

# Thru-Tubing EQUALIZER LIFT autonomous inflow control device

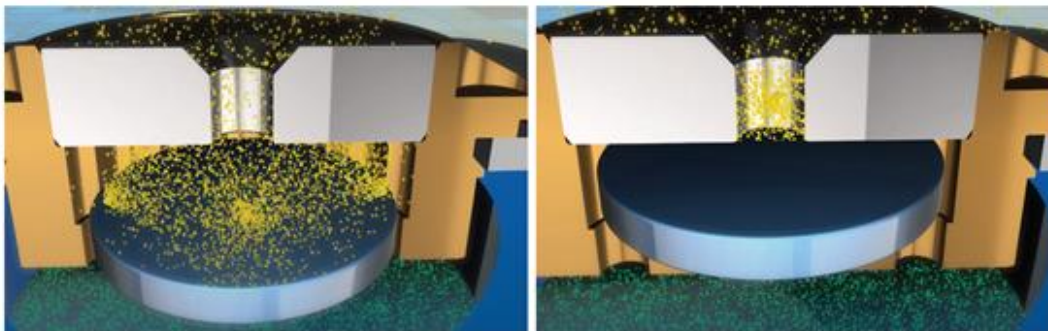
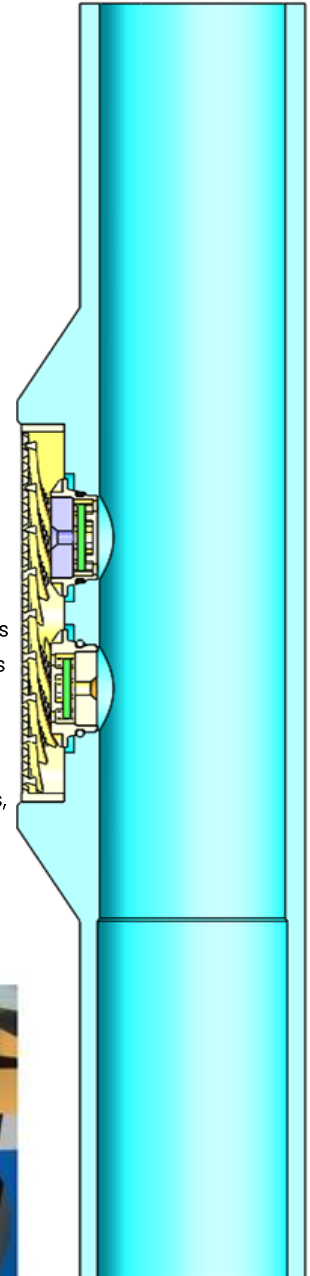
## Features and benefits

- Floating inflow control disc restricts gas and low-viscosity fluids
- Allows higher viscosity fluids to pass through to the production string
- Shuts off flow when gas or water breaks through
- Autonomous operation requires no interaction from surface
- Compact, flexible design allows installation of up to four devices per joint of pipe
- Offers full compatibility with a broad range of sand screens
- Robust construction resists erosion
- Provides reliable flow control for the life of the well

The Thru-Tubing EQUALIZER LIFT™ autonomous inflow control device (AICD) features a unique floating disc that kinetically strangle the flow of unwanted free-gas and water pre/post-breakthrough. When it is properly distributed along well bore in heterogeneous formations, equalizes the In/out-flow pattern, promotes uniform formation drainage, improves productivity and reduces surface installations costs associated to unwanted fluids encroachment.

The EQUALIZER LIFT AICD responds to changing flow rates and fluid properties. When low-viscosity fluids pass through the device at high rates, the local-pressure drops drastically generating an imbalance force that lifts the disc to squeeze the flowing fluid up to instantaneously blocks the source. At that instance, the pressure rebuilds up inside the nozzle creating a sudden force pushing back the disc up to a maximum gap at which the imbalance force reverses attracting back the disk. The process is repeated generating for instance a distinguishable knocking sound that fades/disappears for viscous fluids. The overall result is a significant restriction in gas/water that saves costs and reduces risks of handling gas at surface while promoting an improved oil recovery.

The Thru-Tubing EQUALIZER LIFT™ is ideal for remedial applications, allowing this industry leading technology to be deployed in the post completion phase to increase oil production



When the EQUALIZER LIFT AICD detects the flow of gas (yellow), its floating disc shifts up and either chokes or shuts off flow to prevent breakthrough while oil (green) continues to flow.