

## MULTI CYCLE CIRC SUB

The **LiMAR**<sup>®</sup> Multi Cycle Circ Sub is used to allow multiple switching of flow paths between the annular and forward facing flow.

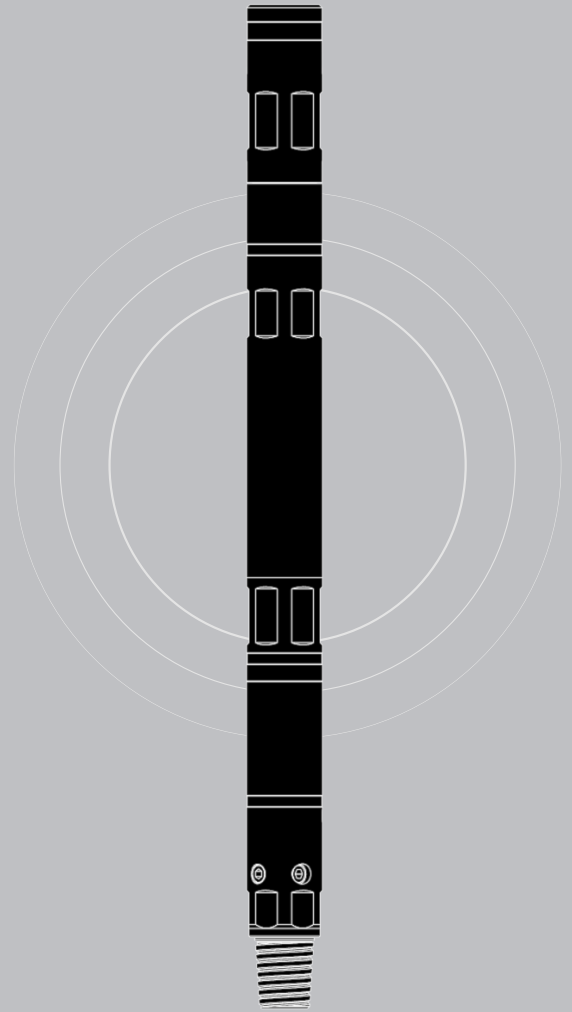
Each time a high flow rate followed by a low flow rate sequence is carried out the tool alternates between circulating modes and remains in that position until the next cycle is performed. It does not require a constant high flow rate in order to remain in either position, making it the ideal tool for a variety of applications.

**TOOL APPLICATIONS:**

- Improved hole cleaning during jetting and milling operations, isolating Motors or tools below from flow, Nitrogen and Stimulation Chemicals as well as spotting fluids.

**DESIGN FEATURES & BENEFITS:**

- Flow or pressure activated
- Available in a range of sizes to suit industry standard Coiled Tubing BHA's
- Suitable for high temperature environments
- Compact design ideal for restricted height applications
- Torque-thru capability
- Simple, robust design ensuring ease of operation for the end user
- Selected components QPQ treated
- Hexagonal flats for safe make-up & break-out
- Connection options to suit customer requirements
- Corrosion resistant materials



**TECHNICAL DATA**

Assembly Part No.	Actual OD	Make up Length
305-1687-XXX-RX	1.687"	22.00"
305-1750-XXX-RX	1.750"	22.00"
305-2125-XXX-RX	2.125"	25.35"
305-2250-XXX-RX	2.250"	25.35"
305-2875-XXX-RX	2.875"	30.27"
305-3125-XXX-RX	3.125"	30.27"

XXX - Last 3 digits of part number denotes connection type - Please refer to the connection code data sheet. For additional sizes or further information please contact [sales@limaroiltools.com](mailto:sales@limaroiltools.com)