

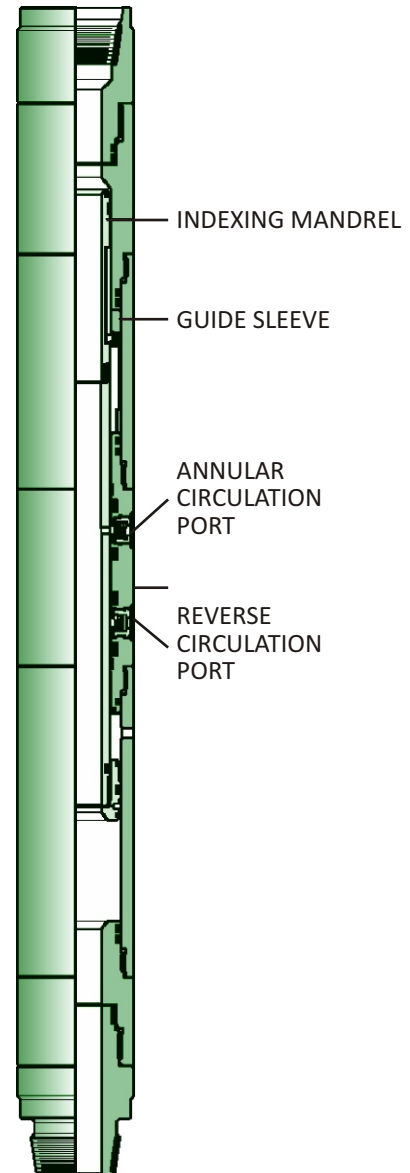
DST Tools

FULL BORE CIRCULATION VALVES

The Full Bore Circulating Valve (FBCV) is opened and closed by increasing and bleeding off tubing pressure. This allows the FBCV to be used in both open hole and cased-hole testing and is completely independent of tools actuated by differential pressure.

The FBCV Indexing Mandrel shifts up when internal tubing pressure is increased to hydrostatic pressure plus 500 psi. Once tubing pressure is released annulus pressure will force the indexing mandrel back to its original position. A guide sleeve will restrict movement of the indexing mandrel forcing the valve to stay closed.

At a predetermined number of these up/down cycles, the guide sleeve will allow the indexing mandrel to shift all the way down exposing ports for reverse circulation. The next increase in tubing pressure will shift the indexing mandrel all the way up exposing ports for tubing to annulus circulation. Once the increased tubing pressure is released, the indexing mandrel will shift back down to its original closed position. The FBCV is again ready to repeat its cycling sequence.



Available in Two Sizes

421303 3.125"OD x 1.125"ID
459214 5.000"OD x 2.250"ID

General Specifications:

Maximum Tensile Rating	350,000 bs.
Temperature Rating	-22°F to 350°F
Maximum Pressure Rating	15,000 psi differential
Maximum Operating Pressure	500 psi above annulus hydrostatic pressure
Service	Suitable for H ₂ S & CO ₂
Piston Area	4.76 in ²
Psi Shear Pin	250 psi at 70°F
Maximum Pumping Rate	4-1/2 bpm

PHONES : +92-51-4433148, 4433415
EMAIL : info@eastern-testing.com
VISIT US : www.eastern-testing.com

