

MB-1 ENDCAP WEEP HOLE

On the first black pressure vessels that Spectra manufactured, inside the black membrane end caps there are two o-rings which seal around the product tube on the membrane itself. These O-rings prevent the high pressure salt water in the membrane housing from leaking into the low pressure fresh water inside the product tube. A small weep hole is drilled into the end cap between the two o-rings. If there were only one o-ring seal, salt water could leak into and contaminate the product water. By using two o-rings and a weep hole, any leakage past either o-ring will come out of the weep hole instead. If the water coming out of the hole is fresh, the rear o-ring is leaking, if the water is salty, the front o-ring is leaking.

To repair, remove the end cap from the membrane housing. Check the product tube on the end of the membrane to make sure it is not damaged. If the tube is scratched or grooved, lightly sand it with 600 wet or dry sand paper. If the tube is smooth and round then remove and replace the two o-rings, p/n SO-HPV-BMS, inside the end cap. Lubricate lightly with water maker grease and reinstall the end cap.

Older units with white Codeline brand membrane housings, newer Spectra manufactured membranes, and all membrane end caps equipped with the optional Z-brane electronic membrane protection have only one o-ring sealing the product tube and there is no weep hole.

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