

AgitatorZP System

All the benefits. No compromises.

The Agitator™ZP System offers the same friction reduction benefits as our premium Agitator systems, with ZERO pressure drop across the tool.

The AgitatorZP System is specifically designed for premium applications where stand pipe pressure limitations are a challenge. NOV's new zero pressure Agitator technology maximizes weight transfer and improves directional control, particularly in the longest lateral sections where other friction reduction technologies simply cannot be run due to pressure or flow rate limitations.

This zero pressure innovative technology provides necessary friction reduction in drilling applications with high SPP demands or in applications requiring dual friction reduction tools to reach complex drilling targets while maintaining high ROP. The new AgitatorZP System is the optimal technology to improve drilling performance in operations where system pressure is critical such as smaller pump capacity rigs or operations running smaller drill pipe sizes.

Technical Data

OD	5¼ in.
Length	23 ft
Weight	1,267 lb
Flow rate	200 - 450 gpm
Pressure drop	zero
Drilling fluid loss to annulus*	6-7%
Temperature rating	320° F
Operating frequency	8-12 Hz
Spring rate	32,000 lb/in.
Maximum opening travel	2.5 in.
Maximum closing travel	2 in.
Pump open area	11.8 in ²
Tensile yield	395,000 lb
Torsional yield	31,500 ft-lb
Connections	XT39, XT43, 4" FH, Delta™ 425, GPDS40, GPDS42, CET40, CET43

*The AgitatorZP system will release 6-7% of the drilling fluid to the annulus.



Benefits

- Greater flexibility in extended reach operations, 2.5-3 mile laterals and dual FRT applications
- Maximize motor differential in the longest laterals where FRs are reduced due to pressure limitations
- Maximize weight transfer in the most demanding applications
- Improve drilling efficiency when rotating and sliding
- Reduce stick-slip and torsional vibration with RSS BHAs
- Maintain ROP in extended reach/lateral sections
- Drill farther and drill faster