

Permanent Inflatable Bridge Plug (TT-PIBP)

The Thru Tubing permanent inflatable bridge plug (TT-PIBP) utilises the InflataLOK™ valving system in conjunction with the DuraGRIP™ packer element which provides bi-directional sealing and anchoring. The design incorporates an equalisation feature that eliminates the effect of wellbore pressure. This ensures correct tool function regardless of setting conditions. Three standard configurations are available to allow deployment on Coiled Tubing, Capillary Tube, and Wireline/Slickline*.

Applications

- Plug and abandonment with cement retainer option
- Zonal isolation (Vertical/ Horizontal wells)
- Shut off lost circulation zones
- Bottom hole shut off operation in open or cased hole conditions
- Depleted zone abandonment

Features

- Available in a range of configurations allowing conveyance on Coil Tubing, Capillary Tube or Wireline/Slickline*
- Available in bridge plug or cement retainer configurations
- Can be deployed in both saturated and depleted well conditions**
- Ball free setting and disconnection
- Adaptable to a range of inflatable element sizes suitable for Thru Tubing applications
- DuraGRIP™ packer element construction features an external steel wire reinforcement layer designed to maximize bi-directional anchoring/sealing for optimal differential pressure capability
- Self-anchoring to maximum rated differential pressure capacity
- High expansion capabilities

Available Sizes***

Inflation Valve OD		Packer OD****		Max Inflation Diameter	
in	mm	in	mm	in	mm
2.125	54	2.125	54	4	101
		2.25	57	4.75	120
		2.5	64	5	130
		2.68	68	5.5	140
		2.75	70	6.75	171
		3	76	7.3	185
		3.25	83	7.9	202

* WPG offers the down hole pump and required accessories for deployment on wireline

** Back pressure valve device may be required when operating in depleted or unsaturated conditions, to maintain control of inflation pressure

*** As per operational requirements/restrictions, PIBP can be modified to adapt different packer sizes on each chassis

**** Packer elements available in NBR and HNBR options

