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LYN VALVE/RV PA0002 (AUTO) PA0300 (MANUAL)



Instructions for use

Installation in Laminated Sockets

1. Determine valve location on cast model and flatten area with Sureform 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 reinforcing layers 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.**
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 insure that threads are properly engaged.

Disassembly and Cleaning of the Lyn Valve/Rv

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| 1. Rest valve insert on holder. | 1. Screw valve insert into housing ½ way. |
| 2. Using thumb, press firmly (20-25lbs of pressure) on center of button. | -OR- 2. Turn over, button side down onto table and press down with palm of hand until "click" is heard. |
| | 3. Turn valve over and push on center button to completely disassemble valve. |

The Auto-expulsion valve (PA0002) will come apart in five pieces, and the Manual valve (PA0300) into two pieces. Thoroughly wash with hot soapy water and reassemble.

Reassembly of Lyn Valve/RV

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.

Installation in Thermoplastic Material

1. Determine valve location on cast model and flatten area with Sureform to ensure dummy sits flush. Use indelible marker in center hole of dummy to mark the cast.
2. Drill 1/8" pilot hole for dummy holding screw...**AND**...drill vacuum hole adjacent (1/2") to the pilot hole using a long drill. Vacuum hole should extend to the bottom of the cast model.
3. Mount dummy with small **air holes 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 FlexConnect system, **DO NOT REMOVE** the socket from the cast at this time. See FlexConnect Instructions.
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 insure that threads are properly engaged.



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