



# Weatherford®

Cementing Products

## *Sure-Seal 3™ Flow-Activated Auto-Fill Device*

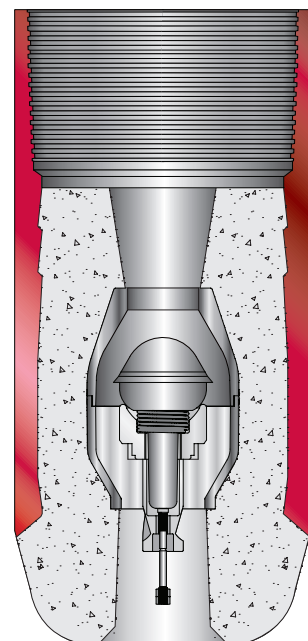
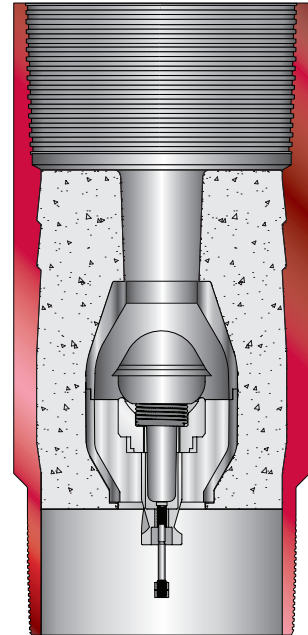
Weatherford's flow-activated auto-fill device allows casing to fill automatically while running in the hole. This device is designed for installation on *Sure-Seal 3* float valves and can be retrofitted to existing float equipment with a single *Sure-Seal 3* valve.

### *Applications*

- Provide auto-fill while running-in, and backpressure and flow during cementing operations

### *Features, Advantages and Benefits*

- The versatile design accommodates 2 1/2-in. and 3 1/4-in. cemented *Sure-Seal 3* valves on float collars and float shoes.
- This device automatically fills casing at rates of up to 15 bbl/min, providing a time- and cost-saving solution by increasing running speed and reducing surge on the formation.
- Circulation rates of up to 3 bbl/min without deactivation of the auto-fill device are possible.
- The auto-fill device is de-activated at flow rates of 7 bbl/min and above, and features a retaining mechanism that prevents separation of the device from the valve, preventing it from interfering with equipment further down in the well.
- The impeller is compact and robust with all-plastic construction, promoting durable, worry-free operation.
- The *Sure-Seal 3* auto-fill device is PDC drillable to save time and money during drillout operations.





## *Sure-Seal 3™ Flow-Activated Auto-Fill Device*

### *Specifications*

Maximum temperature rating of impeller (°F/°C)	400 204
Maximum recommended fill-up rate	4 1/2-in. to 7 5/8-in. casing: 10 bbl/min
	8 5/8-in. and larger casing: 15 bbl/min
De-activation flow rate	4 1/2-in. to 7 5/8-in. casing: 4 to 6 bbl/min
	8 5/8-in and larger casing: 5 to 7 bbl/min
Maximum circulation flow rate without de-activation	3 bbl/min
Maximum temperature rating of float equipment without device (°F/°C)	400 204

### *Options*

- The *Sure-Seal 3* auto-fill device can arrive completely assembled and installed onto the float equipment, ready for use.
- A field kit is also available to retrofit the auto-fill device onto existing float equipment containing a single *Sure-Seal 3* valve in which the valve is already cemented into the float equipment.

