

FloCheck Injection

Effective treatments in Autonomous Inflow Control Device wells

TAQA's FloCheck Injection is an injection valve which can be used for treatment of the completion annulus and near wellbore on wells completed with AICD technologies.

FloCheck Injection can be used alongside TAQA's AICD to bypass the AICD if chemical treatment/stimulation is required. The FloCheck Injection valve can be deployed within the AICD housing to enable treatment of the screen and annulus, whilst the AICD will allow and enhance oil production. The FloCheck Injection valve remains closed during production to prevent any possible cross-flow between zones.

FloCheck Injection can be deployed in injector wells to provide high rate water injection capabilities. Multiple valves can be run per zone to achieve the desired injection rates. FloCheck Injection is designed for use with a wide range of fluids including water, acids and gas, making it very adaptable for well control. The valve can be deployed within a standard screen or sub assembly.

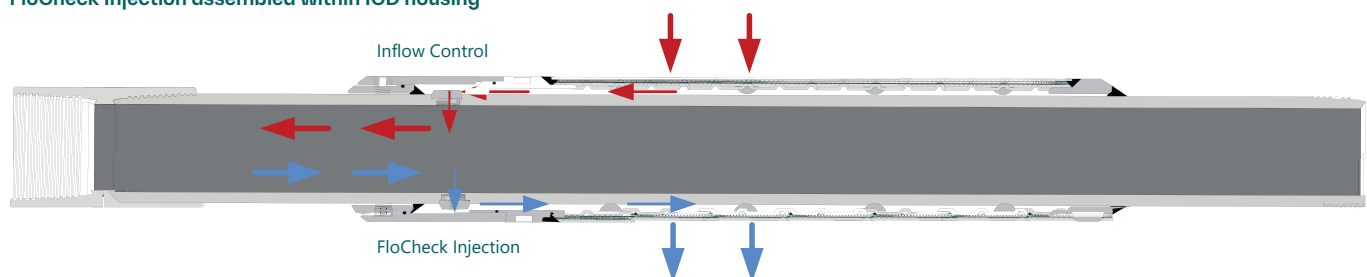
Features

- Based on field proven AICD design and materials
- Bias closed with an adjustable spring force, the BPV is further activated by AICD pressure drop during production.

Benefits

- Improved well performance
- Adaptable for well control
- High injection rates can be achieved using numerous valves per zone
- Interchangeable with TAQA's portfolio of inflow control devices for field flexibility
- Allows bypass of the AICD for chemical treatments

FloCheck Injection assembled within ICD housing



FloCheck Injection Valve installed in injection sub



Technical Specifications

Nozzle size equivalent	10mm	15mm
Design Conditions		
Absolute pressure	4000psi	
Differential pressure	435psi	
Differential opening pressure	40-435psi	
Maximum liquid rate	6.5 gpm/BPV	10 gpm/BPV
Maximum gas lift rate	0.5 mmscf/day	0.63 mmscf/day
Materials		
Housing	Alloy 718	
Seal area	Tungsten carbide	
Spring	Incoloy	