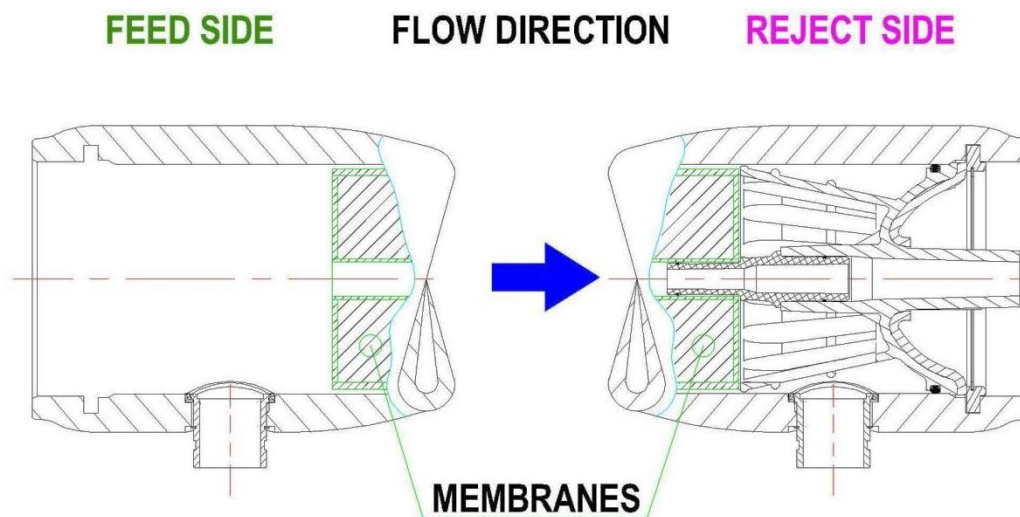


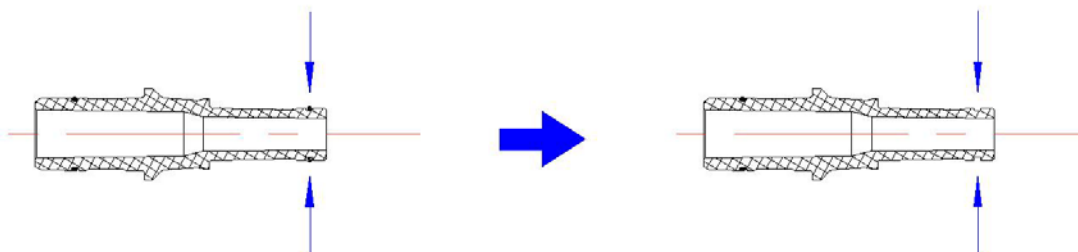


BEL SHIMMING PROCEDURE

- 1.- CLOSE THE VESSEL ON THE REJECT SIDE.
- 2.- LOAD THE MEMBRANES FROM FEED SIDE TO REJECT SIDE.



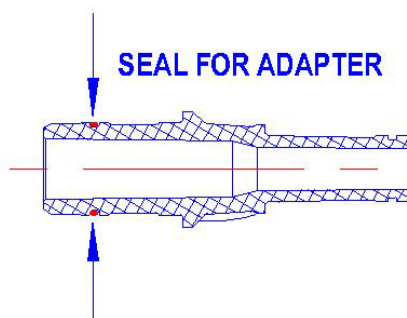
- 3.- REMOVE THE ADAPTER FROM THE END CAP AND REMOVE THE O-RINGS OF THE MEMBRANE SIDE.



- 4.- SETTLE ADAPTER WITHOUT O-RINGS (*in the membrane side of the adapter*) INTO THE END CAP.

NOTE 1: KEEP THE ADAPTER O-RING AT THE END CAP SIDE.

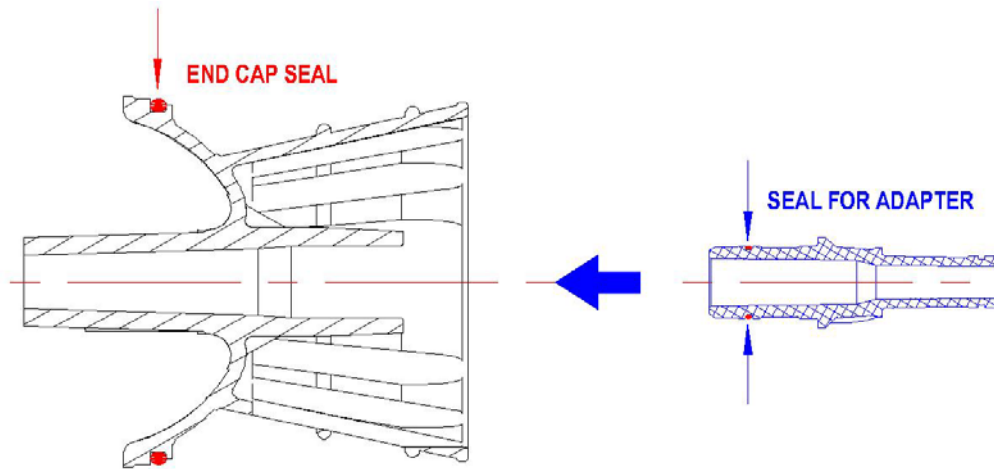
NOTE 2: APPLY SOME LUBRICANT (GLYCERIN) ON THE ADAPTER O-RING, AT THE END CAP SIDE, AS IT IS SHOWN IN THE NEXT FIGURE.



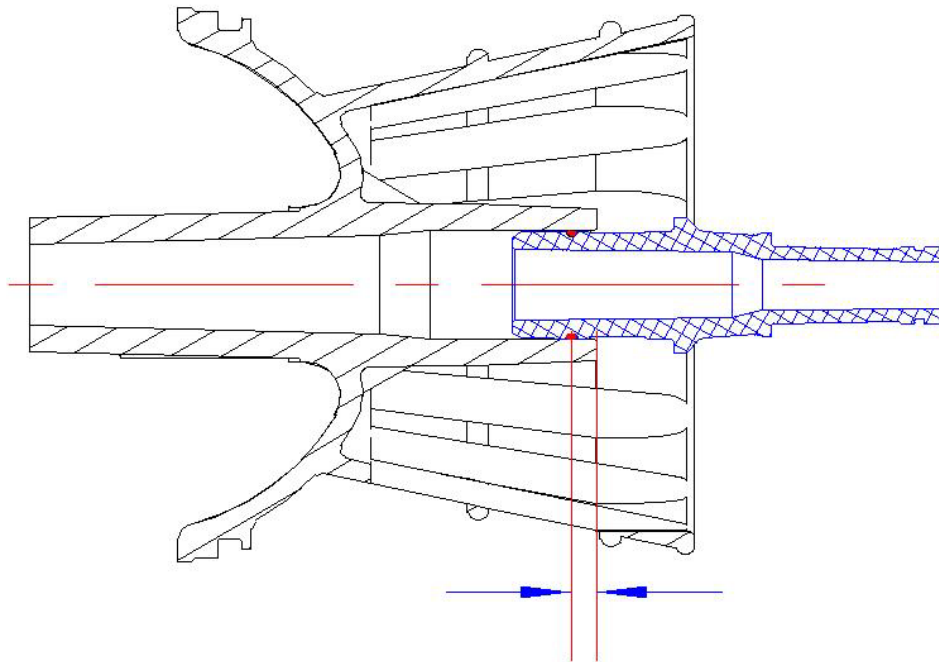
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5.- REMOVE THE SEAL FOR END CAP.



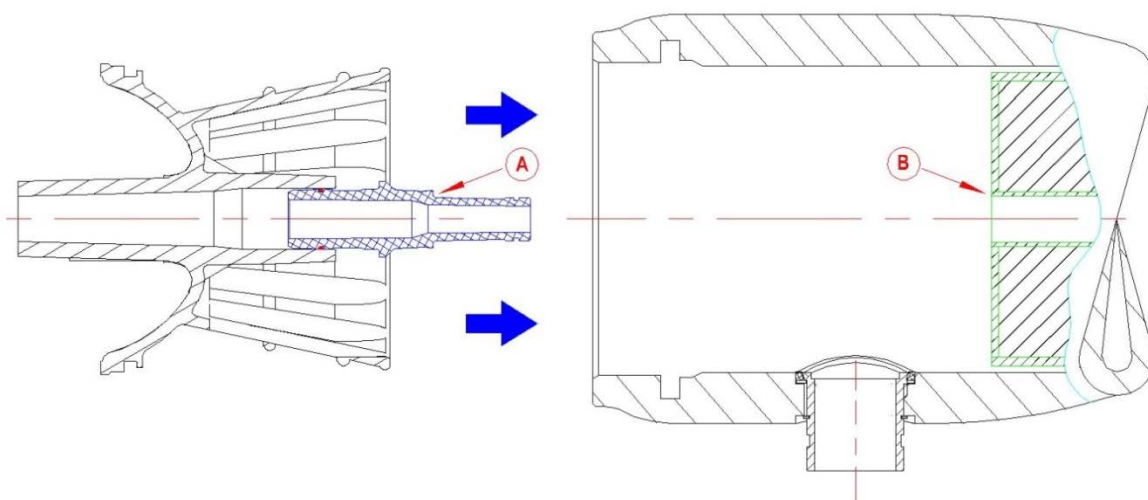
6.- PUSH THE ADAPTER INTO THE END CAP UNTIL THE EDGE OF THE SEAL FOR ADAPTER REACH THE END CAP HOLE TO PLACE IT.



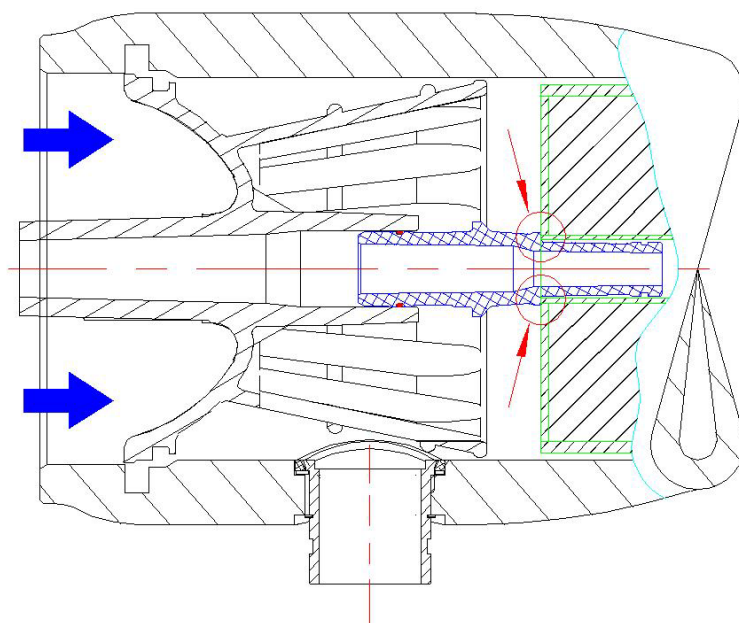
NOTE 3: DO NOT PUSH THE ADAPTER TOO MUCH INTO THE END CAP HOLE



7.- INSERT THE KIT END CAP – ADAPTER INTO THE VESSEL.



NOTE 4: INSERT THE KIT SLOWLY UNTIL THE POINT "A" BE IN CONTACT WITH POINT "B", AS IT IS SHOWN IN THE NEXT FIGURE.



8.- AS THE ADAPTER HAS NO O-RING IN THE MEMBRANE SIDE, THE ADAPTER WILL BE PLACED INTO THE MEMBRANE PERMEATE TUBE WITHOUT ANY RESISTANCE.

NOTE 5: THE ADAPTER WILL KEEP THE SAME POSITION INTO DE END CAP HOLE

9.- KEEP ON PUSHING THE END CAP UNTIL IT REACH ITS FINAL POSITION INTO THE VESSEL.

NOTE 6: IN THE PROCESS OF PUSHING THE ADAPTER WILL MOVE INTO THE END CAP HOLE.



IN ORDER TO AVOID ANY POSSIBLE MISMATCH WITH THE TOLERANCES OF THE
PIECES INVOLVED, WE WILL ADD ONE ADDITIONAL 1 mm SHIMMING DISK.

THE DISTANCE "X+1mm" IS THE REAL SPACE TO BE SHIMMED WITH DISK SPACERS



X

11.- REPEAT THE OPERATION WITH EVERY VESSEL TO OBTAIN THE REAL SHIMMING DISTANCE FOR EVERY VESSEL.

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