

Well Flow Management

DST-TCP

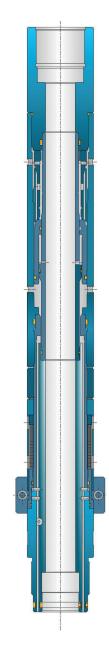
Annulus Reference Trap System (ARTS)

The ARTS is used to trap a pressure in the reference section of the Pressure Operated Tester Valve (POTV). Once this reference pressure has been trapped, the POTV can then be operated through the application and removal of applied annulus pressure.

The ARTS is run as part of the POTV/reference section. By isolating the I.D. from the O.D. (i.e. setting a packer or placing seals into a sea bore) and applying an annulus pressure, a reference is trapped in the POTV. The POTV can now be operated by annulus pressure. The ARTS also contains a check valve system which regulates the operating pressure. The check valve also relieves the trapped reference pressure at the end of the test as the tool is pulled to surface. This ensures that bottom hole pressure is not brought to surface in the tool.

Specifications	
Working pressure	15,000 psi/103.42 Mpa
Working temperature (See note 1)	350°F/177°C
OD (in/mm)	5" / 127mm
D (in/mm)	2.25"/57.2mm
Jpper thread connection	3 ¾" Stub Acme, 6 TPI
ower thread connection	3 ¾" Stub Acme, 6 TPI
Tensile strength	350,000lbf/155,600daN
ensile strength at maximum vorking pressure	30,000lbf/13,345daN
ool length (in/mm)	55.4in/1mm
ool weight (lbs/kg)	250 lbs/ 133 kg
Service condition	H2S per Nace MR-01-75

Note 1: Working temperature can be increased by changing sealing configuration as follows: Up to 400° F/204°C – Standard elastomers and premium back-up rings.



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