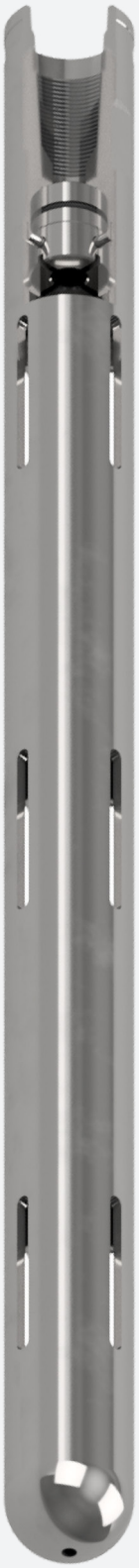
PRODUCT SHEET

Pump Out Choke Probe



- Sized to suit wellbore geometry
- Shearable piston sub
- Large range of sizes

DESCRIPTION

The Pragma CT Pump Out Choke Probe is run below the Hydraulic Knuckle Joint in the Pragma Multi-Lateral Entry System.

A pinned piston sub acts as a choke to enable activation of the hydraulic knuckle and the indexing tool. When the lateral has been successfully accessed, the choke sub can be over pressured and pumped out into the probe body which also acts as a catcher sub. Fluid then be pumped through the tool string for cleaning and stimulation applications at higher flow rates.

The length of the Pump Out Choke Probe is generally sized so that the Hydraulic Knuckle Joint is prevented from fully articulating inside the main wellbore casing. Once the lateral wellbore is located the Pump Out Choke Probe moves into the casing window allowing the Hydraulic Knuckle Joint to fully articulate. This opens the bleed ports and provides a pressure signal that the lateral wellbore has been located. The Pragma calculator can be used to determine the required length of Pump Out Choke Probe.

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FEATURES & BENEFITS

- Available in all OD's and lengths to suit main bore casing size.
- Adjustable pump out pressure.
- Adjustable choke size.
- Available in all standard materials and threadconnections.
- Use Pragma Multi-Lateral Entry System calculator todetermine the right length of choke probe to suit the week geometry.

Part Number	OD	Pump Out Pressure	Length	Thread
POC169AC08-36	1.688″	1750 psi per pin (up to 4 pins)	36″	1.00 AMMT
POC212AC09-36	2.125″	1750 psi per pin (up to 4 pins)	36″	1.50 AMMT
POC288AC23-36	2.875″	1750 psi per pin (up to 4 pins)	36″	2.38 PAC

We offer optional equipment, alternative sizes, materials, probe lengths and thread connections.

Please contact us for more information.

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