

POLLUTION CONTROL CHECK VALVE (PCCV)

Designed To Protect The Environment In Case Of Polished Rod Failure

The pollution control check valve and stuffing box (PCCV) is a wellhead accessory designed to protect and preserve the environment in the event of a polished rod failure. The PCCV is a solution for potential soil or water contamination problems.

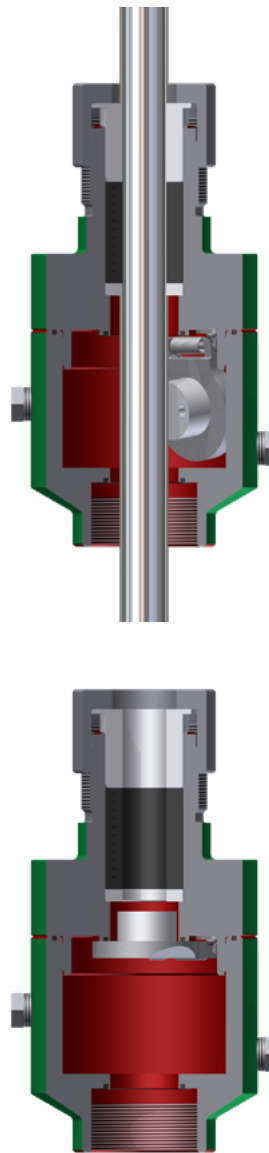
DESCRIPTION AND OPERATION

The PCCV's method of operation is simple and reliable. When the polished rod breaks and the rod string falls through the PCCV stuffing box and blowout preventers, the check valve closes and blocks the well bore before fluid can escape.

The design features a check valve flapper and a non-metallic wear block that rides against the polished rod. The wear block is held against the polished rod by an H₂S-resistant Inconel spring. When the polished rod breaks and the rod string falls, the spring-loaded valve flapper swings up and seats against a Viton O-ring and closes off the well bore. Well pressure against the backside of the check disk ensures a positive shut off. Once the broken polished rod is replaced the re-installation of the PCCV can protect against future failures.

Two 1/2 in. [12.7 mm] NPT ports are provided, which allow for the installation of fluid level monitors or pressure switches. These devices can be used to sense fluid presence or pressure in the valve body when the PCCV is installed above another stuffing box. It is recommended that the PCCV be installed above another stuffing box to provide a dual pack off. Dura Products manufactures adapters to facilitate the installation of the PCCV with a Dual-Pac, Com-Pac, or Hercules style stuffing box.

The PCCV can also function as a lubricator with the addition of light oil and/or corrosion inhibitor into the body cavity. Fluid is sealed in at the top of the PCCV by using a standard packing, packing gland, and cap.



APPLICATION

- Wellhead stuffing box

BENEFITS

- Prevents environmental contamination in the event of a polished rod failure

FEATURES

- Made from NACE MR0175 approved materials