

MB-8 Hexagonal Product Tubes

Beginning Dec 01, 2006, our membrane supplier changed the product tube from a round inside diameter to a hexagonal inside diameter. This will have no effect on systems without z-branes. However, because the inside of the product tube is smaller on the new tubes, the Z-brane anodes will not fit inside the tube. To accommodate the anode you may need to bore out one end of the product tube, or obtain a replacement Z-brane anode from the factory that can accommodate the hexagonal product tube.

When installing these bored out membranes on systems with Z-branes **it is important that the brine seal, (the black lip seal) be on the correct end of the membrane**, and pointing in the correct direction. Each end of the membrane has a groove for the brine seal, but only one brine seal is installed. The brine seal lip should point towards the nearest end of the membrane. The membrane must be installed so that the brine seal is at the end of the housing where the high pressure water is entering. On our multi membrane watermakers the high pressure water enters the lower housing first, travels to the other end, then comes out and goes into the next housing through a “C” shaped metal tube. If there is a third membrane this is repeated at the other end. Trace out the water flow on you system before installing the new membranes. All the housings are marked with a sticker showing which end of the housing the brine seal should go on.

It may be necessary to remove the brine seal and install it at the other end of a membrane to allow the seal to be at the correct end of the housing and still accommodate the anode. If so, carefully inspect the seal to see the direction it is facing. Then reach under it with an O-ring pick or jewelers screwdriver and lift it out of its groove. Install it in the other groove facing the other way, so that the lip, which was facing the end of the membrane, is now facing the other end of the membrane.

When installing a membrane always slide it in from the brine seal end of the housing so that the seal enters last and only has to slide into the housing about an inch.

