



Self-Filling Float



The Self-Filling poppet or flapper style-floats enable operators to accelerate trip times, saving up to 18 minutes per 1,000 ft run in hole by allowing self-filling and eliminating time-consuming top filling.

The robust hold open mechanism allows for MWD and other shallow hole testing without premature float activation issues. Replacing the need for traditional floats, the Self-Filling Float, offers dual protection and through bore access prior to activation.

The tool is activated by a unique smart dart and requires no additional equipment or personnel. Simply drop the dart from surface on approach to the shoe to provide protection while drilling the section.

BENEFITS

- Self-filling delivers time savings of up to 18 minutes per 1,000 ft run in-hole
- MWD and other shallow hole testing can be performed without activating the floats
- Through bore access prior to activation
- Simple and fast activation at the shoe – no additional equipment or personnel required
- Premium double floats offer enhanced protection once activated
- Surge-relief – formation damage induced by surge pressures can be avoided
- Rig safety is sustained by eliminating top filling and rig floor spillages



SPECIFICATIONS

SELF-FILLING FLOAT (FLAPPER) GENERAL SPECIFICATION				
Material	AISI 4145-H Modified – 120 min ksi			
Connection		7½" Reg	6½" Reg	NC50
Make-up Torque	(kft-lbs)	85	51	31
Temp Rating – Standard	(C/F)	200/392		
Overall Length	(ft)	9.33	9.24	8.41
Maximum OD	(in)	9.37	8.25	7.00
Pin ID	(in)	3.00	2.81	2.81
Weight	(lbs)	1,565	1,200	860
Drift Diameter (Pre Activation)	(in)	2.30	2.30	1.92
Float Activation Dart OD	(in)	2.44	2.44	2.13
Float Activation Pressure	(psi)	700	700	800
Float Working Pressure	(psi)	7,500		
Tested Pressure	(psi)	11,500		
Tensile Capacity	(klbs)	2,300	1,650	1,250
Torsional Yield	(kft-lbs)	150	90	55
Burst Pressure	(psi)	33,000	30,750	30,200
Collapse Pressure	(psi)	27,500	26,000	25,600