



# RESERVOIR MONITORING

## Multi-Cycle Shut-in Tool

Spartek Systems specializes in providing the oil and gas industry with high quality data to monitor well performance and diagnose potential problems. Founded in 1994, Spartek Systems leads the industry in providing cost effective solutions for acquiring reliable well information.

### Product Overview

The SS3100, Multi-Cycle Shut-In Tool (SIT) has been engineered for improved reliability. The instrument has been tested thoroughly, and our engineers have implemented a double-tier mount system that virtually eliminates shock to the electronics. The Multi-Cycle SIT has proven to be a valuable tool in tests where wellbore storage or access to location are factors. The reduction in wellbore storage minimizes test time, and usually improves data quality for analysis, especially when evaluating the effects of near wellbore damage (skin). The ability to shut-in the well downhole and have it reopen automatically means production need not be lost if the location is not accessible. A single SIT or multiple Shut-In Tools can be deployed



in a particular well to facilitate build-up surveys, dependent on the number of independent zones in the wellbore completion profile. This flexibility can provide vital test information at minimal costs to the operator.

### Specifications

MODEL	SS3100 Series	
<b>Pressure Rating</b>	15,000 psi	
<b>Differential Pressure Rating</b>	10,000 psi	
<b>Temperature</b>	150°C (302°F)	
<b>Power Requirements</b>	Voltage (min) Life	
	11.2 V Lithium Pack 4 Cycles (Open and Close)	
<b>Housing</b>	<b>SS3100</b>	<b>SS3110</b>
Diameter	2-3/8", 2-7/8"	3 1/2"
Material	17-4 PH 718 Inconel	17-4 PH 718 Inconel
Flow Areas	1.04 in <sup>2</sup>	2.45 in <sup>2</sup>
O.D.	1.75"	2.50"
Length	48"	52"
Connections		
Top	1-3/8 14 UNS 2B	2-1/4 12 SLB 2B
Bottom	5/8" Sucker Rod Box (15/16 UNC 2B)	

Specifications subject to change without notice

### Features and Applications

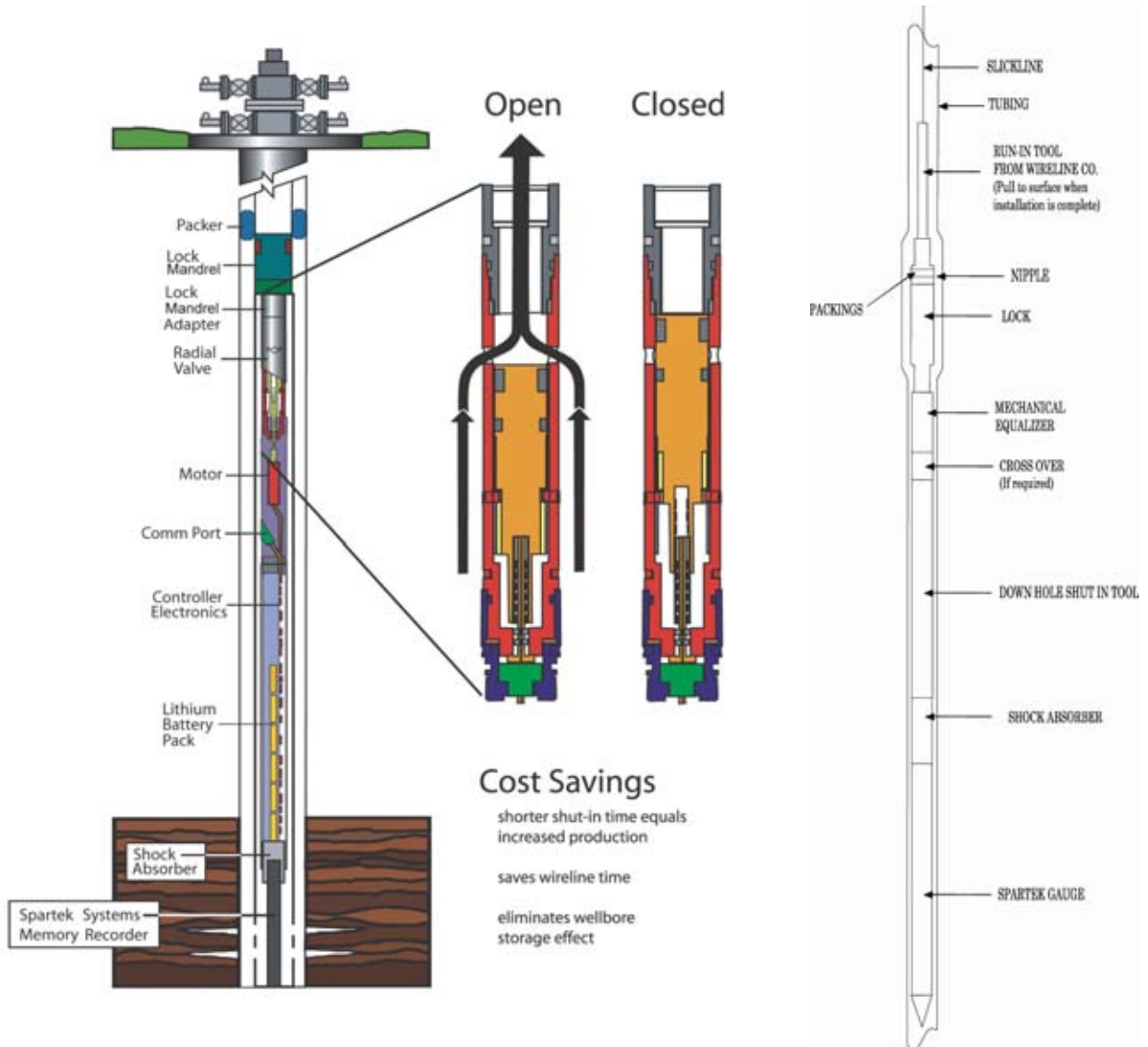
- ▶ Simultaneous multi-zone testing
- ▶ Interference tests
- ▶ High temperature rating
- ▶ Eliminates wellbore storage effect
- ▶ Sour service available
- ▶ Modular configuration
- ▶ Windows OS: 7/Vista/XP/NT/2000

## SPARTEK SYSTEMS

Providing Our Customers With "Best In Class" Technology

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