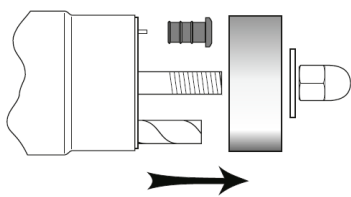


B1 SERIES MODULES

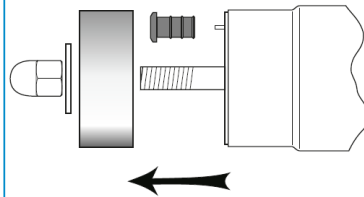
Remembraning Instructions

01



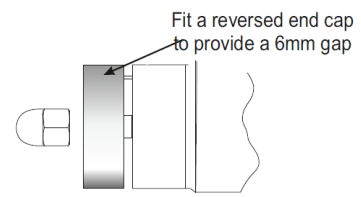
At the least accessible end, remove the end cap. Use long nose pliers to pull out the old tube seals. Remove the shim.

02



At the other end, remove the end cap, tube seals and shim. Pull out the old membranes with long nose pliers.

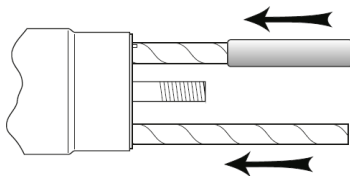
03



Use a reversed end cap to centralize the new membranes in the module.

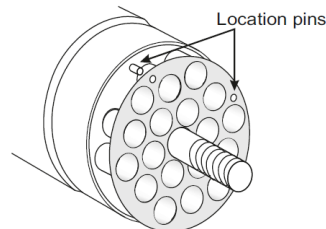
Note: Never cut the membranes shorter.

04



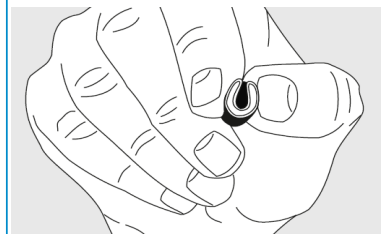
Carefully insert the membranes. A membrane insertion tool may be used for the last 15cm. Discard any membranes which become kinked or damaged.

05



Align the shim (rubber side to the module) with the two location pins. The membranes or location pins do not have to protrude through the shim.

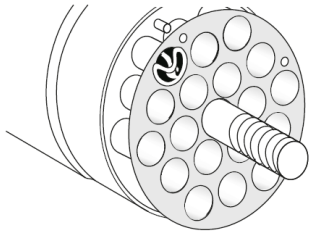
06



Tube seals can only be inserted into membranes if they are folded by hand or by using the tube seal pliers.

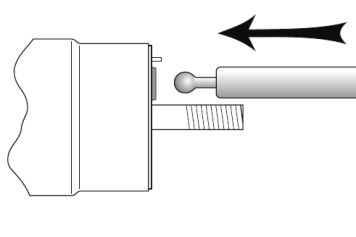
Important Notes

- The membranes contain a preservative solution - wear suitable protection when handling.
- The membranes must not be allowed to dry out during remembraning or at any other time.
- Remembraning is made easier when the membrane support tubes in the module are wet.
- Handle the membranes with extreme care - discard any which become kinked or damaged.
- For clarity, the pressure plate washer fitted to RO modules is not shown in all diagrams.

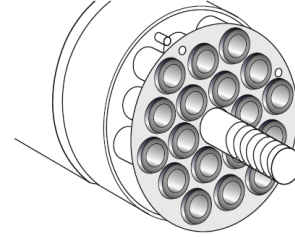
07

Insert the folded tubeseal into a membrane.

Note: The end cap at the opposite end prevents the membrane tube being pushed into the module.

08

Seat the seal with the tube seal prodder. Check with a torch (flashlight) to ensure the seal is correctly seated. Insert and seat one seal at a time to avoid permanent set.

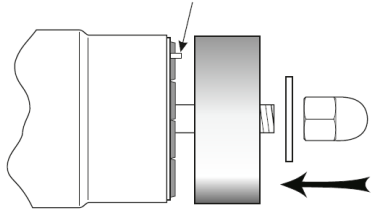
09

Insert and seat all 18 tube seals.

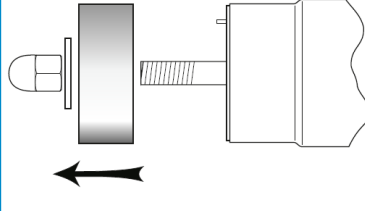
Note: There may still be a gap between the module and shim.

10

Align holes in end cap with pins in module



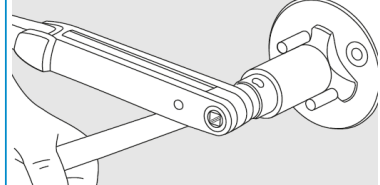
Fit the end cap and end fittings. Align the location pins and seal flanges with the end cap recesses. Only hand tighten the nut at this stage.

11

Remove the end fittings and end cap at the 11 other end and repeat procedures 5 to 10.

12

Tightening torque for RO module = 10.4kg.m (75lb.ft.)
Tightening torque for UF module = 5.5kg.m (40lb.ft.)



When all shims, tube seals, end caps and fittings have been fitted, tighten the end caps at both ends to the correct torque using the two pin tool to prevent rotation of the module.

Assembly Notes

- Use a paste type lubricant (e.g. Rocol Anti-seize J166) on the studs to prevent galling and to ensure the correct tightening torque is obtained.
- Repeat this procedure for each module, starting at the bottom of the stack and working upwards.
- To prevent membranes drying out, refill the module with water or sterilant.