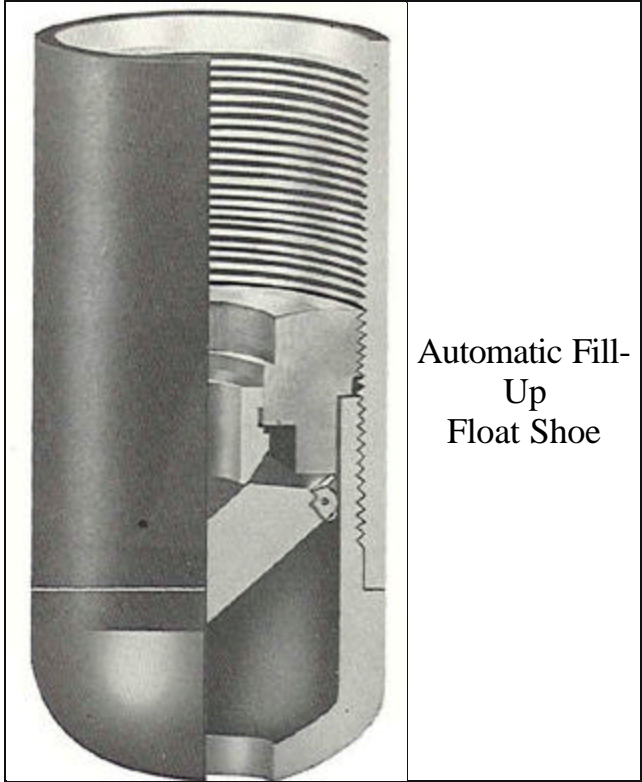




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AUTOMATIC FILL FLOAT EQUIPMENT



Industrial Rubber's Automatic Fill-Up Float Shoe is constructed of a flapper-type valve fitted with pump-out orifice held in place by shear pins.

Automatic Fillup Float Equipment

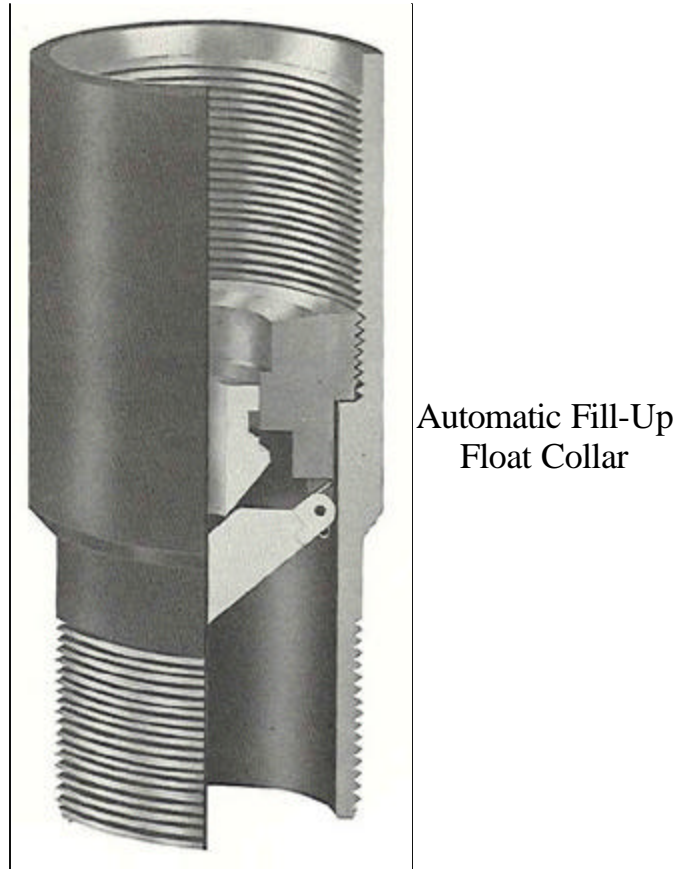
The pump-out orifice holds the flapper valve open and regulates the flow of fluids into the casing. orifice is designed to accept a tripping ball which is furnished with the tool.

*The tripping ball may be pumped to the orifice or allowed to gravitate. When the ball is seat pressure of 300 psi will **shear** the pins holding the orifice, the orifice and ball will fall down -h flapper valve will be released.*

This converts the tool to a flapper-type float shoe.

Automatic Fill-Up Float Shoe	
<i>Size</i>	<i>Part Number</i>
4 1/2"	232-0044
5 1/2"	232-0054
6 5/8"	232-0065
7"	232-0070
7 5/8"	232-0075
8 5/8"	232-0085
9 5/8"	232-0095
10 3/4"	232-0106
11 3/4"	232-0116
12 3/4"	232-0126
13 3/8"	232-0133
Larger Sizes are available upon request	
* The Metal Alloys used in this units are PDC Drillable and have Traceability.	

Automatic Fillup Float Equipment



Industrial Rubber's Automatic Fill-Up Float Collar employs the same flapper valve and pump-assembly as the Automatic Fill-Up Float Shoe.

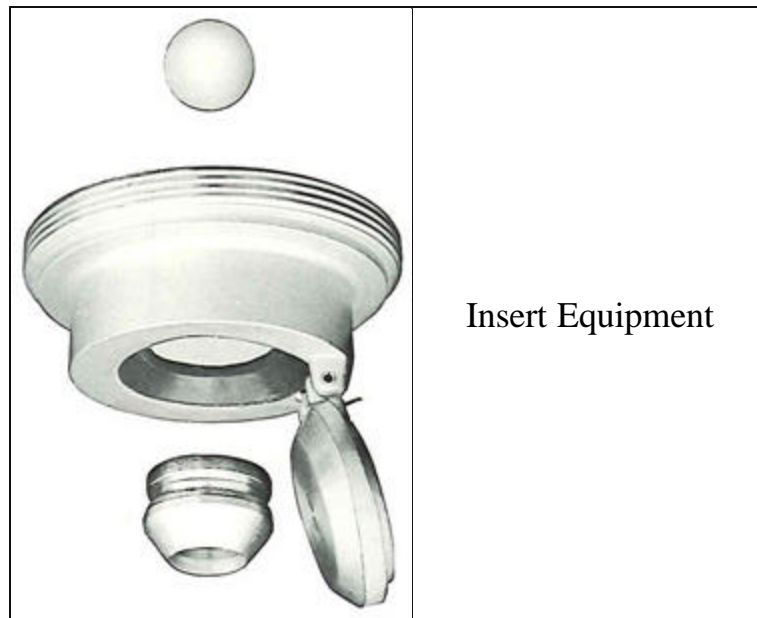
The collar has female upper threads and male lower threads for convenience in making up. They usually run one joint above the guide shoe.

It is ***important*** to use an Industrial Rubber Guide Shoe below this tool because the shoe is designed for fluid passage around the orifice after it is pumped out of the float collar.

Automatic Fill-Up Float Collar	
Size	Part Number
4 1/2"	242-0044
5 1/2"	242-0054
6 5/8"	242-0065
7"	242-0070
7 5/8"	242-0075
8 5/8"	242-0085
9 5/8"	242-0095
10 3/4"	242-0106
11 3/4"	242-0116

Automatic Fillup Float Equipment

12 3/4"	242-0126
13 3/8"	242-0133
Larger Sizes are available upon request	
* The Metal Alloys used in these units are PDC Drillable and have Traceability.	



The same flapper-type valve as used in Industrial Rubber's Flapper-Type Float Equipment is available as Insert Equipment.

The Same Flapper valve and pump-out orifice assembly as used in Industrial Rubber's Automatic Equipment is also Available as insert equipment.

This insert unit is supplied with a tripping ball which seats on the pump-out orifice. A pressure of 300 psi shears the orifice, tripping ball and orifice fall downhole and the unit becomes operational as a flapper-type valve.

Industrial Rubber's Insert Flapper Valve and Insert Automatic Fill-Up are available in the Following

Flapper Type Insert Float Valves			
Insert Flapper Valve		Automatic Fill-Up Insert Flapper Valve	
<i>Size</i>	<i>Part Number</i>	<i>Size</i>	<i>Part Number</i>
2 3/8"	231-1023		
2 7/8"	231-1027		
3 1/2"	231-1031		

Automatic Fillup Float Equipment

4 1/2"	231-1044	4 1/2"	232-1044
5 1/2"	231-1054	5 1/2"	232-1054
6 5/8"	231-1065	6 5/8"	232-1065
7"	231-1070	7"	232-1070
7 5/8"	231-1075	7 5/8"	232-1075
8 5/8"	231-1085	8 5/8"	232-1085
9 5/8"	231-1095	9 5/8"	232-1095
10 3/4"	231-1106	10 3/4"	232-1106
11 3/4"	231-1116	11 3/4"	232-1116
12 3/4"	231-1126	12 3/4"	232-1126
13 3/8"	231-1133	13 3/8"	232-1133
Larger Sizes are available upon request		Larger Sizes are available upon request	
AFU KITS are available			