

Encapsulation Series

Redundancy Twin CAN/POD - Dual ESP System

The RMSpumptools Redundancy Twin CAN (POD) is a universally field-proven product and contains two separate CAN systems with flow from the lower CAN passing through the upper CAN. Typically, both ESPs are identical, but the second operating ESP can be sized differently to meet later life production expectations.

ADVs (Automatic Diverter Valve) above each ESP ensures fluid flow bypasses the dormant pump. This configuration can also be used as a booster system.

An individual cable powers each ESP with the cable for the lower ESP running outside of the upper CAN. Each ESP can be operated individually and flow automatically bypasses the dormant ESP by entering the ADV (Automatic Diverter Valve) which is positioned above each pump discharge. Flow is activated by tailpipe entry into a permanent sump packer.

Application

High workover cost environments such as offshore and subsea applications. Also providing a clear benefit in locations that experience lengthy down time between workovers and where production deferment is an issue.

Advantage

Provides a dual ESP redundancy system to radically improve well profitability, whilst avoiding the need for a retrievable packer. This makes for faster workovers and avoids potential difficulties in retrieving a standard pump packer. A formation shut-off valve can also be installed in the sump packer to prevent the need to kill the well at workovers.

