

# CHAMP® V 15K Straddle Packer System

## ISOLATE MULTIPLE ZONES WITH A RETRIEVABLE PACKER SYSTEM

### OVERVIEW

The CHAMP® V 15K Straddle Packer System is a cased hole packer system that enables isolation of two zones with a single bottom hole packer system. Dual zone well testing can increase efficiency by allowing two zones of interest to be investigated with a single trip in the well with the downhole tools. The straddle packer system uses two Champ V packer variants that are spaced out such that the lower CHAMP packer is set between the two zones of interest. The upper packer is positioned above the upper zone of interest, isolating it from the annulus fluids above. This creates isolation between two zones enabling each zone to be independently investigated. The bottom packer is set by slacking off weight and the upper packer will set after approximately a 3 to 6 minute delay using the same slack off weight. A unique system is incorporated into the upper packer to insure that the elements are not subjected to undesired compression while RIH preventing possible damage to the elements.

### FEATURES

- » Uses retrievable packer for lower packer
- » Upper packer incorporates concentric bypass for fluid flow around packer elements for RIH and POOH
- » Metering system of upper packer insures packer integrity while RIH and delays packer element setting
- » Based upon the proven Champ V packers
- » Upper packer has hydraulic hold down system enabling injection/treating of upper zone
- » Centralizer system for the upper packer elements to insure packer elements properly engage casing
- » Upper packer can be set unset as many time as desired or necessary
- » Fully adjustable spacing between packer elements
- » Transmits torque for any rotation requirement of tools below the upper packer
- » Spring assist to facilitate packer element relaxation after unset
- » Fully compatible with all Halliburton DST tools

### BENEFITS

- » Enables dual zone testing
- » Eliminates time and cost of a separate trip and a production packer
- » Reduces rig time when testing multiple zones
- » Enhances reservoir understanding with increased operational flexibility
- » Enables flow of upper zone while lower zone is in build-up period



HAL 92465

## Equipment Specifications

Casing Size In.	9 5/8	9 7/8	10 3/4 HW	
Outer Diameter in. (cm)	8.165 (20.74)	8.165 (20.74)	8.165 (20.74)	
Inner Diameter in. (cm)	3.00 (7.62)	3.00 (7.62)	3.00 (7.62)	
Makeup Length in. (cm)	217.38 (552.15)	217.38 (552.15)	217.38 (552.15)	
End Connections	5 1/4 CAS (Box) 5 1/4 CAS (Pin)	5 1/4 CAS (Box) 5 1/4 CAS (Pin)	5 1/4 CAS (Box) 5 1/4 CAS (Pin)	
Nominal Casing weight lb/ft	47 to 61.1	62.8	91.2 to 109	
Minimum Casing ID in. (cm)	8.231 (20.91)	8.480 (21.54)	8.434 (21.42)	
Maximum Casing ID in. (cm)	8.681 (22.05)	8.632 (21.93)	9.032 (22.94)	
Absolute Pressure <sup>1</sup> psi (bar)	20,000 (1378)	20,000 (1378)	20,000 (1378)	
Burst Pressure <sup>2</sup> psi (bar)	Open Ended	15,000 (1034)	15,000 (1034)	15,000 (1034)
	Bull Plugged	15,000 (1034)	15,000 (1034)	15,000 (1034)
Collapse Pressure <sup>2</sup> psi (bar)	Open Ended	15,000 (1034)	15,000 (1034)	15,000 (1034)
	Bull Plugged	15,000 (1034)	15,000 (1034)	15,000 (1034)
Tensile Load <sup>3</sup> lb (kg)	330,000 (150,000)	330,000 (150,000)	330,000 (150,000)	
Service Temperature °F (°C)	400 (204)	400 (204)	400 (204)	

## Notes:

<sup>1</sup> Absolute pressure is the total hydrostatic plus applied pressure.

<sup>2</sup> Differential pressure is the difference in pressure between the casing annulus and the tool ID.

<sup>3</sup> The values of tensile, burst, and collapse strength are calculated with new tool conditions, Lamé formulas with von Mises' Distortion Energy Theory for burst and collapse strength, and stress area calculations for tensile strength.

» Meets NACE MR0175 requirements (>175°F / 79°C).

» These ratings are guidelines only. Refer to the equipment data book for individual equipment specifications.

For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

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