

# DrawWorks AutoFill™ Double Cup Circulator



The **AutoFill™ Casing Fill-up and Circulating System** was designed by individuals who have many years of design and field service experience in the oil service industry. We are familiar with the problems associated with the need to run different size casings during one job and running flush mount joint casing with sharp edges on the ID of the connection.

The **AutoFill™ Double Cup Circulator Assembly** provides the sealing unit to seal while running a tapered string of casing. The unit allows you to fill, take flow-back, and circulate. The type of seal chosen for this purpose is a packer cup seal and it automatically seals within the casing as soon as it is inserted in the casing string. This makes circulation possible as soon as the cup seal is inserted in the casing string, eliminating any wasted time required to energize other seal types. An important feature of this unit is that the cup seal is mounted on a freely rotating sleeve that allows the casing to be rotated while the cup seal is inside the casing. This is particularly important when side door elevators are used since the cup is always in the casing. This unit is centralized and guided into the casing by gage rings that are mounted directly below the cup seals. Both gage rings are free to rotate while the casing is being made up.

## Features & Benefits

- **Packer Cups:**  
-Seals immediately upon being inserted in the casing.
- **Gage Rings:**  
-Built with lightweight, yet strong material, guides and centers the packer cup seal into the casing.
- **Back Up Packer Cup:**  
-Secondary cup for internal flush casing and on off-centered holes.



*Circulating and flow-back tools  
for casing and drill pipe*