



Valves

Handling the world's dry bulk solids™



Technical Bulletin

Vortex® Roller Gate™ – Replacing Bonnet Seals

The bonnet seals of the Vortex® Roller Gate™ are designed to be replaced without taking the valve out of service, if the valve was originally ordered with the –RS (replaceable seals) modification.



As with any Vortex® Valves, read and follow all safety instructions prior to installing, maintaining or operating equipment. Failure to comply with instructions may result in personal injury.



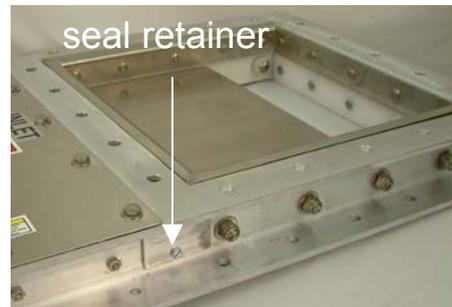
Follow all applicable “cautions” and lockout/tagout safety procedures as outlined in product safety manual.

Replacing bonnet seals

Valve shown in photos is a Vortex® Roller Gate™

Step 1

Bonnet seals are accessible through the side seal retainers located on either side of the valve.



Step 2

Remove the seal retainers located on both sides of the valve.



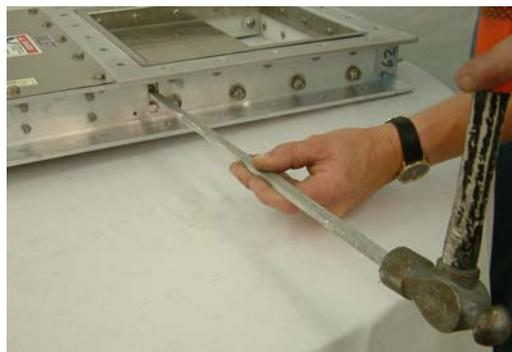
Step 3

This will give you access to the seal cavity. Remove the braided Teflon packing from both sides.



Step 4

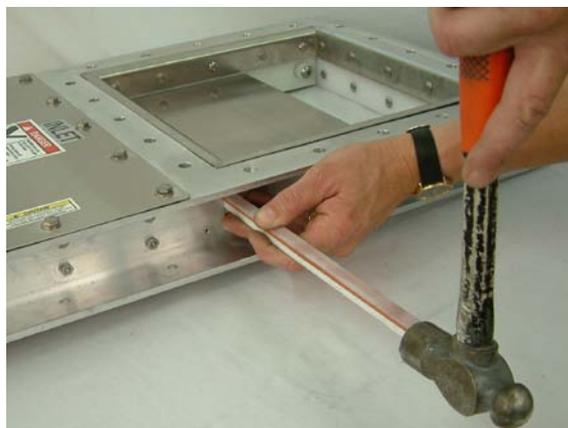
Using a dowel rod (something smooth that will not damage the blade) begin to drive out the top seal. (Work on replacing the top seal before beginning replacement of the bottom seal.) Drive the old seal approximately half way out.



Step 5

Drive in the new seal until it meets the old seal. (Make sure the hard polymer strip is seated next to the blade and the orange rubber backing is away from the blade.) Pull out the old seal from the other side, then finish driving in the new seal.

Once the first seal is completely replaced, proceed to replacing the second seal.



Step 6: Once both bonnet seals have been replaced, reverse the procedures, replacing the braided Teflon packing and side seal retainers on **both** sides of the valve.