

# EquiFlow® Inflow Control Device with Sliding Sleeve

## PROVIDING INFLOW CONTROL TECHNOLOGY WITH SLIDING SLEEVE FUNCTIONALITY

### OVERVIEW

Halliburton EquiFlow® inflow control device (ICD) with sliding sleeve, combined with PetroGuard® sand screen, provide inflow control technology with a mechanical sliding sleeve functionality. Combining ICD with a sliding sleeve helps stabilize the production of fluids and allows selective intervention with a mechanical shifting tool to shut off and re-open ICDs along the length of the production interval, providing a simple and robust system for controlling and isolating flow while ensuring reliable sand control. The system isolates the tubing ID from the reservoir for a variety of reasons including but not limited to, fluid loss control, activation of hydraulically-set downhole tools, zonal stimulation and production, and inflow control device shutoff for ultimate production control.

The EquiFlow ICD provides the ability to balance the inflow from high productivity zones with that from low productivity zones. This increases overall productivity and ultimate recovery, delaying unwanted water or gas production. The adjustability of the EquiFlow ICD allows the operator to change pressure drop and flow rate settings on the rig site and reduces stocking costs and logistics as a single EquiFlow ICD with sliding sleeve can cover a wide range of production scenarios with an array of nozzle sizes available.

ICDs have proven to be valuable assets in balancing the influx profile in long horizontal wells. Whether eliminating the heel-toe effect or mitigating high permeability variances from zone to zone, the ICD is a cost-effective solution to increase total oil recovery over the life of the well.

### FEATURES

- » Sliding sleeve ICD functionality
- » ICD field adjustability
- » Standard sliding sleeve B shifting profile
- » Variety of sand control screens available

### BENEFITS

- » Balanced production fluid influx
- » Delay of water and gas breakthrough
- » Full shutoff of ICD



EquiFlow® Sliding Side-Door  
Inflow Control Device

### EQUIFLOW® SLIDING SIDE-DOOR® INFLOW CONTROL DEVICE

This nozzle-type ICD is combined with DuraSleeve® Sliding Side-Door® sleeve to provide flexibility to allow selective shutoff sections of the production interval for controlling and isolating flow. It provides standard sliding side-door sleeve shifting profiles with the robustness and track record of DuraSleeve circulation and production sleeves.

#### EquiFlow® Sliding Side-Door® Inflow Control Device Specifications

Basepipe OD (in.)	Maximum Casing ID (in.)	EquiFlow® ICD OD (in.)	PetroGuard® Wrap Screen OD (in.)	PetroGuard® Mesh Screen OD (in.)	Sleeve ICD Module Length (in.)	Nozzle Diameters (in.)
2 7/8	2.313	4.125	3.275	3.661	80.5	0.075
3 1/2	2.813	4.75	3.9	4.286	80.5	0.100
4 1/2	3.813	5.75	4.9	5.3	80.5	0.125
5 1/2	4.562	6.75	5.9	6.314	80.5	0.150

### EQUIFLOW® SLEEVE INFLOW CONTROL DEVICE

This nozzle-type ICD incorporates a compact sliding sleeve that allows operators to selectively intervene with a mechanical shifting tool to shut off and re-open ICDs along the length of the producing interval. The ICD is externally adjustable and has four nozzles. The sleeve design is compact, allowing for a shorter sliding sleeve sub-assembly to offer a cost-effective solution when the need to shut off is required.

#### EquiFlow® Sleeve Inflow Control Device Specifications

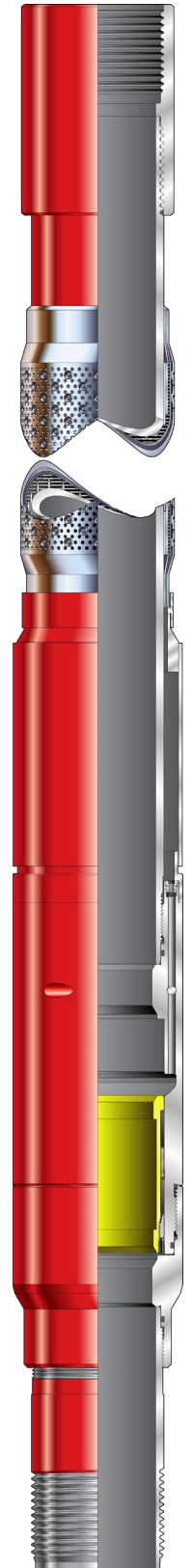
Basepipe OD (in.)	Maximum Casing ID (in.)	EquiFlow® ICD OD (in.)	PetroGuard® Wrap Screen OD (in.)	PetroGuard® Mesh Screen OD (in.)	Sleeve ICD Module Length (in.)	Nozzle Diameters (in.)
4 1/2	3.688	5.8	4.99	4.99	23.9	0.075 0.100 0.125 0.150

No protrusion into the basepipe

For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

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EquiFlow® Sleeve Inflow Control