

Bypass Series

Y-Chek® - Automatic Y-Tool

With many units successfully installed and operational around the globe, the RMS pumptools Y-Chek® has taken ESP Bypass technology to the next level. This patented Automatic Y-Tool features infinite Sealing Point Technology, substantially increasing sealing integrity and providing an extremely robust and reliable product.

The Benefits

The Y-Chek® eliminates the requirement for a blanking plug, avoiding a needless intervention run and thereby reducing risk, time and cost. The Y-Chek® also replaces the need for check valves in Dual ESP Completions, avoiding further unnecessary cost.

Proven Technology

The Y-Chek® is factory pressure tested to 7,500psi as standard. Its one-piece solid body construction eliminates external leak paths and facilitates higher pressure ratings. Fully versatile, the Y-Chek® is suitable for all Y-Tool applications - Single or Dual ESP completions in any deviation.

The New Standard in ESP Bypass Technology

Unique, Patented Technology
 Patents: EP2088279B1 & US8104540
 Metal to Metal Sealing
 Infinite Sealing Point Technology
 Automatic Operation
 Avoid Needless Intervention Runs
 Field Proven in Harsh Environments
 Pressure Tested to 7,500psi
 Suitable for all Y-Tool Applications

Y-Chek® Size Options

Specifications	7"	9-5/8"	10-3/4"	13-3/8"
OD	6.00"	8.25"	9.25"	11.75"
Min Flow Rate	300 bpd	500 bpd	1,500 bpd	2,000 bpd
Max Flow Rate	15,000 bpd	23,000 bpd	25,000 bpd	30,000 bpd
Max Flow Pressure	5,000 psi	5,000 psi	5,000 psi	5,000 psi
Temperature	150°C	150°C	150°C	150°C
Metalurgy	13 Chrome	13 Chrome	13 Chrome	13 Chrome



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The Y-Chek® is perfectly suited for Dual ESP Subsea applications as it is designed to automatically seal off either leg of the Y-Tool. Therefore when one ESP is operated, the other is isolated and vice versa to provide automatic switching between ESPs.

Bullheading of fluid down the bypass to below both ESPs is also possible because when both ESPs are switched off the ball automatically moves to the Pump side of the upper and lower Y-Cheks, leaving free flow path through the bypass of both ESPs.

Key Performance Features

Size Range: 7", 9-5/8", 10-3/4" and 13-3/8"

Can operate at Extremely Low Flow Rates (from 300 bpd)

Tested to over 25,000bpd

(above the Capacity of a 562 Series Pump)

Fully Functional in all Deviations with Pump Leg either Up or Down

Operates with Existing Range of Logging Plugs

Simple Solid Body Construction eliminates Leak Path risk

Conventional access for Bypass/Intervention Tools

Automatic Operation on ESP Start-up and Shut-down

All Metal Sealing - No Elastomers

Ball/Seat Sealing Mechanism offers Infinite Seal Faces

Ideal for Subsea Applications

Suitable for Sandy Well Environments

7,500psi Working Pressure

Eliminates a Blanking Plug

Saves Rig Time and Lost Production Time

Saves Wireline/Coiled Tubing Time

Flow Rate Information

