

Innovex **Ball-Activated Dual-Flapper Valve Auto-Fill Float Equipment** reduces surge pressure and casing running time by allowing displaced well bore fluids to flow into the casing while running-in-hole. Running a dual auto-fill valve float collar above one or more joints of casing with a large bore guide shoe reduces the volume of cuttings and solids that can accumulate above the valves and potentially block circulation.

The long auto-fill tubes protect the flappers from debris and erosion while running-in-hole, circulating, and conversion.

With the **Type 735 | 745-FB Float Collar**, the drop ball can be released into the casing from the surface and circulated to the float collar for conversion to hold back pressure.

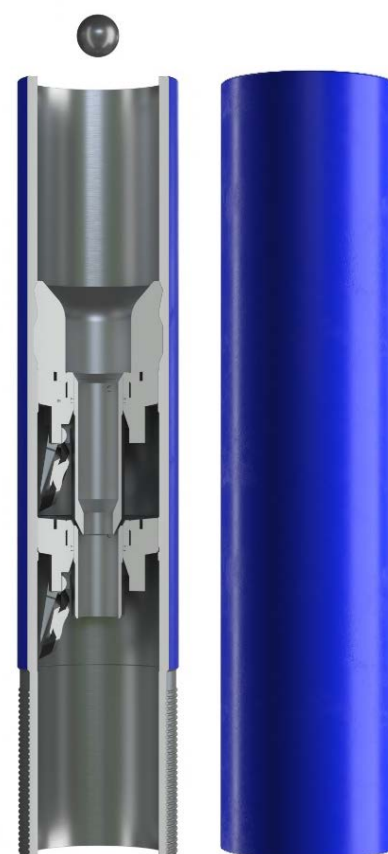
With the **Type 735 | 745-AB Float Collar**, the ball is retained within a cage above the valves for immediate conversion when circulation is started at any inclination.

Applications

- Running casing where low surge pressures are required due to weak formations
- Running casing without filling from surface while running-in-hole

Features & Customer Benefits

- Reduces surge pressure while running casing
- Reduces mud losses in weak formations
- Eliminates time lost to filling casing manually
- Dual flapper valves hold backpressure independently
- Large flow area through valve system for debris tolerance
- Provides landing surface for cementing plugs
- Type AB retained ball version converts immediately with 500-800 psi at any inclination
- Type FB drop ball version allows circulation without conversion before ball is released
- 45° ball guide on Type FB allows drop ball use in inclined wells



Casing Size (inches)	Serial Number	Valve Type	Drop Ball Size (in)	Auto-Fill Tube OD (inches)	Auto-Fill Tube Flow Area (in ²)
4-1/2 to 6-5/8	735	Small Bore Auto-Fill	1.50	1.97	1.09
7 to 13-3/8	735	Medium Bore Auto-Fill	2.00	2.49	1.94
9-5/8 to 20	745	Large Bore Auto-Fill	3.50	4.00	8.30