

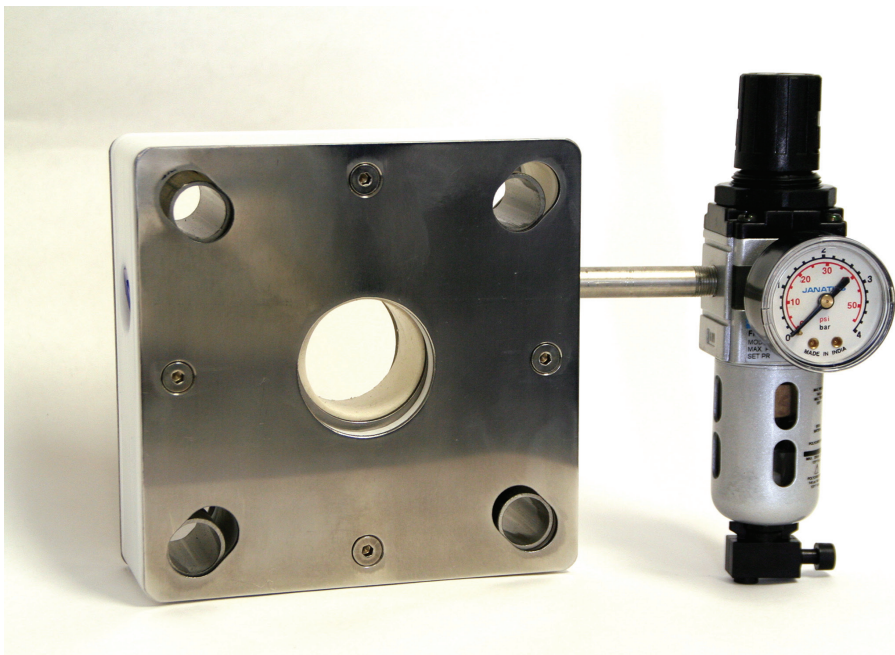
DURA-SHIELD Shaft Seals come standard with a 1/8" NPT. Connection port for an air or grease purge. It is recommended that your seal is purged with air or nitrogen when in operation. If air is unavailable or you are trying to maintain a vacuum then a grease purge would be recommended.

DURA-SHIELD Seals are mounted in many different applications and some of them do not allow for the air regulator to be mounted directly to the seal. It is ok to mount air regulator in a better location and pipe the seal in. If space is not a concern then mount the air regulator to the seal with a 1/8" NPT. Connector pipe. The function of the air is twofold. First it exhausts through the seal to create an air curtain around the I.D. of the housing. This keeps process material from working its way between the two rotating faces of the seal. The second function of the air purge is to help with cooling the seal during operation. Frictional heat is produced and the air purge aids in keeping this to a minimum.

When connecting your air purge start the seal with approximately 15-20psi. of pressure. This should create about 2 SCFM of air flow. If your process material is allowed to pack against the face of seal you will need to determine the amount of air pressure required to maintain a positive flow over the seal faces. 5psi. over product pressure is sufficient.

If after your seal is in operation for some time and it seems the air pressure is too much it can be reduced in small increments to minimize air consumption. It is always recommended that you use more air than less when first starting up. Once the seal faces are compromised it may be necessary to disassemble the seal and clean before returning to service.

When installed with a properly adjusted air purge the DURA-SHIELD seal should operate reliably for many months before a rebuild is needed. Please ask for assistance if you cannot use the air purge in your process. We will help you to determine if the grease purge option will work for your application. DURA-SHIELD seal options are available that do not require the air purge.



Typical air regulator install on a SD series seal. AGD offers Janatics pneumatic products for all of our AIR purged seals.

AGD offers support on installation and all trouble shooting topics. Our team of engineers are here to help! e-mail: [support@agdproducts.com](mailto:support@agdproducts.com) or call 1-877-243-7325. We also offer support products to aid in installation. Please contact your AGD rep for more details and pricing