The DTHP functions as one of the two primary barriers required for the temporary suspension of a subsea well. The shallow set barrier is ISO 14310 V0 certified with large bore ID and redundant cycling device for remote opening with pressure pulses.

The DTHP is a tubing conveyed shallow set barrier plug which will save the operators costly rig time offshore. The rig time saved is significant for completion of subsea wells with vertical Christmas trees. The plug is run with the bypass in open position allowing the operator to facilitate the completion operations. Once the bypass at the DTHP is closed, it forms an ISO 14310 V0 gas tight barrier. This makes it possible to rig down the BOP and land the vertical Christmas tree without the use of a workover riser. The remote opening function saves rig time for the operator for any subsea well.

The DTHP is configured to be cycled open with pressure pulses from surface. The mechanical cycle devices are calibrated based on well data from the operator. The plug can be cycled open from the FPSO or from the production vessel, making the rig available for other operations.

Our patented laminated glass barrier material provides a secure, non-corrodible seal under high temperature and axial loads, capable of withstanding extreme levels of differential pressure from both sides. It disintegrates into silica upon removal.

The DTHP is tubing conveyed and incorporates a bypass allowing the operator to perform all operations necessary before closing the bypass forming a ISO 14310 V0 approved barrier. The bypass flow capacity is tested and approved to 750 L/min / 4.7 bpm.

We have designed the DTHP to be installed and run as an integrated part of the completion string or liner. This increases the efficiency of the installation process and provides a large bore access when the plug is opened.

Other than the build in remote opening mechanism, a variety of removal options are available as contingency, always guarantee full ID after opening.

**FEATURES & BENEFITS**

- **LARGE BORE ACCESS**
- **SAFER OPERATIONS**
  - ISO 14310 V0 certified
  - Redundant cycling mechanism built in
  - Removes all of the HSE risks associated with crane operations, rigging up, running of work over risers and slick line used to set plugs in the tubing hanger before removing a BOP and installing a vertical christmas tree.
- **REDUCED RIG TIME**
  - Cycled open remotely from FPSO or LIW
  - Eliminate the need for work over riser after landing of Christmas tree.
  - Saving from 2-10 rig days depending on water depth and weather condition.
- **LAMINATED GLASS**
- **INTEGRATED INSTALLATION**
- **BYPASS SYSTEM ALLOWING 750L/MIN FLOW RATE**

**APPLICATIONS**

- **TUBING CONVEYED SHALLOW SET BARRIER PLUG WITH BYPASS FUNCTION**
- **SUBSEA**
- **DEEP WATER**

---

**Standard Product Portfolio**

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Outer Diameter</th>
<th>Inner Diameter</th>
<th>Bypass flow</th>
<th>Diff. Pressure</th>
<th>Absolute Pressure</th>
<th>ISO 14310 Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>DTHP 8.81x4.75</td>
<td>8.81&quot;</td>
<td>4.75&quot;</td>
<td>750 L/min / 4.7bpm</td>
<td>5 000psi / 345bar</td>
<td>10 050psi / 740bar</td>
<td>V0</td>
</tr>
</tbody>
</table>