

# RCX MAGNA large area multi-probe sampling service

## Safe and efficient sampling in ultra-low mobility formations

In the exploration of ultra-low mobility wells, you are reluctant to deploy inflatable packers due to high risks and adverse effects on operational efficiency. Inflatable packers are prone to differential sticking and become deformed after multiple settings, causing well swabbing when pulling out of hole.

The **RCX™ MAGNA large area multi-probe sampling service** is the industry's largest probe packer that can test and sample in ultra-low mobility reservoirs with 66 square inches of flow area and differential limits of up to 7,500 psi. The robust downhole pressure testing and sampling tool is designed with two large flow-area probes positioned radially, 180 degrees from each other at the same depth.

### Test and sample in ultra-low mobility reservoirs

Low permeability formations require a large flow area to limit the effect of high-pressure differentials on sample efficiency. The RCX MAGNA service provides testing and sampling to 0.1 md/cp to acquire accurate and reliable data.

### Reduce reliance on inflatable packers

The multi-probe module provides risk-free deployment and includes an equalization feature to eliminate differential sticking. The RCX MAGNA service offers unlimited settings and is not impacted by hole ovality. The large flow area provides safer, efficient and reliable testing and sampling in ultra-low mobility reservoirs without the need for inflatable packers.

### Increase compatibility and flexibility

Modularity in the design of the RCX MAGNA service allows custom configurations with all products available in the portfolio and enables the ability to achieve all the well sampling and testing objectives in a single descent.

The RCX MAGNA services is also fully enabled for **Sabio™ Log from Anywhere services**. This combination provides full testing and sampling control remotely-offering complete job capabilities while reducing the number of personnel required at the well site.

### Applications

- Low permeability reservoirs
- Unconsolidated formations
- Laminated and heterogeneous formations
- Heavy oil sampling
- Challenging boreholes

### Benefits

- Multi-probe module enables testing and sampling in ultra-low mobility reservoirs across a wide range of applications
- Safe and efficient deployment reduces the dependency on inflatable packers
- Modularity enables compatibility and flexibility with entire product portfolio

Contact your Baker Hughes representative to learn more about how RCX MAGNA large area multi-probe sampling service can mitigate risk and improve the performance of your well. Safe and efficient sampling in ultra-low mobility reservoirs without the dependency on inflatable packers.



### Measurement Specifications

Logging speed	Stationary readings
Conveyance method	Wireline or pipe conveyed
<b>Range of measurement</b>	
Pressure	0 to 25,000 psi
Sample mobility	0.1 md/cp and above
Temperature rating	375F (190.56C)
Pressure rating	25,000 psi (172.37 MPa)
Borehole size	8 <sup>3</sup> / <sub>8</sub> -in. to 10-in.
Borehole ovality	Not impacted
Outside diameter	4 <sup>3</sup> / <sub>4</sub> -in. (tool body OD)
Total probe flow area	66-in. <sup>2</sup> (425.81 cm <sup>2</sup> )
Pump-out rate	0.1 to 88.5 cc/s
Drawdown capacity	56 cc (unlimited repeatability)
Drawdown rate	0.1 to 11 cc/s
Pressure differential	7,500 psi (51.71 MPa)
Sample volume	70 l (18.492 gal) [in one descent]
Mud type	Water based or oil based

Accuracy is the combined effects of repeatability, hysteresis, and corrected linearity over the calibrated temperature range. Stated accuracy does not include the deadweight tester error, which is 0.01% of reading.

Using all single-phase tanks

Using a combination of single-phase and PVT tanks

**Baker Hughes** 