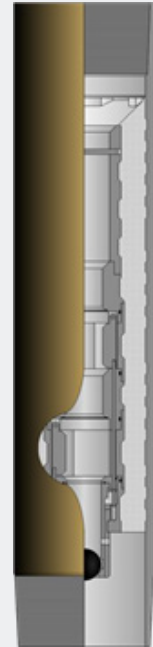


ULTRASEAL™ Auto-Fill Float Equipment

Features and Benefits

- Proprietary, dual composite flapper valves allow high backpressure holding capability and allows flexibility for the design of the primary cement job for improved zonal isolation
- Large ID through valves and ball seat maximizes running speeds and minimizes surge pressure to decrease costly mud loss and increase rig time savings
- Removable ball seat allows conversion flow rate and pressure to be easily adjusted prior to running downhole, enabling real-time adaptability to changing wellbore conditions
- Activation ball can be trapped in place or dropped from the surface for improved operational flexibility
- When trapped in place, activation ball is designed to stay off seat to mitigate the risk of premature conversion from sudden casing movement
- “Stackable” without the need for modification; one deactivation ball can trip two or more collars to remove the need to run a baffle collar in between assemblies to catch an auto-fill tube
- Anti-rotation feature on landing surface prevents plug spinning to allow for faster drill out
- Tapered landing surface is compatible with Frank’s ULTRALATCH™ Subsurface Release and other plug systems to allow for additional plug set options



Use in the following applications: Deepwater and ultra-deepwater Shelf

The Frank’s International ULTRASEAL™ Auto-Fill Float Equipment is an integral part of the Frank’s International surge reduction system. Designed for running and cementing tight-tolerance casing and liner strings, the ULTRASEAL™ combines industry-leading technology and exclusive features to provide flexibility and efficiency in well construction operations.

When combined with our ULTRAFLO™ Diverter System, the ULTRASEAL™ provides optimal surge reduction in tight tolerance well bores.

Specifications

Size	Max Bump Pressure (PSI)	Max Back Pressure (PSI)	Maximum Flow Duration (Before Conversion)	Maximum Flow Duration (After Conversion)	Conversion Flow Rate (BPM)	Conversion Pressure (PSI)	Minimum Auto-Fill ID (IN.)	Activation Ball OD (IN.)	Temperature Rating	API Spec 10F (API RP 10F IIIB)
9-5/8" to 14"	7,500	7,500	24 hrs @ 2.4 bpm (Low Flow Setting) 24 hrs @ 4.8 bpm (High Flow Setting)	36 hrs @ 10 bpm 24 hrs @ 20 bpm	0 to 8	200 to 700	3.00	3.25	300°F	D36 R10 T300 P7.5 AF12
16" to 18"	5,500	5,500	24 hrs @ 2.4 bpm (Low Flow Setting) 24 hrs @ 4.8 bpm (High Flow Setting)	36 hrs @ 10 bpm 24 hrs @ 20 bpm	0 to 8	200 to 700	3.00	3.25	300°F	D36 R10 T300 P5 AF12