



Closed system purge set

The closed circuit purging unit allows purging of a deepwell pump without the risk of making contact with the purged contents. The unit is used for:

- purging of the cofferdam of a deepwell pump to monitor the pump seals
- flushing of the purge lines and cofferdam of a deepwell pump

The closed circuit purging unit consists of the following main components:

- a reservoir for storage of the purged contents
- a sight glass
- a compartment for the pump unit
- an air-operated, double diaphragm pump
- an air supply valve
- a 3-way selector valve
- two connecting hoses with quick couplings

Operation of the air-operated, double diaphragm pump creates a low pressure inside the reservoir. The 3-way selector valve allows the flow to go through the standpipe or from the bottom of the reservoir. The diaphragm pump moves the flow to the purge inlet of the deepwell pump. The return flow from the purge outlet of the deepwell pump enters the reservoir and is monitored through the sight glass. By controlling the supplied air flow / pressure to the diaphragm pump the flow through the closed circuit purging unit is regulated.

Technical data

Pump compartment material	: stainless steel 1.4404
Pump housing material	: polypropylene
Maximum pressure supplied air	: 8.6 bar
Capacity	: 3 m ³ /h
Diaphragm, seals and valve balls	: teflon® PTFE
Hose material	: teflon® PTFE
Hose length	: 1.5 m
Hose mantle	: stainless steel wire mesh
Couplings	: snap-tite ½" BSP, SS316