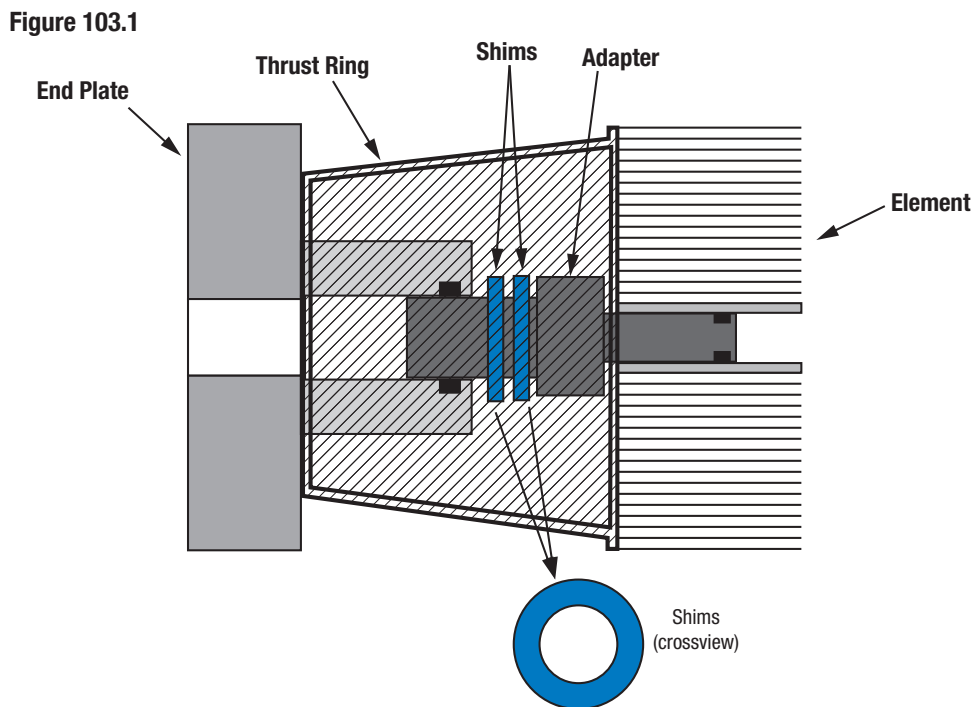


## Vessel Shimming

Because the face-to-face end plate dimensions may vary among pressure vessel manufacturers, NanoH<sub>2</sub>O **strongly recommends** that the element stack within the pressure vessel be shimmed to remove any excess slack. This slack can result in interconnector uncoupling and excessive stack movement during shutdown and start-up.

To ensure the removal of excess slack from the element stack within each pressure vessel, NanoH<sub>2</sub>O recommends the following method:

1. Install the REJECT-side end plate and push the element stack all the way toward the REJECT-end until the element stack is well seated against the REJECT-end end plate.
2. Prepare PVC spacers of varying thickness ranging from 3.17 to 9.52 mm (1/8 to 3/8 inches). These may be cut from a length of PVC pipe with a diameter that will fit over the feed-side adapter.
3. Install as many shims as necessary over the FEED-side inboard adapter until the end plate fits snugly against the shims while allowing the end plate to be installed. If supplied, install thrust ring before placing the end plates. A gap of approximately 6.34 mm (¼ inch) between the end plate and the shims is permissible and should not result in interconnector decoupling or other performance issues (Figure 103.1).



Notice: The use of this product in and of itself does not necessarily guarantee the removal of cysts and pathogens from water. Effective cyst and pathogen reduction is dependent on the complete system design and on the operation and maintenance of the system.

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