



Valves

Handling the world's dry bulk solids™



Technical Bulletin

GRAVITY VEE DIVERTER™ – REPLACING BONNET SEALS

The bonnet seals of the Vortex® Gravity Vee Diverter™ are designed to be replaced without taking the valve out of service.



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.**



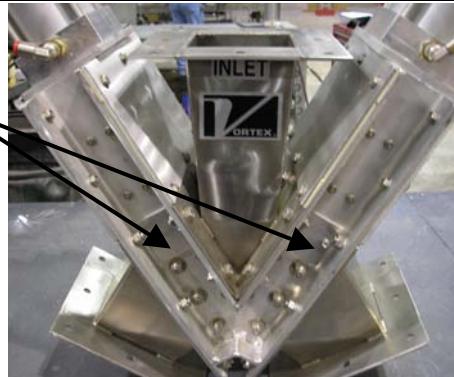
Follow all applicable “cautions” and lockout/tagout safety procedures as outlined in product safety manual.

Replacing bonnet seals

Step 1

Bonnet seals are accessible through the four (4) side seal retainer plates. Two of these retainers are located on either side of the valve.

Front seal
retainers



Step 2

Remove the four seal retainer plates. This will give you access to the seal cavity.



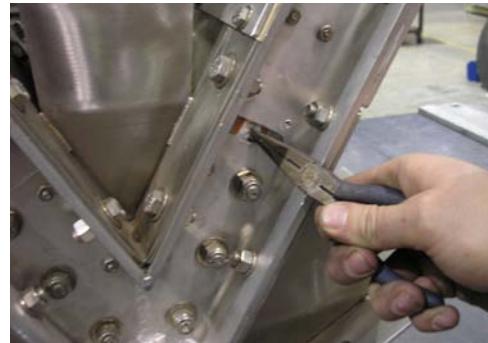
Step 3

Remove all four RS cover gaskets (two on front, two on back)



Step 4

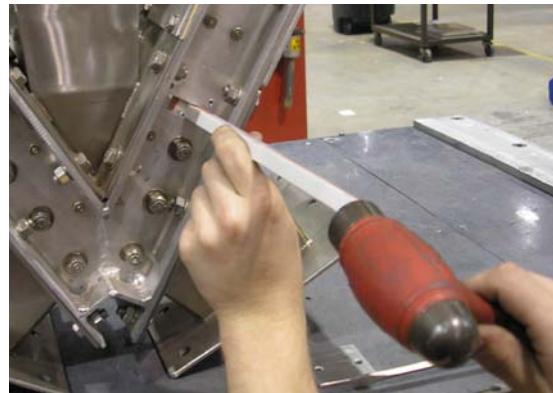
Remove the four pieces of braided Teflon packing (one in each seal cavity access slot).



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.

Do this procedure four times.



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