



The WellTools Ltd. PACS Tool*

The WellTools PACS tool is essentially a circulation control tool which can divert the fluid flow path through the main bore of the tool or out of the upper ports into the annulus. The tool has two modes which are simply controlled by pump rate; moving from one position to the next is facilitated by the increase and decrease of the pump rate. Tool position is easily verified at surface by noting the flow rate/pressure relationship.



Design Features

- Simple to activate
- Full bore access through the tool; allowing wireline tools to pass or drop balls to be used
- Infinite number of cycles
- Tool can be set up for jetting or circulating
- Flow can be split in any combination depending on operational requirements. i.e. 100% main bore / 100% annulus, 100% main bore / 40% main bore + 60% annulus. This allows drilling to continue whilst allowing increased flow rate for hole cleaning without damage to the PDM.
- Tool is self compensating for pressure drop. Increasing flow rate does not result in an increase in pressure drop; as the flow increases the circulation ports will continue to open. In the annulus position the pressure drop across the tool will remain constant irrespective of flowrate.

Technical Specifications

| Tool OD | Length | Cycling Pressure | Max. Flow Rate |
|---------|--------|------------------|----------------|
| 2-1/8" | 28" | 250 PSI | 100 usgpm |
| 2-7/8" | 48" | 150 PSI | 240 usgpm |
| 3-1/8" | 48" | 150 PSI | 240 usgpm |
| 4-3/4" | 59" | 100 PSI | 550 usgpm |

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