

# Permanent Inflatable Bridge Plug (PIBP)



## Inflatable Technology:

An inflatable element is a hydro-mechanical sealing device to be conveyed into a wellbore on a wide range of tool chassis. IPI's unique design of composite element allows the versatility to set in an ID significantly larger (+/- 300%) than its run in OD and where applicable be released and retrieved. The IPI design offers a true wellbore seal in both directions and has proven itself in over 13,000 applications to be the most robust inflatable element while offering the industry's best in class recoverability. Open hole, through tubing, cased hole, oval pipe, scale, perforated, nonstandard etc. conditions make IPI inflatable elements your path to success.

## PIBP:

A PIBP allows for permanent wellbore isolation applications in cased or open hole conditions. Although permanent, the IPI designed PIBP offers an option to deflate the element prior to the final disconnect in the event of a change of plan or unforeseen circumstances. The tool comes supplied with a fit-for-purpose chassis to support the varying requirements of running on threaded or coiled tubing such as circulating, spotting, cement placement or dry tripping.

## Applications:

- ◆ Plug and Abandonment (P&A)
- ◆ Lower zone shut-off
- ◆ Water shutoff
- ◆ Cement/alloy plug base

## Benefits:

- ◆ Double barrier valving system to provide **hydraulic integrity**
- ◆ **High expansion capability** allows for setting below restrictions
- ◆ One size can be used in multiple setting IDs, minimizing site inventory or tool swap out
- ◆ Full cover elastomeric sealing element allowing **bi-directional pressure integrity**
- ◆ Design negates plastic deformation enabling industry-leading element retraction
- ◆ Element design facilitates sealing in **irregular IDs** where traditional mechanical packing elements don't (scale, perforations, oval pipe, slotted liner, open hole etc.)



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## PIBP Modular Configurations:



**Cement  
Retainer**

**Bridge  
Plug**

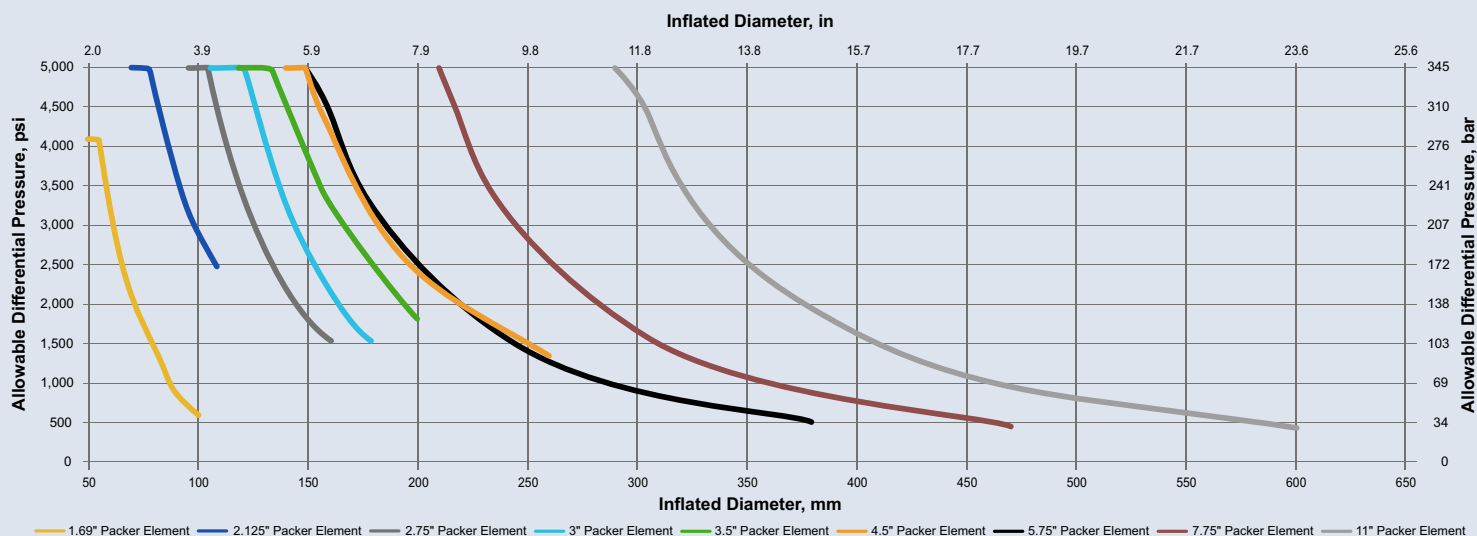
**Bridge Plug  
w/ Deflate Option**

## Available Sizes:

Inflation Valve OD		Packer OD*		Max Inflation Diameter	
in	mm	in	mm	in	mm
3.5	89	3.5	89	8.67	220
		4.5	114	11.0	280
		5.0	127	12.2	310
5.5	142	5.5	140	13.8	350
		6.3	160	15.0	400
		7.75	197	18.5	470
7.75	196	9.0	230	22.6	575
		11.0	280	22.8	580
		15.5	395	33.1	840

\* different packer sizes are available upon custom request

## Differential Pressure Rating vs. Hole Size:



\*\* please contact IPI Packers for the latest pressure chart and custom sizes

