

The REMOVABLE GLAND FOLLOWER

Introduction

CMT offers a very unique design for the Drop Thru and Side Entry Rotary Airlocks - the removable gland follower. Shaft packing has to be maintained properly to prevent product from leaking from the valve, especially in positive pressure applications. Any maintenance personnel will confirm how difficult this can be on the standard valve. Limited space typically requires the valve to be disassembled and the end cover removed for packing to be replaced. Typical airlock bearings are also throwaway, sealed for life bearings. These bearings are press fitted into the bearing housing, and can only be changed by removing the end cover.

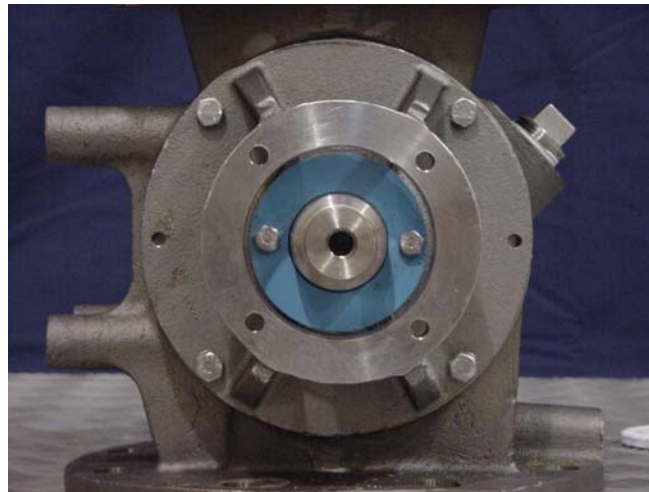
Our standard airlock allows the bearing and gland follower to be completely removed without disassembling the entire valve or pulling the valve out of line.

How It Works

1. The four-bolt flange mount bearing is removed from the end cover using jacking bolts.
2. The gland follower is round rather than the typical elliptic style gland follower (see below). Note the CMT gland follower is on the left.
3. With the bearing removed, the round gland follower will pass through the outer bearing housing. This allows complete and easy access to the shaft seals for routine maintenance.



The round gland follower (blue) passes through bearing housing.



Round vs.
Elliptical
Gland Followers