

ESP Check Valve

The UMS Flowell ESP Check Valve is designed to prevent backflow through a pump. The check valve is a shuttle type poppet valve arrangement with a spring return. The spring is in a constant volume chamber which is isolated from well fluids by debris seals.

The spring helps to close the valve prior to fluid flow reversal when the pump is switched off. This eliminates the hydraulic shock also known as water hammer.

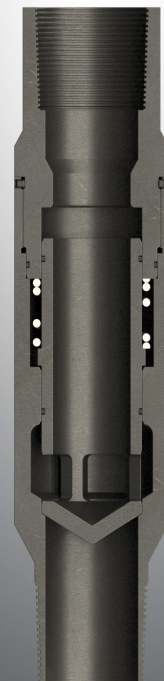
The Check valve is normally positioned above the pump and combined with a bleeder valve (tubing drain), to prevent pulling a wet string during the pump workover.

FEATURES & BENEFITS

- Compact design
- Shuttle design check valve with spring return
- Guided shuttle
- Constant volume isolated spring chamber
- Available in 2-7/8" to 7" sizes
- Available in any customer specified thread connection

SPECIFICATIONS

- 5000psi MWP
- Up to 400F



Technical Specifications - ESP Check Valve

Part Number	Tubing size	OD (in)	Maximum Flow rate
CV-2875-01	2.875"	3.87	8,000bbl/d
CV-3500-01	3.500"	5.00	1 5,000bbl/d
CV-4500-01	4.500"	5.62	22,500bbl/d
CV-7000-01	7"	7.66	40,000bbl/d

