



Internal Autoseal™ Tool

The Weatherford internal Autoseal tool facilitates fill or circulation of casing with mud at any point as the casing is run into the hole. This unique tool can almost instantly transition from fill-up mode to circulation mode, which significantly reduces the risk of stuck casing, especially in highly deviated wellbores. The Autoseal tool can also be used to control flowback when running liners through tight spots. The tool can be safely rigged up or down in about 15 minutes.

Applications

- Long casing strings for which manual fill-up methods are inefficient or impractical
- Operations with tight casing tolerances, where flowback is a concern
- 4 1/2- to 22-in. casing

Features, Advantages, and Benefits

- The tool provides almost instantaneous transition from fill-up mode to circulation mode. This significantly reduces the risk of stuck casing.
- Two sealing elements provide complete sealing integrity inside the casing to prevent blowback, which enhances safety.
- The back-off safety release sub prevents the elevator from locking up if there is a lack of compression.
- The mud valve is fully open when inserted into pipe, which enables the same tool configuration to handle fill-up and flowback applications.
- The tool enables automatic flowback control in tight-tolerance casing. This results in a cleaner, safer work area on the rig floor.
- Tool sizes range from 8 to 20 bbl/min (3,180 L/min), depending on the application, to provide operational versatility.
- The tool can be configured with two packers to run multiple casing sizes (tapered strings) for greater efficiency.
- The tool eliminates manual casing fill-up to increase operational efficiency.

Options

- An optional push plate helps to push casing through tight spots in the wellbore for greater efficiency.



Specifications

Casing Sizes	Valve ID	
	in.	mm
<7in.	1.0	25.4
>7in.	1.5	38.1