

# 15,000 psi-rated multistage completion system

Maximize productivity and increase stimulation efficiency in extremely tight formations

Multistage completion designs are often restricted by the pressure ratings of the completion tools, limiting the effectiveness of the fractures. This is especially true in extremely tight formations where pressures exceed 10,000 psi to perform the frac job. As wells continue to be drilled deeper, longer, and in more challenging formations, high-performance completion technologies are critical to maximize stimulation efficiency and production.

The **Baker Hughes 15,000 psi-rated multistage completion system** helps you overcome these challenges by offering a fit-for-purpose engineered solution. From the liner top to the toe of the well, you can depend on a comprehensive system that can reliably withstand extreme downhole conditions. It eliminates the complexity of building a solution assembled by multiple vendors, while also ensuring all of the components function as a holistic system for increased reliability and performance.

The system offers industry-leading circulation rate capabilities without compromising the seal integrity of the packer, which improves hole cleaning and ensures the system reaches the

optimal setting depth in extended reach laterals. The ability to rotate during deployment also improves operational efficiency, reducing overall completion installation times.

## Built on industry-leading technologies

The **FracPoint™ EXTREME ball-activated frac sleeve** maximizes multistage completion flexibility with high stage count options at pressures up to 15,000 psi. The sleeve features a locking mechanism to ensure it remains open throughout the entire treatment. The sleeve's easy-to-mill ball seats offer an anti-rotational feature that allows for efficient removal, if required. The system is also compatible with dissolvable frac balls to open the sleeves, which eliminates the need for ball flow back and related operational time and risks.

The system features the field-proven **RockLock™ 15k openhole packer** which provides reliable zonal isolation with differential pressure ratings up to 15,000 psi. Using the first additive-manufactured backup system and proprietary **Aptum™ seal**, the packer offers a broad expansion range at extreme differential pressures, as well as a long-lasting seal in irregular

## Applications

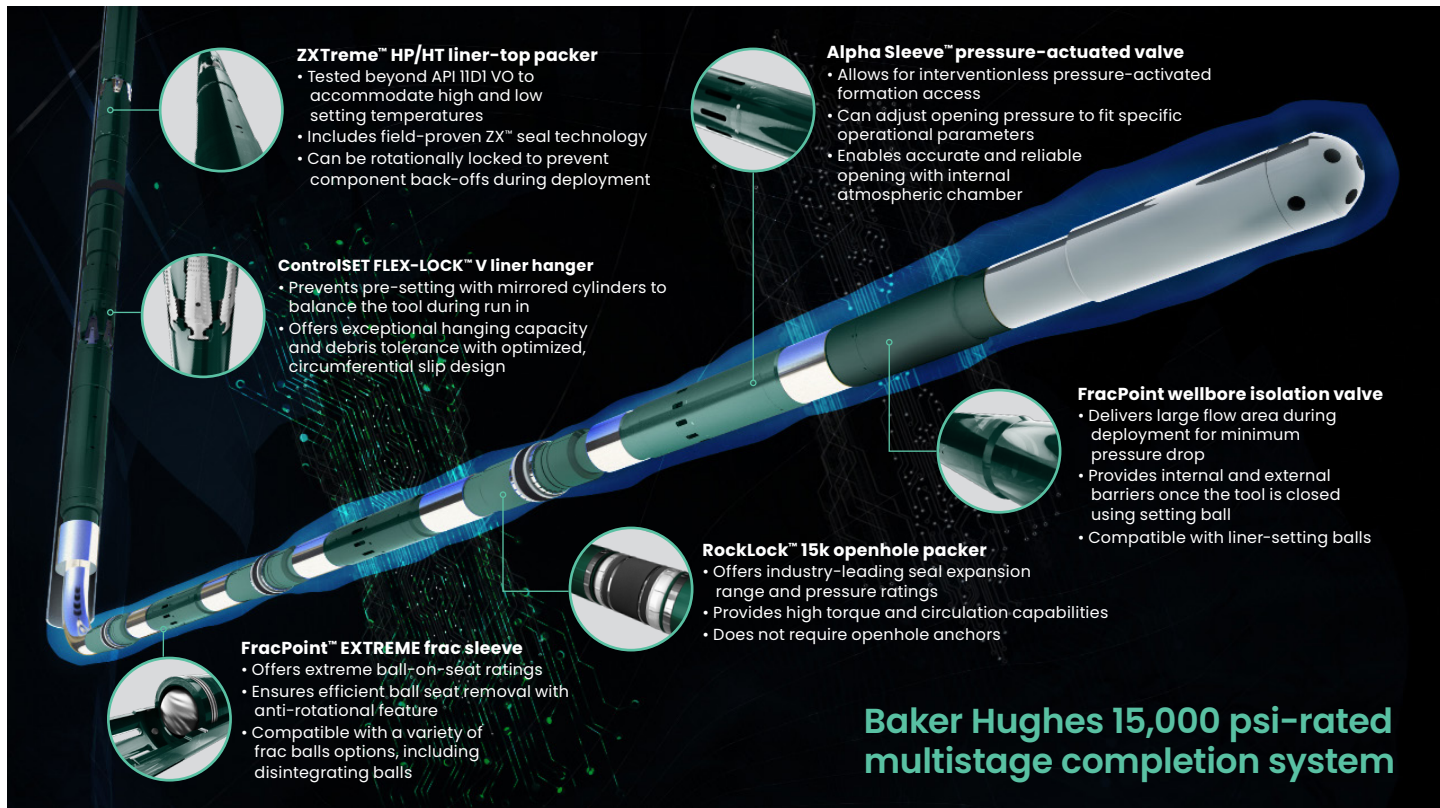
- Unconventional reservoirs
- Openhole multistage completions
- Extremely tight formations
- Extended-reach laterals
- High pressure hydraulic fracturing

## Benefits

- Maximize reliability with fully integrated completion system
- Increase stimulation efficiency with industry-leading stage count capabilities
- Improve completion installation efficiency
- Increase frac performance in extremely tight formations
- Achieve optimal setting depth with the ability to rotate during deployment
- Withstand high circulation rates through sleeves and around packers during deployment
- Achieve first oil sooner with dissolvable frac ball options

openhole wellbores, regardless of fluid type or temperature range. Building on the long history of our openhole packer technology, the RockLock packer continues to offer an anchorless design to help reduce overall well completion costs.

To learn how our 15,000 psi-rated multistage completion system can help you maximize the productivity of your next completion, contact your local Baker Hughes representative.



## Specifications

	ControlSET FLEX-LOCK V liner hanger	ZXTreme HP/HT liner-top packer	RockLock 15k openhole packer	FracPoint EXTREME frac sleeve	Alpha Sleeve pressure-actuated valve	FracPoint wellbore isolation valve
<b>Size</b>	4.5 x 7	4.5 x 7	563-353	550-370	550-263	550
<b>Casing size</b>	4.5 in.	4.5 in.	4.5 in.	4.5 in.	4.5 in.	4.5 in.
<b>Casing/Open hole size</b>	7 in.	7 in.	5.875 - 6.125 in.	5.875 - 6.250 in.	5.875 - 6.5 in.	Minimum 5.875 in.
<b>Pressure rating</b>	15,000 psi (1034 bar)	15,000 psi (1034 bar)	15,000 psi (1034 bar)	15,000 psi (1034 bar)	15,000 psi (1034 bar)	15,000 psi (1034 bar)
<b>Maximum OD</b>	5.819 in.	5.770 in.	5.630 in.	5.5 in.	5.55 in.	5.5 in.
<b>Minimum ID</b>	3.726 in.	3.726 in.	3.530 in.	Ball seat size dependent	2.625 in.	1.325 in.
<b>Temperature rating</b>	300°F (148°C)	400°F (204°C)	350°F (177°C)	350°F (177°C)	350°F (177°C)	350°F (177°C)

