

Gland Packer



Owners and operators of centrifugal and axial flow pumps are familiar with the problems caused by fluid leakage through the packing gland of these. In some cases, costly mechanical seals can solve the problem, but this remedy is unsuitable in all situations. Technofast Industries have applied their hydraulic tensoning expertise to produce the Hydraulic Gland Follower which has now been demonstrated to resolve safety and operational issues associated with traditional packed gland sealing.

This device replaces standard hex-nut operated gland packing collars, and allows pump operators to remotely set & adjust system pressure to preload the gland packing whilst maintaining the necessary pilot dribble.

Current "turn of nut" operated gland followers require the attention of maintenance personnel to frequently adjust the packing to limit the loss of fluids from the gland.



Features

- Huge purge water and/or product savings from leaking seals.
- Eliminates the need for plant operators to manually adjust standard gland followers.
- Eliminates safety hazard of performing adjustments on live shafts.
- Packing life increased as constant pressure is applied eliminating overheating, erosion and wash out of the packing.
- Less downtime due to pump extended packing life.

How does it work?

The Gland Follower is designed to be retrofitted to existing pumps so no major modifications are needed. The system uses the existing bolts to anchor the Gland Follower (fig 1) and a simple bracket is used to mount the remote charging/monitoring system at a safe distance from the pump (fig 4).

The system is pressurised using a high pressure grease/oil pump from the remote charging/monitoring station thus activating the pistons in the Gland Follower applying a preload to the gland packing.

The system is fitted with an accumulator, allowing the unit to apply a constant load to the packing without further adjustment from the operator as the packing wears.

Suitable for:

- Centrifugal & Axial flow pumps
- Valve steam glands
- Propeller Shafts

Each product is designed to suit the pump it will be used on. Please contact Technofast for Technical information or a quote.



Fig 1.

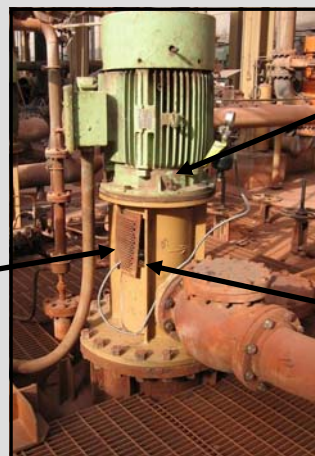


Fig 2.

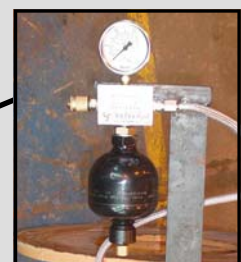


Fig 4.

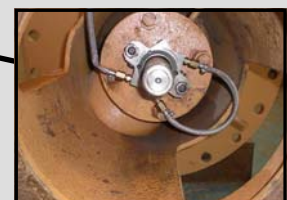


Fig 3.



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