

TS Series

Pump Chek

The RMSpumptools Pump Chek is a flapper style check valve that is used to isolate the ESP from fluid and solid fall-back upon ESP shut down. The metal-to-metal seal ensures a pressure seal against fluid fall-back when the ESP is deactivated. When pumping, the flapper sits out of the fluid flow path to provide full bore ID.

The Pump Chek incorporates a Drain Feature that is activated to avoid pulling a wet string. This is provided by a burst disk in the flapper which is activated by over-pressuring the tubing string. A drop-bar is not required.

In a dual ESP completion where no lower Y-Tool is used, the Pump Chek replaces the standard NRV above the lower ESP to allow tubing drain-off before pulling (when a lower Y-Tool is used, drain-off is either automatic, or can be achieved by pulling a plug). The Pump Chek is also used to allow pressure testing of production tubing and the setting of hydraulically operated tools such as packers.

Production Tubing	OD (Eccentric)	Bore
2-3/8" EUE	3.50"	1.87"
2-7/8" EUE	4.25"	2.25"
3-1/2" EUE	5.00"	2.75"
4-1/2" EUE	6.10"	3.50"

Burst Ratings: 1,000 - 4,000 psi

Key Performance Features

Full Flow on ESP Operation

All Metal Pressure Sealing

No Elastomers

Simple 1-Piece Body Construction

Available in Alloy Steel for Standard Service and 13% Chrome for Sour Service

