

8 inch AnyChem™ Membrane Housings

Presentation

- AnyClic, Self-sealing Endplate.....02
- AnyDistance.....22

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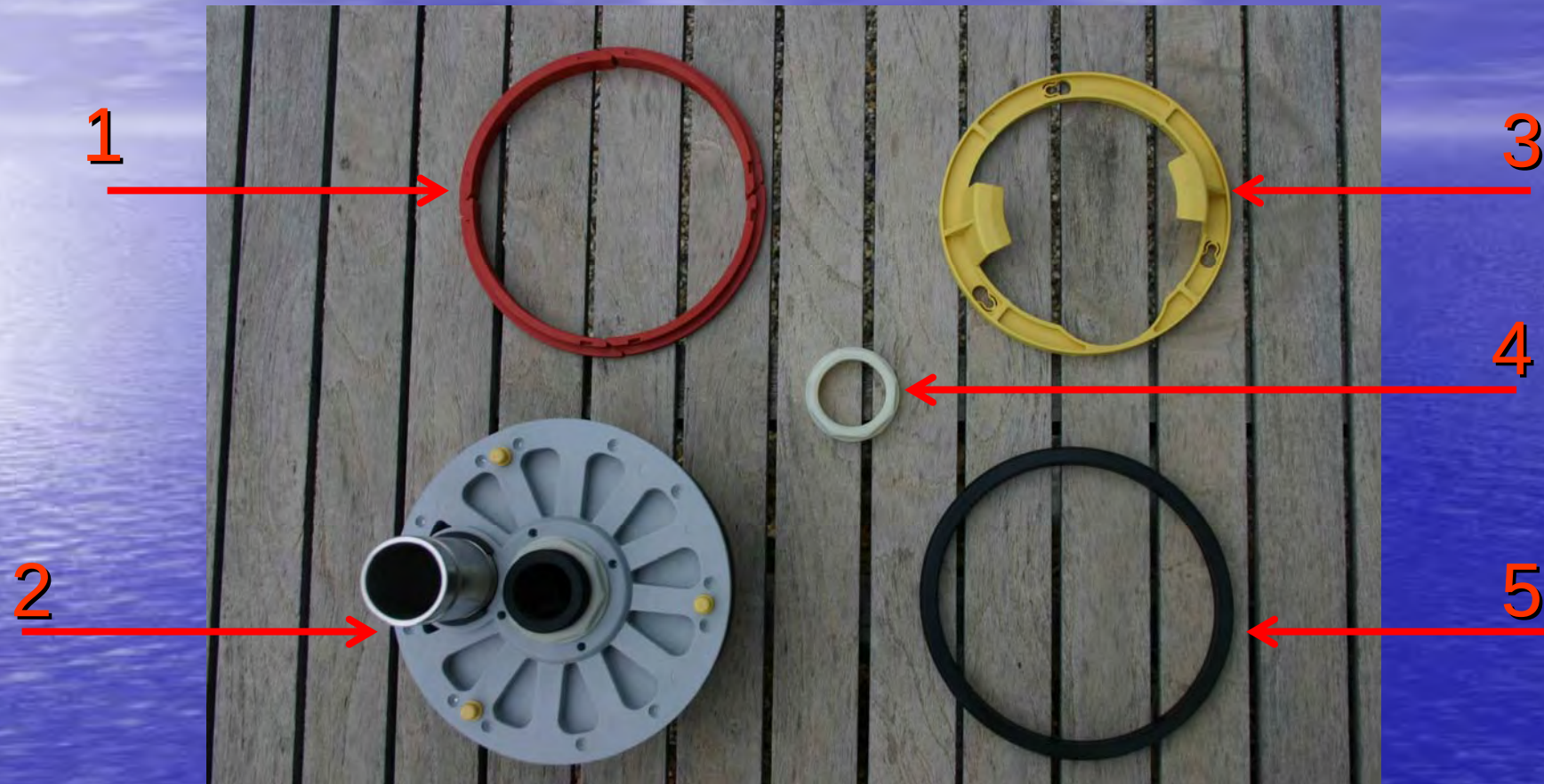
Patent pending

AnyClic: Self-sealing Endplate Facilitate your works



AnyClic: Self-sealing Endplate

Facilitate your works



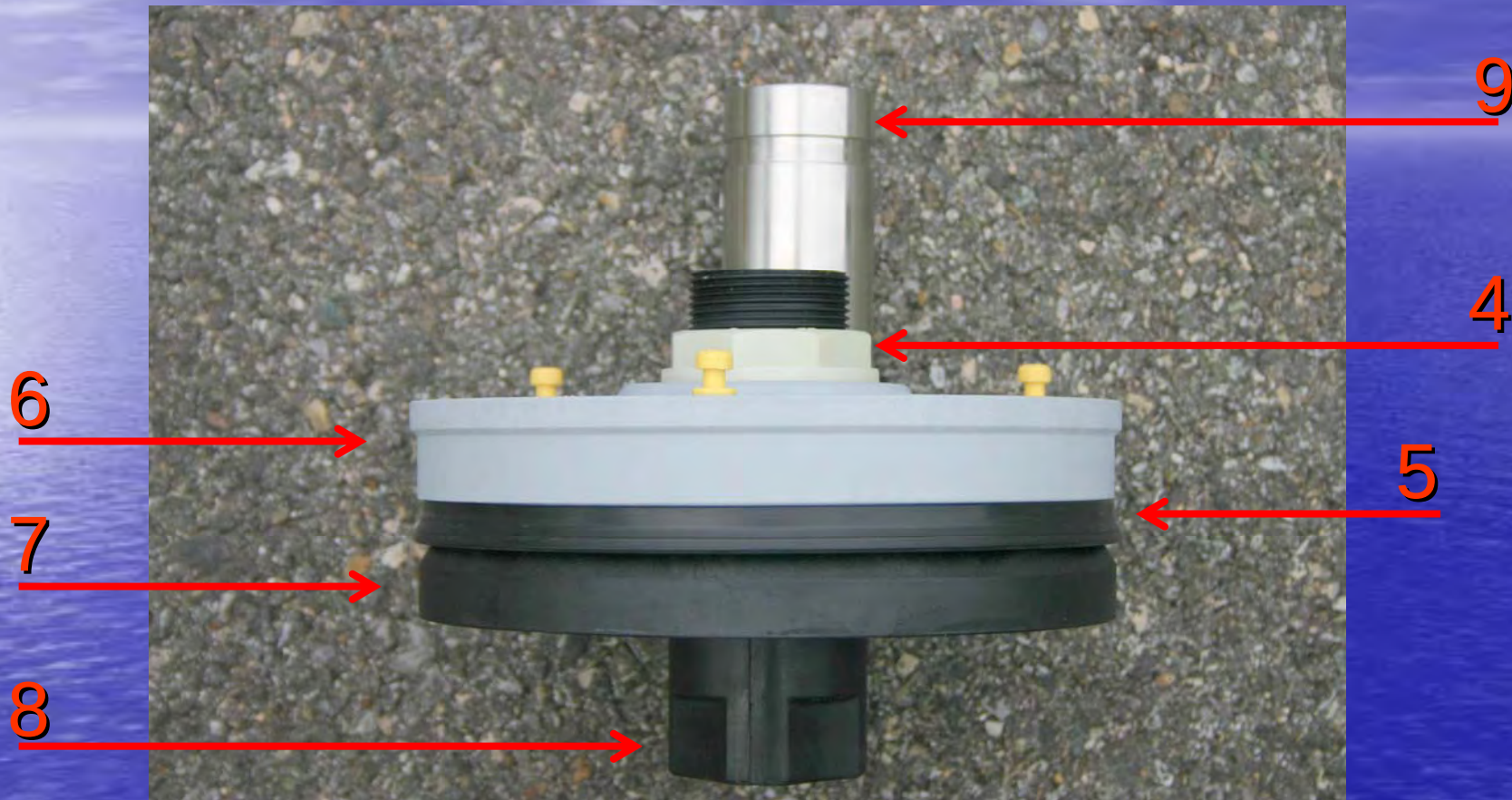
- 1, Segment Rings
- 2, Endplate
- 3, Locking Ring

- 4, Lock Nut
- 5, Lip Ring

Patent pending

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- 4, Lock Nut
- 5, Lip Ring
- 6, Front Plate

- 7, Back Plate
- 8, Permeate Port Body
- 9, HP Port

Part I: Assembly



Patent pending

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- Assemble Endplate(2) and Spacer(8) as shown.

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- Put Endplate(2) and Spacer(8) into pressure vessel.
- CAUTION: The Spacer(8) must be placed on the down stream side.

Patent pending

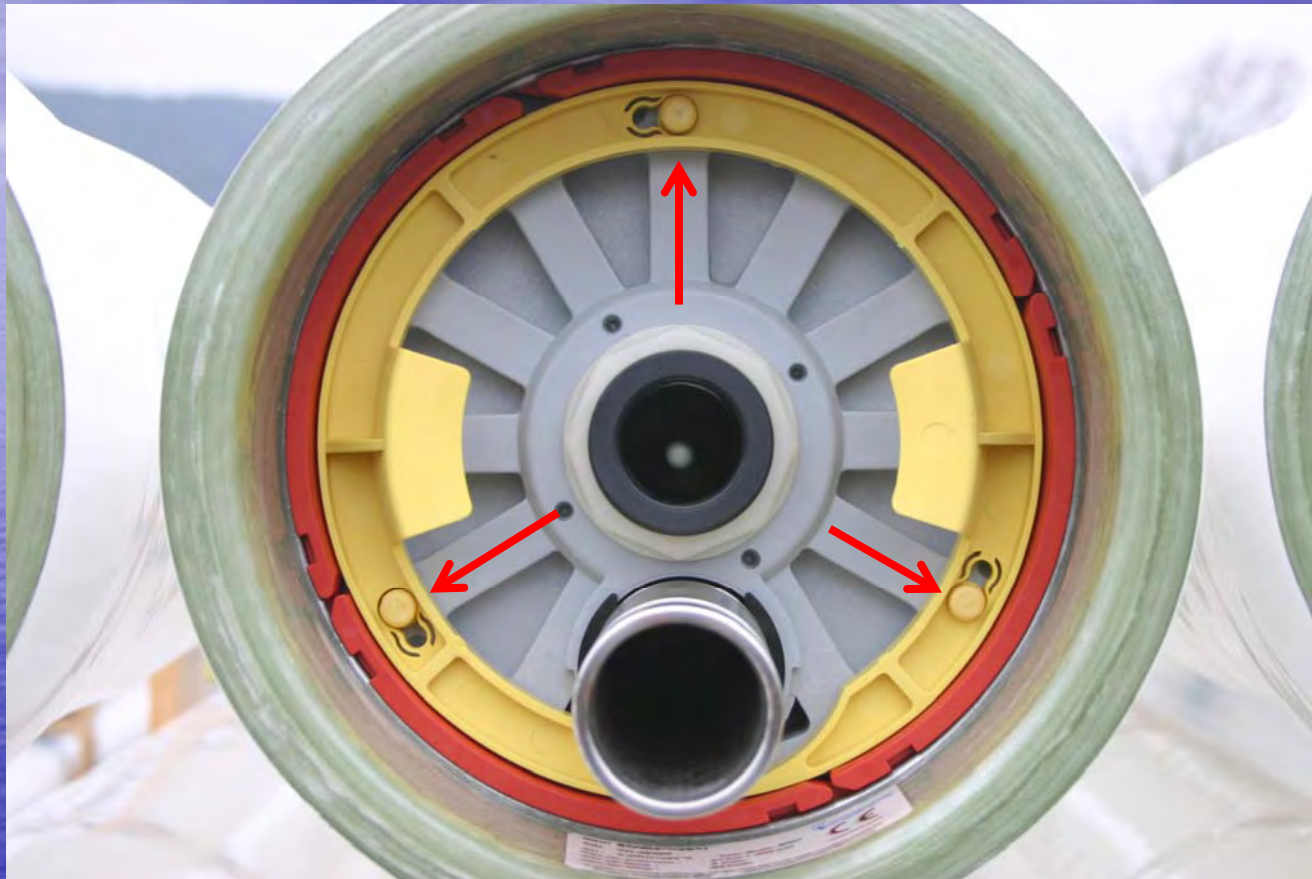
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- Install the Segment Rings(1).

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- Put on the Locking Ring(3) properly.

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- Turn the Locking Ring(3) around in clockwise direction. *

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- * A plastic mallet could help you to fix easily the Locking Ring by tapping the ear.

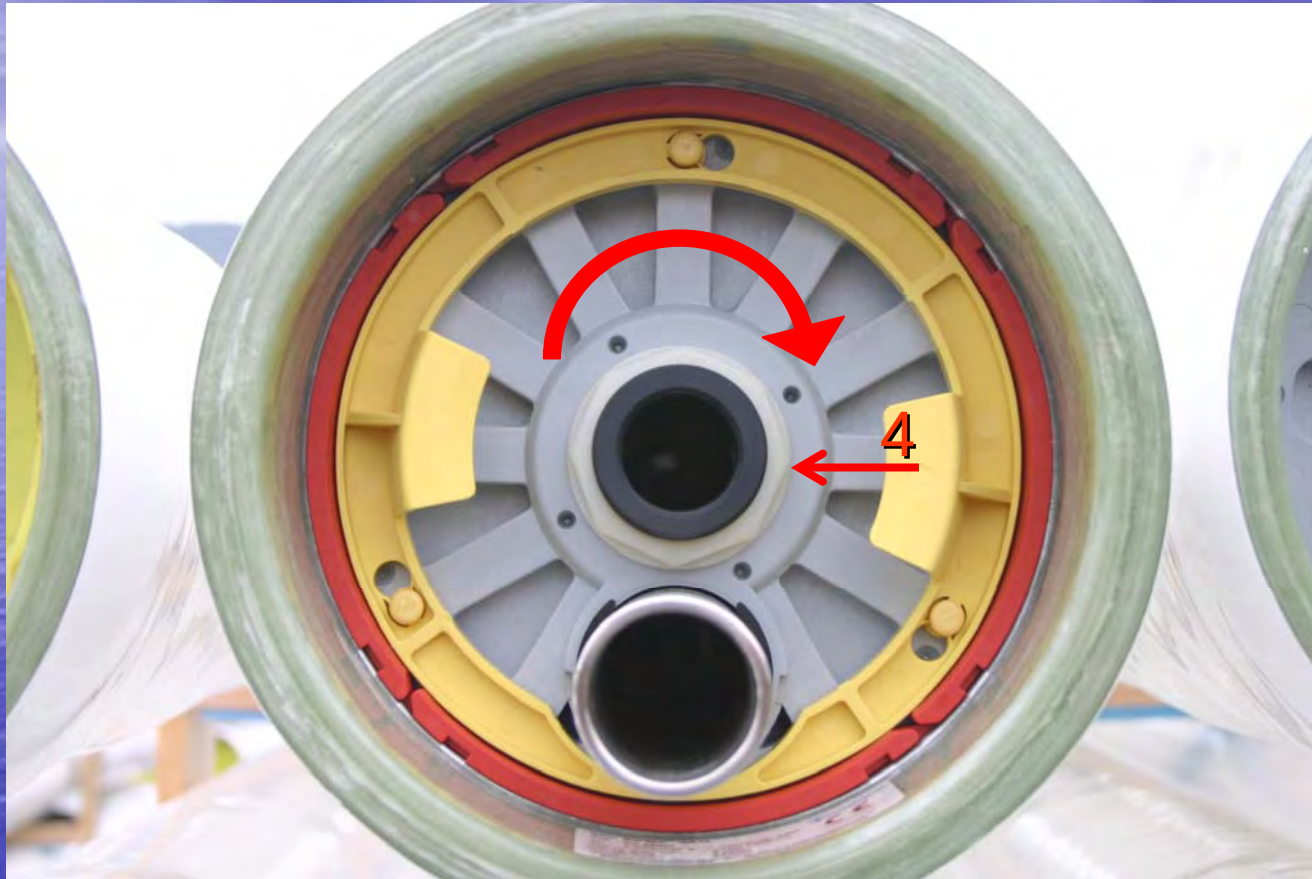
Patent pending

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- After a sound of click, the Locking Ring(3) will be fixed.

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- Make sure that the Endplate(2), the Segment Rings(1), and the Locking Ring(3) are properly installed.
- Lock Nut(4) should be hand tightened.

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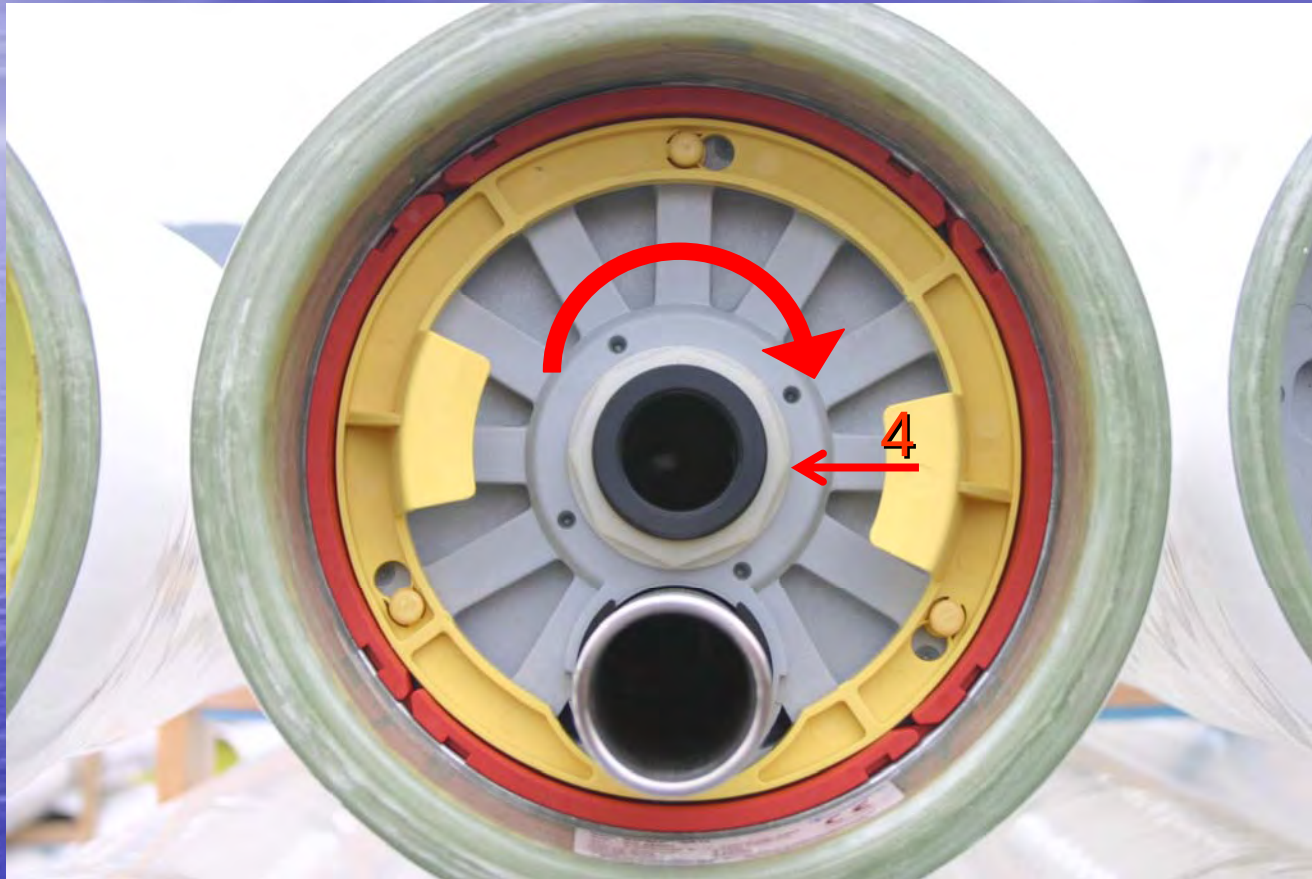
Facilitate your works



- Raise the pressure as high as possible, always respecting the maximal operational pressure. During the pressurization, the Back Plate(7) will push and spread the Lip Ring(5) forward which will also push the permeate body forward.
- The Lock Nut(4) will become loose again.

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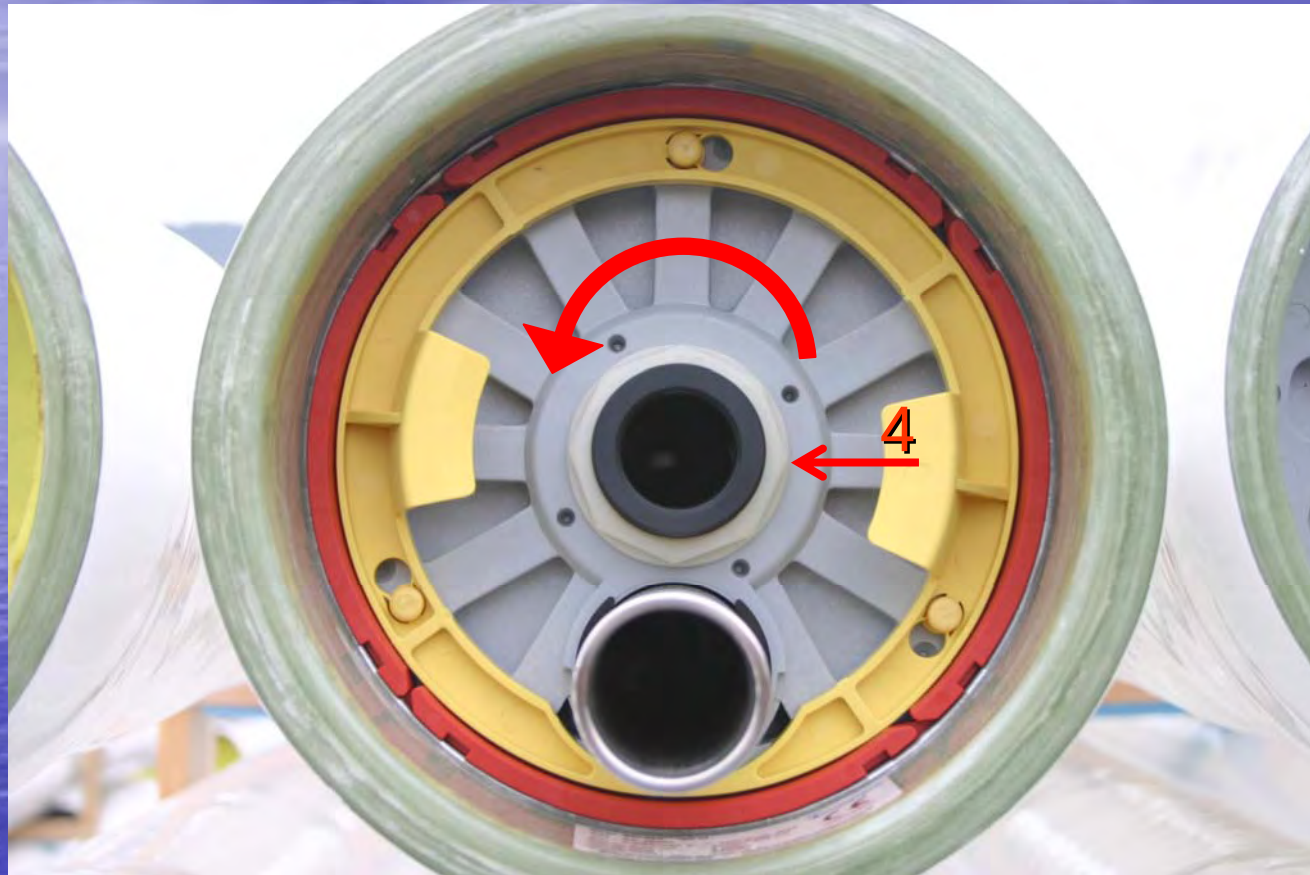
- You have to hand tighten the Lock Nut(4) again.
- This will keep the compression of the Lip Ring(5) against the walls of the vessel even after depression.

Part II: Disassembly



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- If you want to change the Endplate(2), raise the pressure as high as possible, always respecting the maximal operational pressure. During the pressurization, loosen the Lock Nut(4).
- Then decrease the pressure to zero.

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- **Then make sure that there is no pressure in the vessel before you follow the next step.**
- Now you can take off the Locking Ring(3)* and Segment Rings(1).
- * A plastic mallet could help you to loosen easily the Locking Ring by tapping the ear.

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- Then reinstall the Locking Ring(5) properly as shown above.

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- Grasp the ears and pull out.

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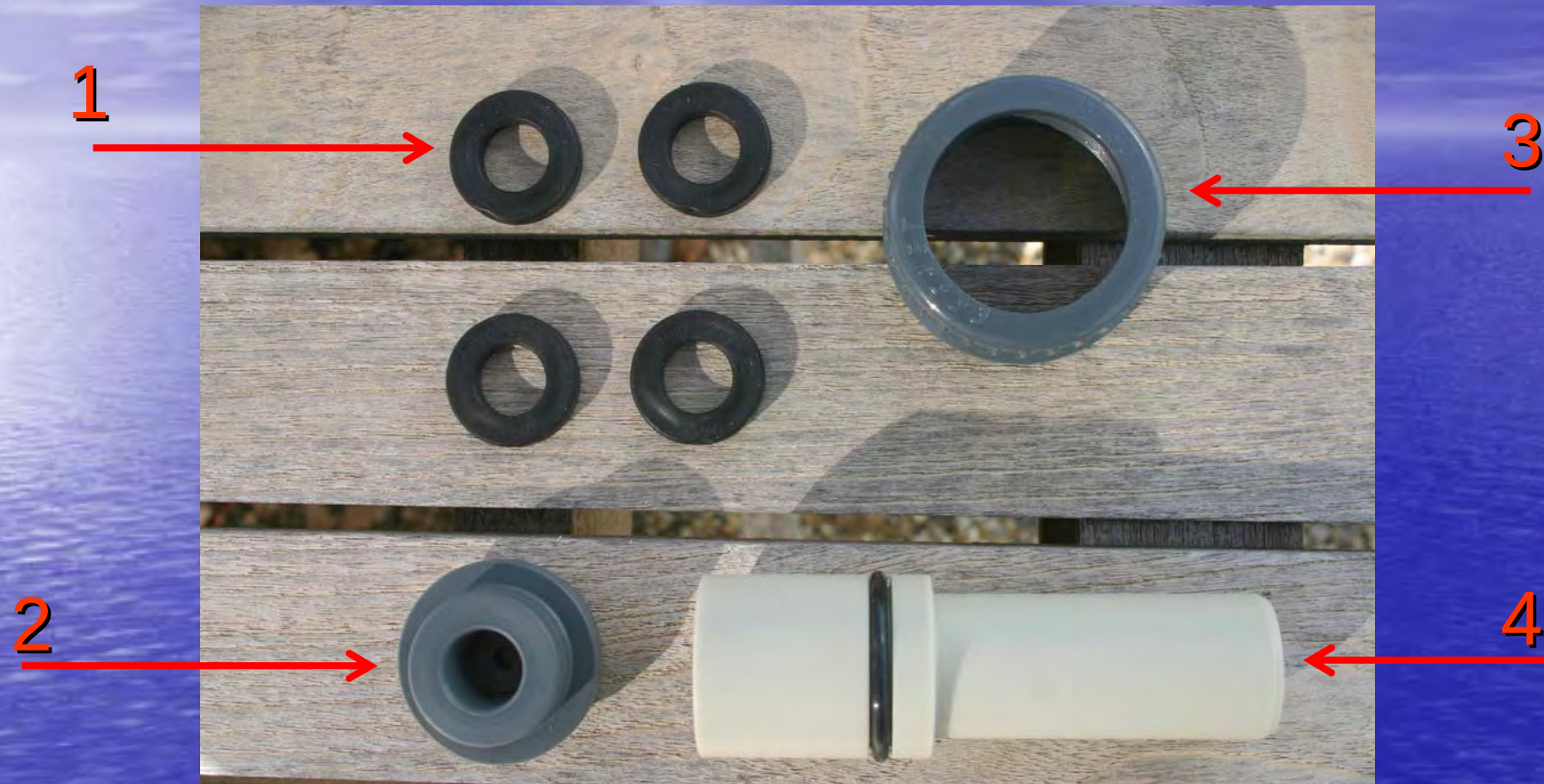


- The Endplate(2) will be drawn out easily.

Patent pending

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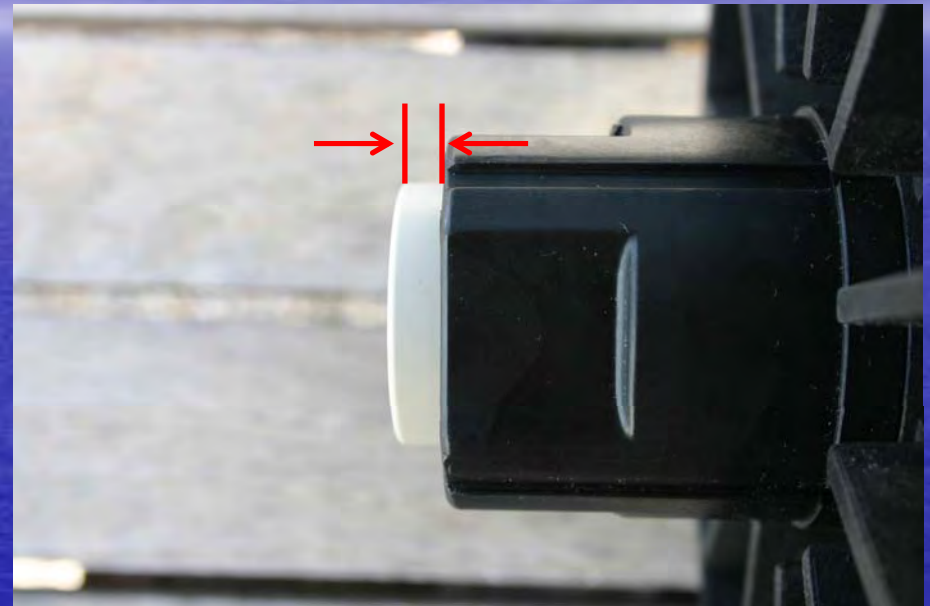
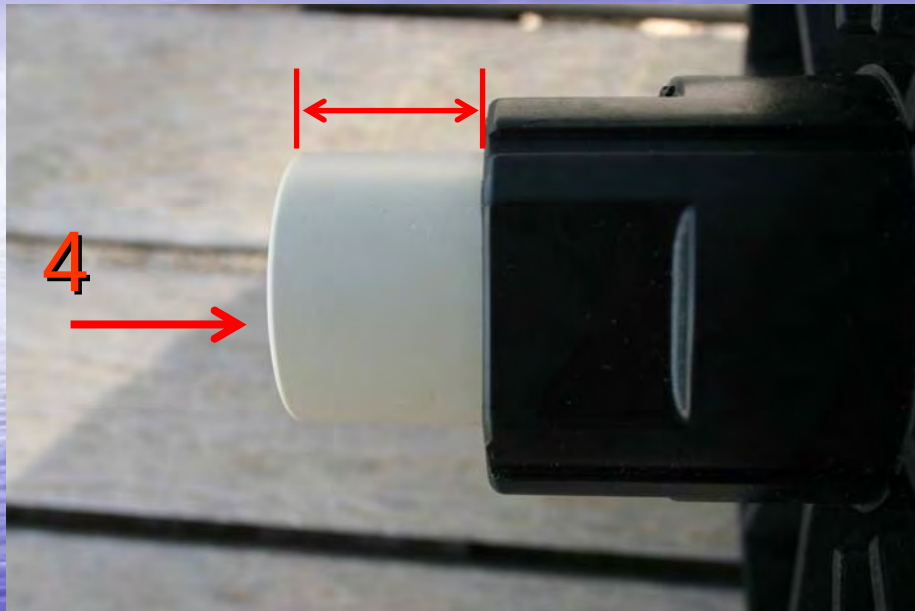
Facilitate your works



- 1, Shimming Rings
- 2, Shimming Cover
- 3, Union Nut
- 4, Shimming Piston

Patent pending

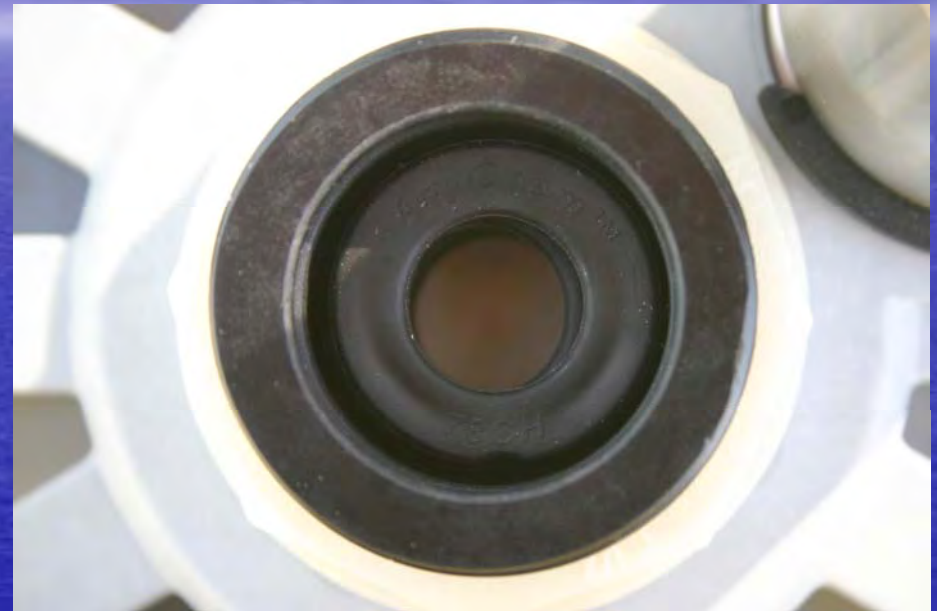
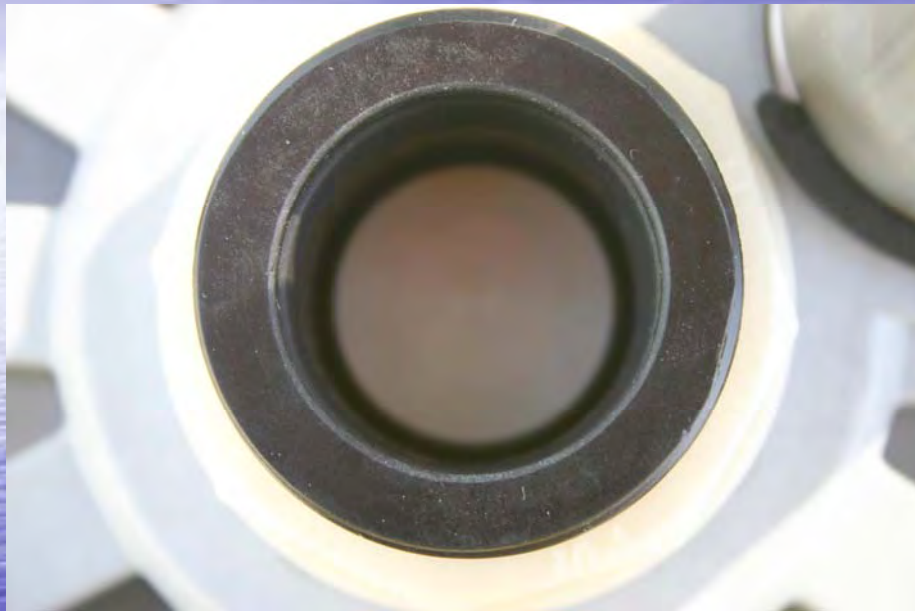
AnyDistance Facilitate your works



- Without taking out the whole Endplate, you can easily change the Shimming Piston's(4) distance against membrane inside the pressure vessel.
- Just follow the next step.

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- Put as many Shimming Rings as needed into the Permeate Port Body to fill the gap between the Shimming Piston and the Shimming Cover.

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- Install the Shimming Cover(2) and tighten the Union Nut(3).

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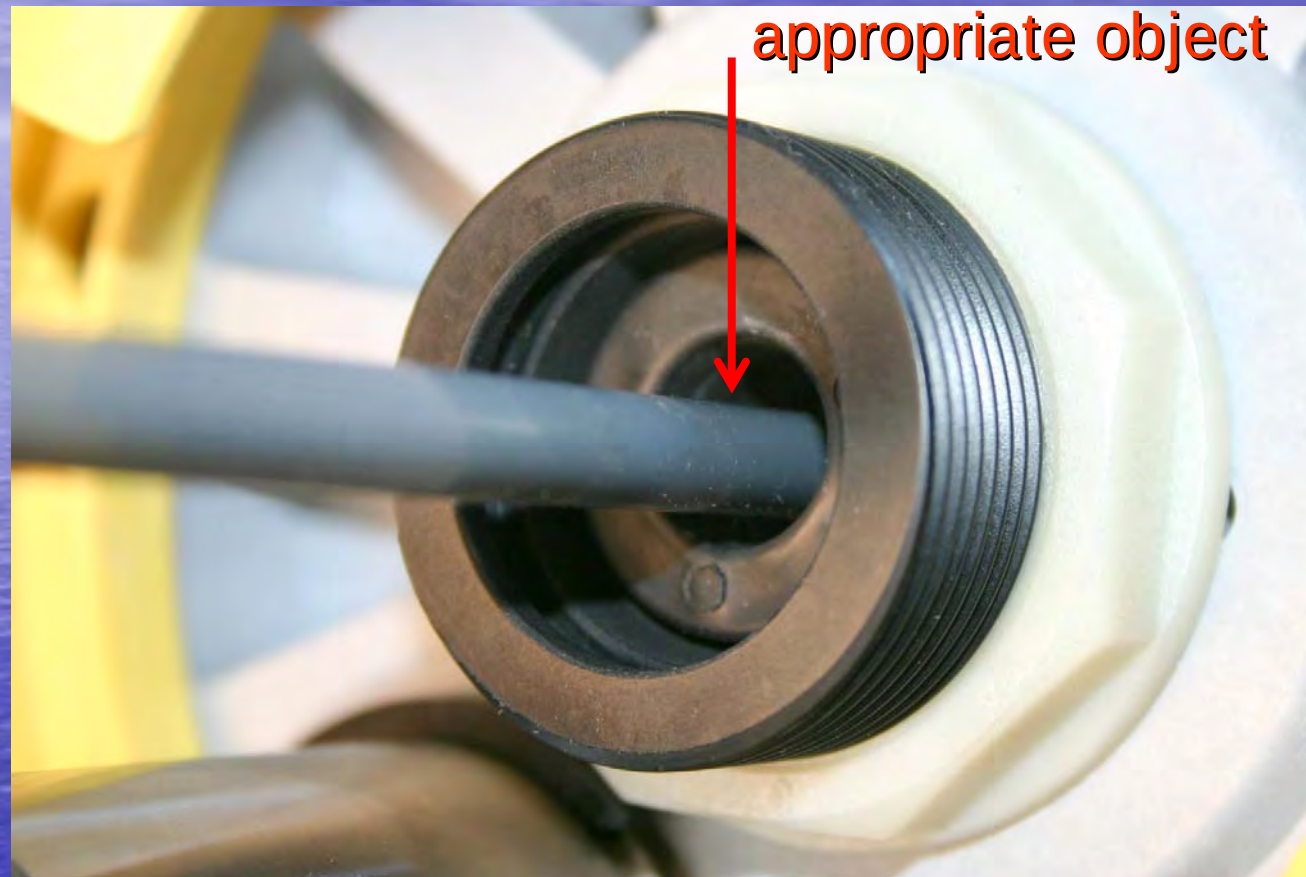
Facilitate your works

- After pressurization, the membrane(s) will be compressed and the gap between the Shimming Piston and the first element will increase.
- Stop pressurization
- Remove the Union Nut
- Remove the Shimming cover
- CAUTION: DO NEVER LOOSEN OR REMOVE THE UNION NUT IF THE MEMBRANE HOUSING IS UNDER PRESSURE

Patent pending

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- Push the Shimming Piston against the membrane with an appropriate object.

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- Add as many Shimming Rings as needed into the Permeate Port Body in order to adjust to the desired distance. You should keep space between the lower edge of the groove and the top of the last Shimming Ring*

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- * We recommend to keep a distance of 4 – 6 mm between the lower edge of the groove and the top of the last Shimming Ring.
- We recommend this because of the dilatation of the membrane(s) with temperature.
- CAUTION: Our suggestion bases on a temperature of 10 °C. Please contact your own membrane manufacturer for more information.

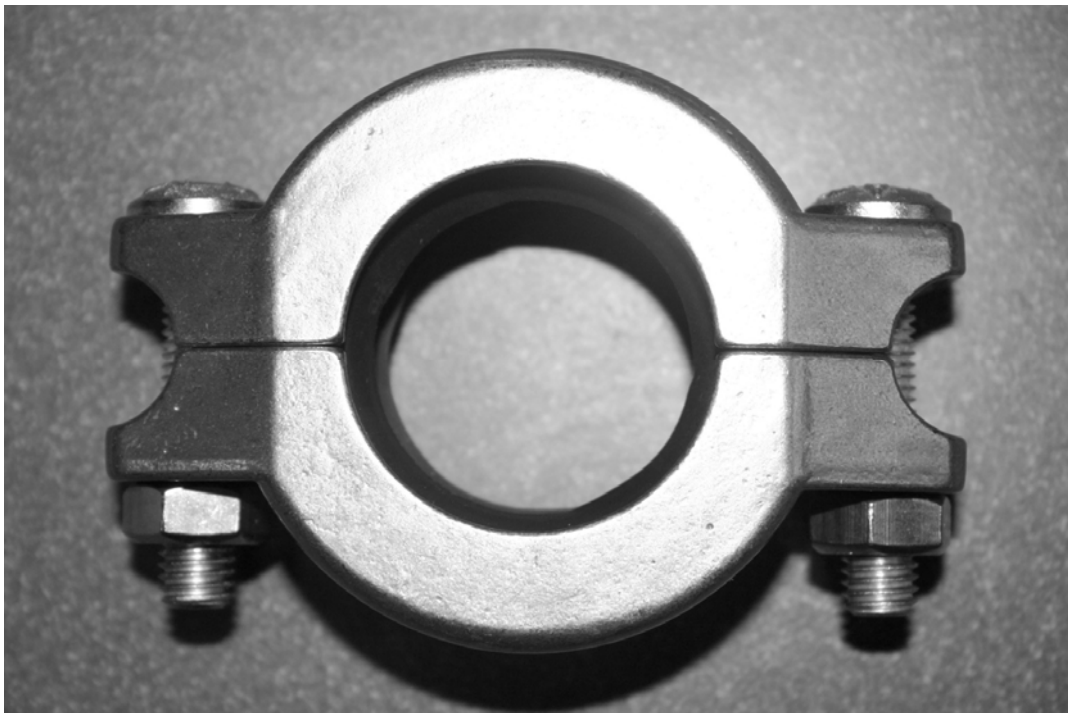
Patent pending

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- Install the Shimming Cover(2) and tighten the Union Nut(3) again.



Coupling Assembly 1.5in BW