

# Standard Float Equipment - API RP10F IIIC



Antelope's 305 Float Shoe and 340 Float Collar utilize the proven Flow-Guard Max™ 1 (FGMax™) plunger valve for flow rates up to 10 bpm, while the 315 Float Shoe and the 350 Float Collar utilize the larger Flow-Guard Max™ 2 valve for flow rates up to 20 bpm over extended circulation periods. The FGMax™2 is available for casing sizes 8-5/8" and larger. All FGMax™ float equipment is designed and tested to API RP10F Category IIIC in a state-of-the-art flow loop facility ensuring product quality.

## 305/315 - FLOAT SHOE

The 305 and 315 Series Float Shoes feature Antelope's proven FGMax™ plunger valves, which ensure the casing can be floated to bottom and U-tubing prevented after cement displacement. The valve assembly is made from high temperature, high strength phenolic that is anchored to the float shoe body with a high strength cement that allows for easy drill-out.

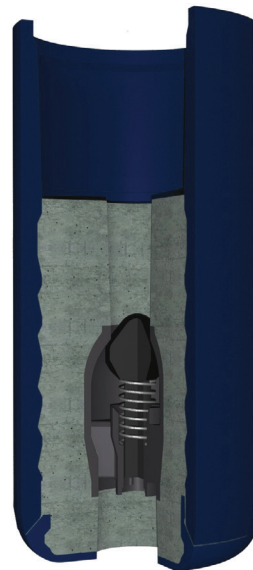
## 340/350 - FLOAT COLLAR

The 340 and 350 are used to bump cement wiper plugs and provide an additional barrier against U-tubing, allowing for contaminated cement to be trapped within the casing shoe track. Like the 305/315 Series, the 340/350 Series Float Collars utilize the FGMax™ plunger valves that are tested to API RP10F Category IIIC.

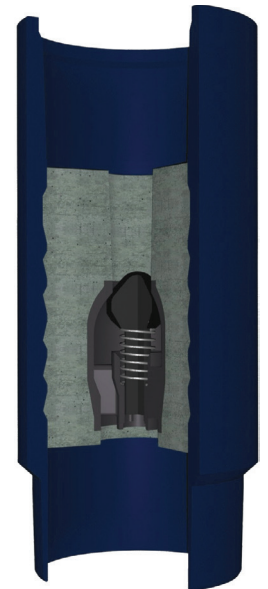
- Large flow area ensures minimal erosion of the valve from abrasion fluids and high flow rates
- Valve assembly made from high temperature, high strength phenolic material
- All phenolic dart protects against erosion
- Resilient HNBR rubber seal ensures sealing occurs through all pressures, including low differential pressure
- Optimized spring force allows dart to seat on protective retainer cup while flowing, which protects the spring from erosion, and ensures sealing even in low pressure and horizontal well conditions
- PDC and Tri-cone Bit drillable
- Round nose on float shoe assists in guiding the casing to target depth

## OPTIONS:

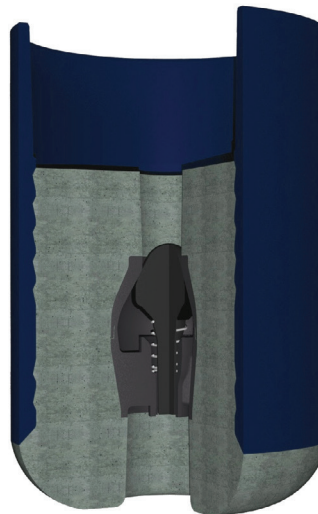
- Non-rotating - a plate is cemented in the float equipment and used with compatible wiper plugs to prevent rotation and enable faster drill out
- Float shoes can be provided with ports (up, down or side), and various types of noses to suit different applications
- Orifice - fill grooves in dart for tieback applications
- Pre-set as auto-fill
- Single or dual valve configurations
- Premium grades and premium connections available



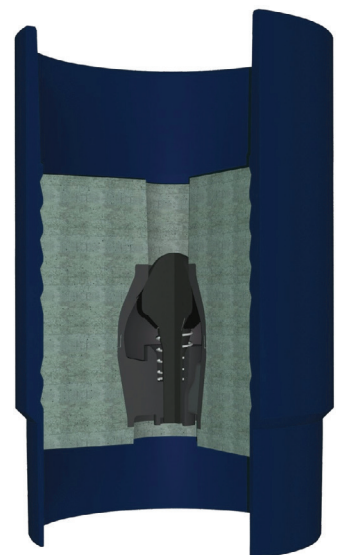
305 - Float Shoe



340 - Float Collar



315 - Float Shoe



350 - Float Collar

