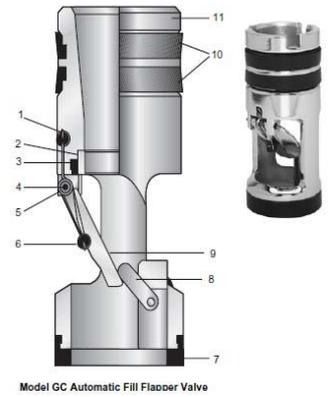


Float Valve

MODEL GC AUTOMATIC FILLFLAPPER VALVE

Product Family No. H48019

The Model GC Automatic Fill Flapper Valve uses a lowcarbon steel “automatic fill” key assembly that allows the pipe to fill from the bottom, reducing run in time by eliminating the need to fill the string from the top. When running in the hole, the automatic fill feature eliminates the “ram effect” preventing the downhole pressure surges that can cause formation damage. The valve can be run in either the closed position or the automatic fill position. The fast acting flapper valve opens when the kelly is pulled out of the hole reducing the possibility of pulling a wet string along with the associated safety hazards. Mud spill-over on the rig floor is also eliminated. These time saving features allow the Model GC to quickly pay for itself.



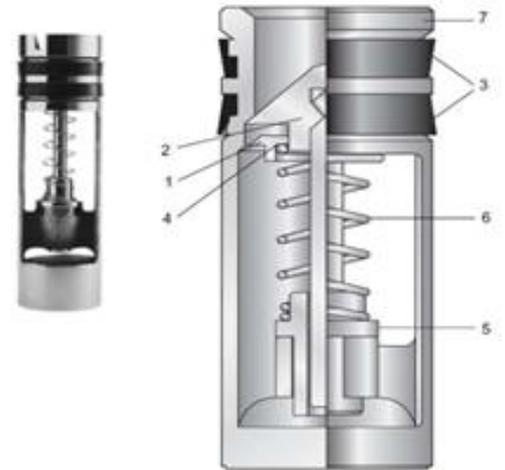
Model GC Automatic Fill Flapper Valve

Diagram Key for Model GC Automatic Fill Flapper Valve

1. Small Bumper
2. Seal Retainer
3. Seal
4. Pin
5. Spring
6. Large Bumper
7. Shock Absorber
8. Key
9. Flapper Valve
10. Side Seal
11. Cage

MODEL F PLUNGER TYPE VALVE

Product Family Nos. H48013 and H48043 (Heavy Duty) The Model F Plunger Type Valve provides positive and instantaneous shut off against high or low pressure, assuring continuous control of fluid flow during drilling. For normal drilling operations the durable Model F is the most economical choice and is available in all sizes. The “Heavy Duty” Model F Drill Pipe Float Valve is designed with a high alloy steel body that increases the lift of the Drill Pipe Float Valve. It provides high impact resistance and is dimensionally identical to the standard Baker Drill Pipe Float Valve, allowing interchangeability of the trim. This type of Drill Pipe Float Valve is recommended for use with downhole mud motors. Note: Not recommended for Air Drilling.



Model F Plunger Type Valve

Diagram Key for

Model F Plunger Type Valve

1. Valve Seal Disc
2. Plunger/Valve
3. Side Seal
4. Valve Seal
5. Guide
6. Spring
7. Cage

MODELS F AND G DRILL PIPE FLOAT VALVE DIMENSIONAL DATA

Valve Size	D Diameter of Valve	R (D + 1/32) Diameter of Recess for Valve	L Length of Valve	T* Diameter of Recess for Baffle Plate	ID of Valve	
					Model F	Model G
1R	1-21/32	1-11/16	5-7/8	1-5/16	1	N/A
1F-2R	1-29/32	1-15/16	6-1/4	1-1/2	1-1/4	1
2F-3R	2-13/32	2-7/16	6-1/2	1-29/32	1-9/16	1-1/4
3F	2-13/16	2-27/32	10	2-7/16	1-7/8	1-5/8
3-1/2 IF	3-1/8	3-5/32		2-11/16		
4R	3-15/32	3-1/2	8-5/16	2-15/16	2-5/16	1-31/32
4F	3-21/32	3-11/16	12	3-1/4	2-1/2	2-3/16
5R	3-7/8	3-29/32	9-3/4	3-3/8	2-3/4	2-1/4
5F-6R	4-25/32	4-13/16	11-3/4	4-9/32	3-1/4	2-7/8
6F	5-11/16	5-23/32	14-5/8	5-3/16	4-1/8	N/A

*Disregard if this diameter is the same or smaller than standard tool joint ID.

Note: The Dimensional Information Chart is not for Models GS and GAS Drill Pipe Float Valves.

N/A = Non-Applicable.