Inflatable Packers International

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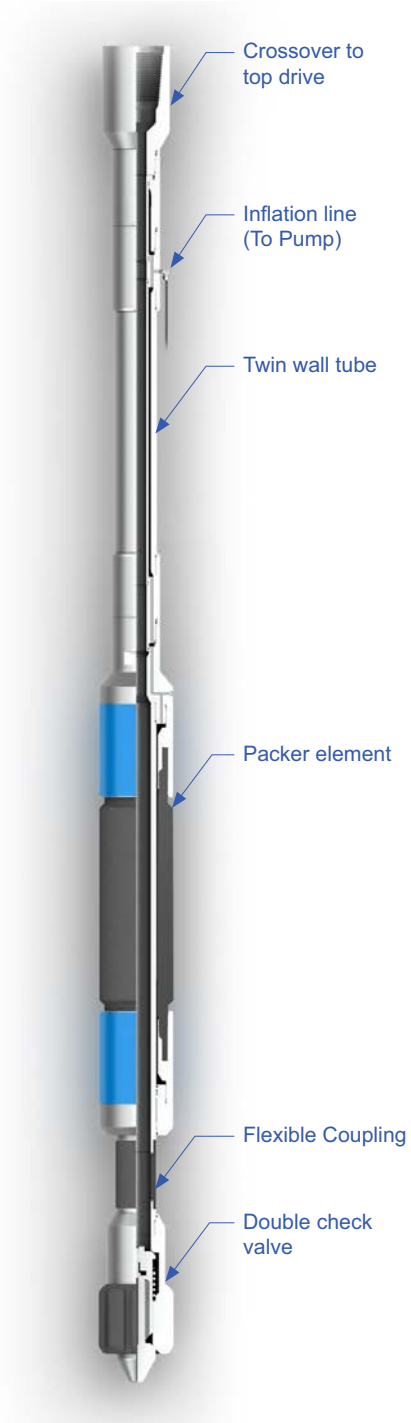
Casing Circulating Tool



The IPI CCT (Casing Circulating Tool) has been developed to aid and improve casing run-in operations. For filling simply pump through the tool. The packer is left deflated to allow air to be displaced (avoids pressure build up). To circulate, open the valve on the auto inflation/deflation pump. The packer will begin inflating, and eventually creates a seal in the casing to allow circulating at high flow rates and pressures (up to 10bpm and up to 5000psi). A double acting check valve has been employed to allow flow back. This ensures pressure equalizes across the check valve prior to packer deflation. This design mitigates the occurrence of mud showers, often experienced when pulling out a conventional circulating packer.

FEATURES:

- Modular packer chassis - minimal components to change out to adapt to larger or smaller packer sizes
- Robust and long life packers with a sleek design to allow easy stab in
- Double acting circulating check valve allows equalisation prior to deflation - mitigate mud showers
- Super compact design and flexible coupling - minimise whipping whilst pumping at high rates. High amplitude/low frequency oscillations at high flow rates can cause metal fatigue on conventional rigid connectors. To mitigate this risk, a flexible coupling has been utilised to secure the check valve body to the packer chassis.
- Spacing options available to accommodate bail arm variations
- Twin wall spacing - means the inflation line terminates close to the top drive connection - minimise risk of line damage often associated with lines running down past the elevators to the inflation port on the packer
- Suitable for conventional and pneumatic elevators (spider) - no inflation lines pass through or around the elevators
- Designed to run on top drive and non top drive rigs

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