

# FloRight

## Passive Inflow Control Device (ICD)

FloRight is designed to promote uniform production or injection from the entire length of a horizontal well.

In conventional production wells, fluids have a tendency to cone at the heel of the well. This can lead to early water or gas break, resulting in lost recovery, lost revenues and reduced well life. Evening out the inflow profile results in better coning control, thereby delaying the water or gas breakthrough.

In carbonate reservoirs in particular, FloRight can be used to choke water production from natural fractures.

TAQA's FloRight is cleverly designed to combat this issue by promoting uniform production or injection from the entire length of the well.

The integral centraliser OD of the housing holds the FloRight away from the liner or open hole wall allowing fluid to produce through all the nozzles. High torque connections and spiral shaped centralisers allow for reaming down of the assembly if required.

FloRight can also be used for evenly distributed acid stimulation during the production or injection life of the well.

The ICDs can be placed on every joint or run in combination with blank joints to provide well compartmentalisation, along with mechanical or swellable packers and the appropriate inflow control profile as per client requirements.

Mounted on each housing are up to 6 nozzles, pre-determined through flow modelling, to create a given pressure drop at a given flow rate. By altering the nozzle size or quantity of nozzles a pre-determined flow rate and pressure drop can be achieved.

By installing FloRight, a pre-determined pressure drop can be created between the reservoir and the completion liner. This choking effect creates a back pressure on higher quality sections to contribute to levelling out the inflow profile from the well.



## Technical Specification

<b>Material - Body</b>	As per customer requirements
<b>Material - ICD</b>	Inconel 718 and Tungsten Carbide
<b>Tubing Size and Weight</b>	2 3/8" and larger as per API 5CT
<b>Open Hole Size</b>	From 3/7/8"
<b>Number of Nozzles</b>	1 - 6
<b>Nozzle Flow Rate</b>	0 - 650bbl/day
<b>Pressure Drop</b>	Max 5 bar for injection / Max 30 bar for production