

Pivotal Edge Cover w/flexible shaft screwjack operation

Inflatable Seal Deflation:

Pull the knob on the control box out to begin the seal deflation. The entire process happens automatically and takes between 6 to 10 seconds. A vacuum solenoid will run high pressure air through a venturi vacuum pump until the necessary vacuum has been met, shutting off the high pressure air. The gauge will verify that a vacuum is being pulled. The system will cycle on and off to maintain the vacuum as long as the knob is in the deflate position. By returning the knob to the in position the seal will be inflated as confirmed by the gauge.

Opening the Pivotal Edge Cover:

Insert crank handle onto the hex end of the flex shaft. Rotate the crank counterclockwise to open the cover to the hard stop. This will be about 9.5 revolutions for a 16' shaft. Longer shafts will turn more revolutions.

Closing the Pivotal Edge Cover and Re-inflating the Seal:

Rotate crank handle clockwise to close the cover. Remove the crank handle. Push the control box knob back in to re-inflate the seal.

Purging the Pivotal Edge Cover:

To help minimize cleaning time and frequency of required cleaning, After unloading and before the operator would normally blow down the vessel pull out the knob on the box to the deflate position. The seal will deflate and the tank pressure will blow out any excess product that has accumulated between the cover and flange. Give it a good 10-15 seconds then push the knob back in to re-inflate again. This can be done at any pressure but 4-8 psi is sufficient.

Troubleshooting:

1. The operation of the cover should be smooth and easy.
 - a. If not clean buildup on and around the flange and cover.
2. Leaks when starting to pressurize the tank.
 - a. Deflate the seal by pulling out the control box knob and pushing it back in. (Purging)
 - b. Reduce unloading pressure. Check seal integrity when possible.