag over dummy. After mixing resin, place under vacuum to remove trapped air. Pour resin.
4. Allow socket to cool. Using a disc sander, expose enough area to remove self-adhesive disc and screw. Continue sanding until the RED dummy face is SLIGHTLY SCUFFED and socket material is flush with the dummy face. DO NOT OVER SAND.
5. BEFORE housing is inserted into socket, CHECK TO SEE that the factory installed black rubber "O" ring is still seated in the groove of the housing. Place aluminum nut over valve housing and FIRMLY HAND TIGHTEN. Silicone sealant should not be necessary if the valve nut is properly tightened and seated.
6. Insert valve and turn clockwise. GENTLY HAND TIGHTEN. The valve has an automatic STOP point. Do not attempt to turn valve after that stop point has been reached NOTE: It may be helpful to first turn the valve counter clockwise and then clockwise to ensure that threads are properly engaged.

### Installation in Thermoplastic Sockets

1. Determine valve location on cast model and flatten area with SurForm to ensure dummy sits flush. Use indelible marker in hole of dummy to mark the cast.
2. Drill 1/8" pilot hole for dummy holding screw AND drill another vacuum hole adjacent (1/2") to the pilot hole using a long drill. Vacuum hole should extend to the top of the cast model. This second hole is very important to achieving superior molding of the plastic socket over the valve dummy.
3. Mount dummy with its small air holes oriented in a vertical position over the pilot and vacuum holes. Use the screw provided. After dummy is in place, press self-adhesive disc over screw.
4. Blister or drape mold thermoplastic socket. Guide plastic around dummy to ensure proper molding.
5. Allow plastic to cool. Using a disc sander, expose enough area to remove the self-adhesive disc and screw. Take cast to disc sander and continue sanding until the RED dummy face is SLIGHTLY SCUFFED and the plastic is flush to the dummy face. DO NOT OVER SAND.
6. Blow socket off cast model. NOTE: If you are planning to use the Flex-Connect system, DO NOT REMOVE the socket from the cast at this time. See Flex-Connect Instructions to continue.
7. BEFORE housing is inserted into socket, CHECK TO SEE that the factory installed black rubber "O" ring is still seated in the groove of the housing. Place aluminum nut over valve housing and FIRMLY HAND TIGHTEN.
8. Insert valve and turn clockwise. GENTLY HAND TIGHTEN. The valve has an automatic STOP point. Do not attempt to turn valve after that stop point has been reached. NOTE: It may be helpful to first turn the valve counter clockwise and then clockwise to ensure that the threads are properly engaged.

### Disassembly and Cleaning of the Lyn Valves/EVA Valve

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| <ol style="list-style-type: none"> <li>1. Rest valve body on holder (RV Tool, purchased separately)</li> <li>2. Using thumb, press firmly (20-25lbs of pressure) on center of button.</li> </ol> | OR | <ol style="list-style-type: none"> <li>1. Screw valve insert into housing ½ way.</li> <li>2. Turnover, button side down onto table and press down with palm of hand until "click" is heard.</li> <li>3. Turn valve over and push on center button to completely disassemble valve.</li> </ol> |
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The Auto-expulsion valve (PA0002) will come apart in five pieces, and the Manual valve (PA0300) into two pieces and the EVA (PA0500) valve into two pieces. For EVA, remove vacuum tubing, then loosen screw on barb and turn counterclockwise to remove and clean it. Thoroughly wash with hot soapy water, rinse, gently blow dry and then reassemble.

### Reassembly of the Lyn Valves/EVA Valve

To reassemble the Auto-expulsion valve, place rubber diaphragm with plastic side down into front part of valve insert-tap lightly to seat properly. Snap on back part of valve insert. Turn valve face up and set spring in place. Place small plastic button over spring and turn over, button side down onto table. Press down firmly until button snaps in place.

To reassemble the Manual valve, snap two parts together firmly until a "click" is heard.

EVA: You cannot overtighten the barb, just turn clockwise and tighten barb screw to your desired direction, reconnect tubing to barb.

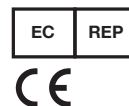


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