

## TSM BLEND OPTION

This system is equipped with the TSM Blend option. This option includes the addition of a blending needle valve and a TDS monitor to the system. After the system has been installed and plumbed perform the following check.

1. Make sure the BLEND valve at the lower left of the front of the system is closed (full clockwise). When the system has run at its normal VESSEL PRESSURE setting for at least 5 minutes, press the TDS monitor power button at the top left of the TDS monitor unit. Now press the left button just below the digital display. The display should indicate the TDS reading of the feed water. Now press the right button just below the digital display. The display should now read the TDS value of the product water.
2. While reading the TDS of the product water slowly open (turn counterclockwise) the BLEND valve. It will take a few seconds for the TDS sensor to register the rise in product water so do not open the BLEND valve too wide at first. In this manner the TDS level of the product water may be adjusted to a desired level. Note that, depending how high the TDS level of the feed water is, it may take only a small amount of opening of the BLEND valve to achieve a desired product TDS level. Note also that any fluctuations in feed pressure to the R.O will change the blended TDS of the product water since the blended TDS is dependent on blend valve setting and feed pressure combined.
3. The TDS monitor will remain powered for three minutes after actuating the power button and then shut down automatically. Battery life for the monitor is approx. two years. Battery replacement is done by removing the two screws holding the monitor bracket to the system manifold and then opening the monitor case by loosening the four small screws at the case rear.
4. The TDS monitor has a range of 0-9999 ppm TDS and has been calibrated for accurate reading.