

# SC-XP extreme performance gravel- and frac-pack system

## Maximize reservoir drainage and increase operational flexibility

The **SC-XP™ extreme performance (EP) gravel- and frac-pack system** provides advanced performance in high-pressure/high-temperature (HP/HT) environments, enabling faster conveyance rates and delivering higher production ratings than existing sand control systems, all while maintaining simple retrieval. Using a platform approach, the SC-XP system can be configured into the SC-XP or SC-XP Prime system, covering the full spectrum of sand control applications ranging from deepwater to conventional.

With aggressive treatment capabilities, the SC-XP system helps customers to maximize reservoir connectivity and conductivity, and to improve overall reservoir drainage. The system can deliver proppant volumes up to 1,050,000 lb (476,272 kg), at a rate of 60 bpm with treating pressures up to 15,000 psi (103 MPa), and at temperatures up to 400°F (204°C). Despite its high injection rates and large proppant volumes capability, the system maintains casing integrity during operations, and is also flexible

enough to perform long horizontal, openhole gravel packs without disturbing the filter cake.

The SC-XP system's swab-resistant V0-rated packer element enables fast run-in rates for improved rig site efficiency. It also withstands high circulation rates, enabling more efficient openhole displacement operations. For added reliability, the system's crossover tool supports set-down weight in all positions to provide positive location.

For applications where weight-down and mechanical indication of the reverse position are not desired, the SC-XP Prime system is recommended. It can be configured without the lower extension, which can be replaced with a simple casing pup joint sub, eliminating multiple components below the SC-XP crossover tool and simplifying the rental string.

For more conventional applications, an even further optimized system is available. The SC-XP Select system is the most economic out of the three systems, offering the features of the SC-XP rental string, while using

### Applications

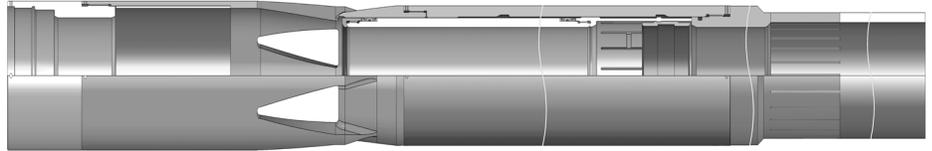
- Land and offshore, including deepwater completions
- Large HP/HT reservoirs with bubble-tight requirements
- Formations requiring high treating pressures

### Benefits

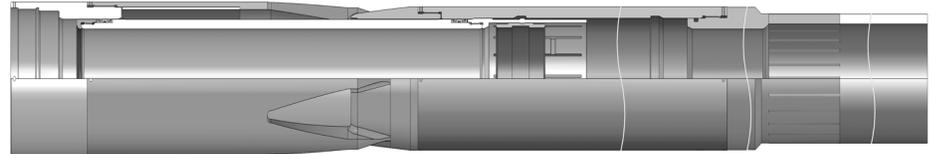
- Uses a V0-rated ZX packing element to enable fast run-in and high-rate circulation
- Features V3- to V0-rated lockable sliding sleeves to eliminate the need for straddle seal assemblies
- Supports high pump rates and proppant volumes
- Prevents inadvertent unsetting by using a packer with a helical retrieval profile
- Improves reliability via positive locating single treatment position for circulating, squeeze, and packer testing

field-proven saleable components with a long track record of field success.

Contact your local representative to learn more about our SC-XP system, and how it can maximize production and increase operational flexibility on your next job.



Sliding sleeve in open position



Sliding sleeve in closed position

### SC-XP and SC-XP Prime Gravel- and Frac-pack System Specifications

Tier	System	System Size	Casing		Bore Size	Pump Ratings			Maximum Treating Pressure		Packer Production ΔP Rating		Maximum Temperature		Sliding Sleeve Extension Production ΔP Rating	
			in.	lb/ft		Pump Rate	Proppant Volume		psi	MPa	psi	MPa	°F	°C	psi	MPa
Frac	Prime	9.625 x 6.00	9 <sup>5</sup> / <sub>8</sub>	53.5/47	6.000	60	1,050,000	476,270	12,000	83	10,000 V0	69 V0	400	204	7,500 V0	52 V0
	DW/ Prime	9.625 x 5.375	9 <sup>5</sup> / <sub>8</sub>	53.5	5.375	60	1,050,000	476,270	15,000	103	12,000 V3	83 V3	240	115	12,000 V3	83 V3
			9 <sup>5</sup> / <sub>8</sub>	47	5.375	60	1,050,000	476,270								
	DW/ Prime	7.625	7 <sup>5</sup> / <sub>8</sub>	33.7/39	3.875	50	500,000	226,800	15,000	103	12,000 V0	83 V0	400	204	10,000 V3	69 V3
			7 <sup>5</sup> / <sub>8</sub>	33.7/39	3.875	45	300,000	136,080								
	Gravel Pack	Prime	9.625 x 6.00	9 <sup>5</sup> / <sub>8</sub>	53.5/47	6.000	-	-	-	-	-	10,000 V0	69 V0	400	204	7,500 V0
DW/ Prime		9.625 x 6.00	9 <sup>5</sup> / <sub>8</sub>	53.5	5.375	-	-	-	-	-	12,000 V3	83 V3	240	115	12,000 V3	83 V3
DW/ Prime		9.625 x 6.00	9 <sup>5</sup> / <sub>8</sub>	47	5.375	-	-	-	-	-	12,000 V0	83 V0				

The table shows the maximum available ratings in any specific system size. Treating pressure, packer production, and temperature ratings will vary with metallurgy and elastomer selection. Please contact your local technical support representative for more information.

