TENDEKA

FloMatik Passive ICD

Inflow Control Device Subs

FloMatik Inflow Control Device (ICD) 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, FloMatik ICDs can be used to choke water production from natural fractures.

Tendeka's FloMatik ICD 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 FloMatik 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.

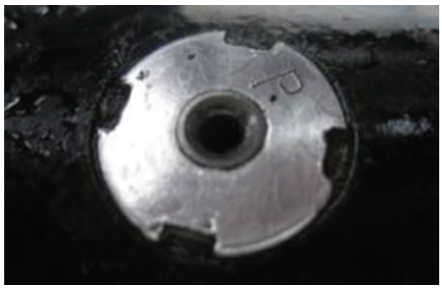
FloMatik ICD can also be used for evenly distributed acid stimulation during the production or injection life of the well.

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 FloMatik ICD's, 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 Specifications	FloMatik-S-FC	FloMatik-R
Material - Body	As per customer requirements	
Material - ICD	Inconel 718 and Tungsten Carbide	
Tubing Size and Weight	2⅜" and larger as per API 5CT	
Open Hole Size	From 3/7/8"	
Length	12"	
Number of Nozzles	1 - 6	
Nozzle Flow Rate	0 - 800bbl/day	
Centralizers	Straight	Spiral
Pressure Drop	0 - 1500psi	
Connections	As per customer requirements	



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