

Technical Service Bulletin 114

Brine seal Replacement

All LG Chem NanoH2O™ RO elements are shipped with brine seals installed. If for some reason the brine seal is missing or damaged, installation of a new brine seal will be required. Brine seals, which prevent feed water from bypassing the RO element, need to be properly oriented in relation to the direction of feed flow. The standard brine seal installed on all LG Chem NanoH2O™ RO elements is the U-Cup shaped style.

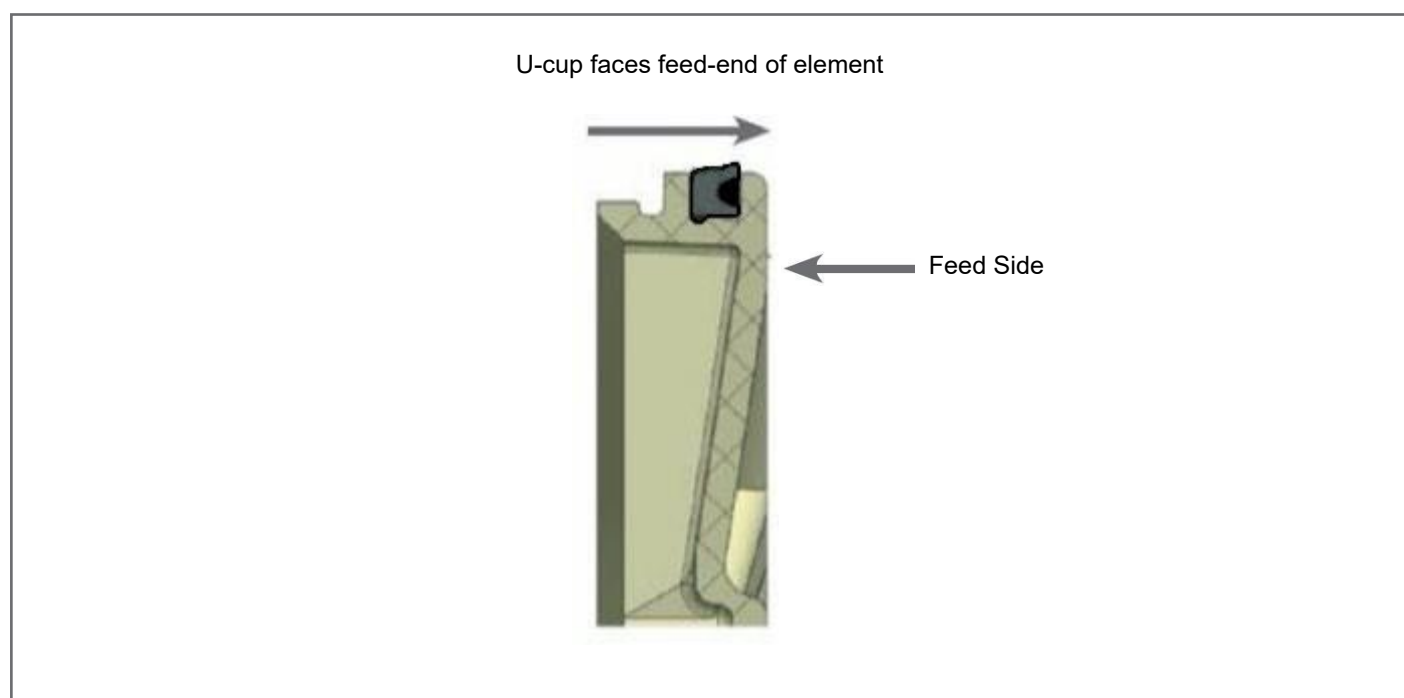
U-Cup Style Brine Seal

Install brine seal with the U-cup facing the feed end of the element as shown in Figure 114.1. Feed water flow will cause the seal to expand and seal against the inside diameter of the pressure vessel. For loading, lubricate the seal with either glycerin or silicone lubricant and load only in the direction of flow.

CAUTION

DO NOT use oil, grease, petroleum jelly or other petroleum-based compounds to lubricate O-rings or brine seals. (See TSB-102 Element Loading Guidelines).

Figure 114.1 Orientation of U-cup seal



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