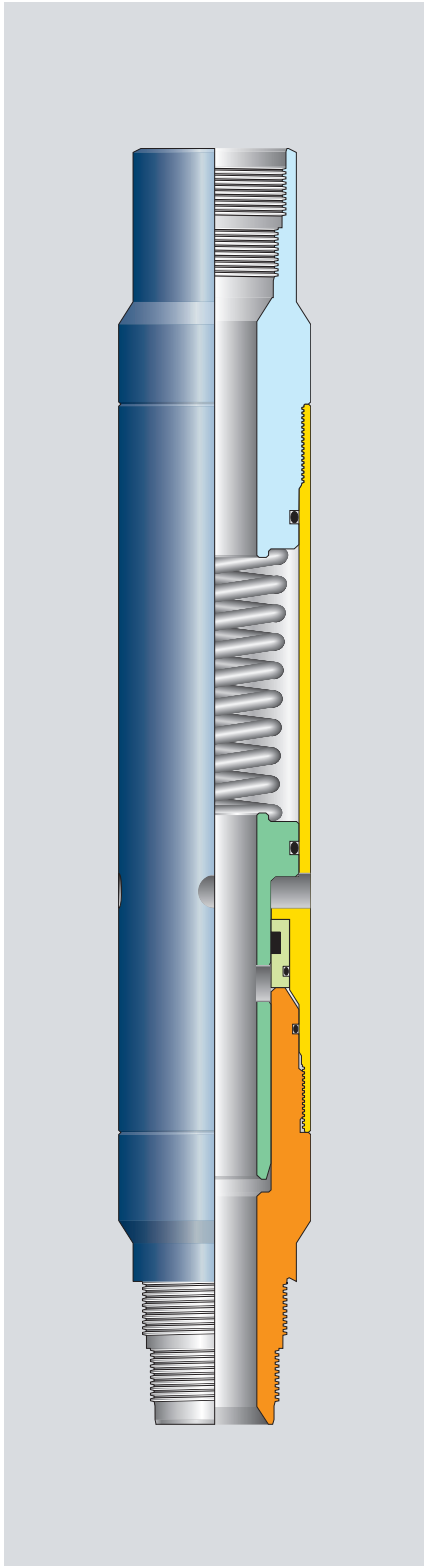


## Autofill Valve



### Applications

- Run with hydraulically set packers
- Low-hydrostatic wells

### Benefits and features

- Keeps hydraulic balance across the tool string
- Can prevent premature activation of hydraulic tools
- Simple and inexpensive tool
- Molded seal for reliable operation

The autofill valve provides a means of filling the CT, or jointed pipe, work string from the annulus when running the string plugged. The valve automatically balances the fluid level inside the CT string to the fluid level in the annulus to maintain a hydraulic balance on any tools in the work string.

This is particularly important when hydraulically operated tools, such as packers, are used in low-fluid-level wells and filling the work string from the top can prematurely activate the hydraulic tools. In live wells, the CoilTOOLS differential valve, which is run below check valves, is recommended instead of the autofill valve.

The autofill valve contains a spring-loaded, unbalanced sleeve valve. The valve opens when the annulus pressure is greater than the CT pressure, and closes when the annulus pressure equals the CT pressure. The valve remains closed when additional pressure is applied to the coiled tubing, allowing the operation of other pressure-actuated tools in the tool string.

### Autofill Valve

OD (in.)	ID (in.)	Length <sup>†</sup> (in.)
1.688	0.625	18.000
2.125	0.844	18.000
2.563	1.125	18.000

<sup>†</sup> Includes CS Hydril thread