

Vertechs SAIF Self-setting Dissolvable Plug System

Vertechs SAIF Self-Setting Dissolvable Plug System is an integrated solution that combines a disposable setting tool with the Wizard dissolvable plug. The system sets the plug autonomously, eliminating the need for additional setting tools or a Wireline Adapter Kit (WLAK). By connecting the Wizard plug directly to the disposable setting tool, the SAIF system removes the requirement for WLAK – along with its associated onsite maintenance and inspection procedures. This innovation reduces the overall plug BHA length by 66.8%, which facilitates run-in-hole (RIH) and pump-down operations, thereby enhancing pump-down efficiency. Furthermore, the SAIF system requires zero onsite maintenance – from delivery at the Vertechs facility to unboxing and assembly on the wireline BHA at the wellsite. This streamlined approach helps reduce human error-related non-productive time (NPT) and improves operational efficiency.



FEATURES

- Zero onsite maintenance required
- Increased operational efficiency
- Self-setting design with no additional setting tools & WLAK required
- Standard plug BHA overall length reduced by 66.8%

- Improved pump-down and passing-through capability
- The disposable setting tool automatically relieves downhole pressure after setting, reducing operational risks
- SmartFin pump-down ring (Optional) helps conserve water and enhance pump-down efficiency

SPECIFICATIONS

Casing			SAIF Assembly			
Size in.[mm]	Weight (ppf)	ID in.[mm]	OD in.[mm]	Length in.[mm]		
5.5 [139.7]	26	4.548 [115.52]	3.858 [98]	33.937 [862]		
Disposal Setting Tool						
OD in.[mm]	Length in.[mm]	Pressure Rating psi.[MPa]	Temperature Rating °F[°C]	Setting Stroke in.[mm]	Setting Force lbs.[ton]	Connection
3.740 [95]	26.063 [662]	17,400 [120]	302 [150]	7.008 [178]	55,000 [25]	2-8 Stub Acme
Slim Wizard Dissolvable Plug						
OD in.[mm]	ID in.[mm]	Length in.[mm]	Pressure Rating psi.[MPa]	Temperature Rating °F[°C]		
3.858 [98]	0.827 [21]	7.874 [200]	7,250 [50]	212 [100]		

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