

Well Construction

Cementing Technologies

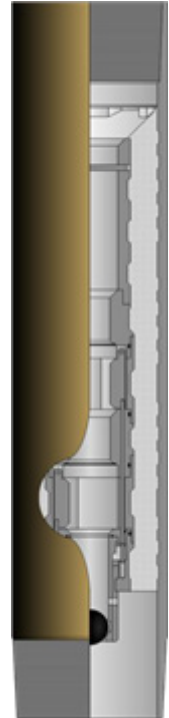
ULTRASEAL™ Auto-fill Float Equipment

The Expro ULTRASEAL™ Auto-Fill Float Equipment is an integral part of our 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 the Expro ULTRAFLO™ Diverter System, the ULTRASEAL™ provides optimal surge reduction in tight tolerance well bores.

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 Expro's ULTRALATCH™ Subsurface Release and other plug systems to allow for additional plug set options





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Specifications		
Size	9-5/8" to 14"	16" to 18"
Max. bump pressure (psi)	7,500	5,500
Max. back pressure (psi)	7,500	5,500
Max. flow duration (before conversion)	24 hrs @ 2.4 bpm (Low Flow Setting) / 24 hrs @ 4.8 bpm (High Flow Setting)	
Max. flow duration (after conversion)	36 hrs @ 10 bpm 24 hrs @ 20 bpm	36 hrs @ 10 bpm 24 hrs @ 20 bpm
Conversion flow rate (bpm)	0 to 8	0 to 8
Conversion pressure (psi)	200 to 700	200 to 700
Min. auto-fill ID (in.)	3.00	3.00
Activation ball OD (in.)	3.25	3.25
Temperature rating (°F)	300	300
API Spec 10F (API RP 10F IIIB)	D36 R10 T300 P7.5 AF12	D36 R10 T300 P5 AF12