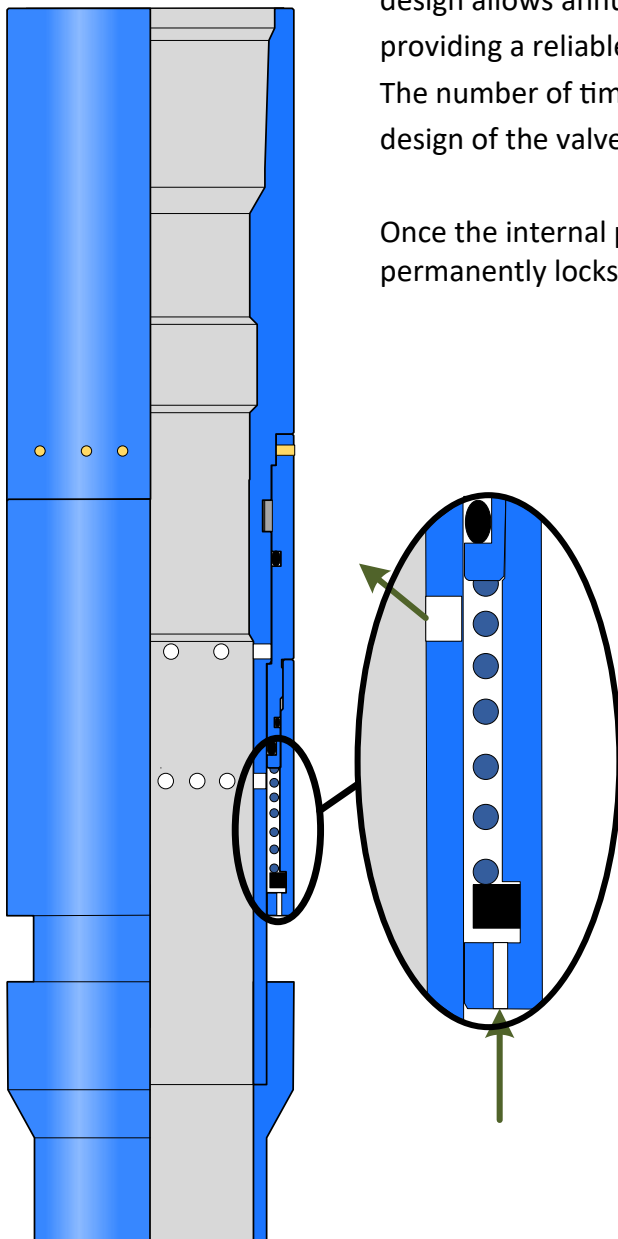


## PetroQuip Auto-Fill Sub



The **PetroQuip Pump-Out Auto-Fill Sub** provides a means of the automatic filling of the tubing while running the tubing downhole. The proprietary design allows annulus fluid to fill the tubing without plugging while providing a reliable seal when pressure is applied from the tubing side. The number of times the tubing is tested is not limited by the internal design of the valve.

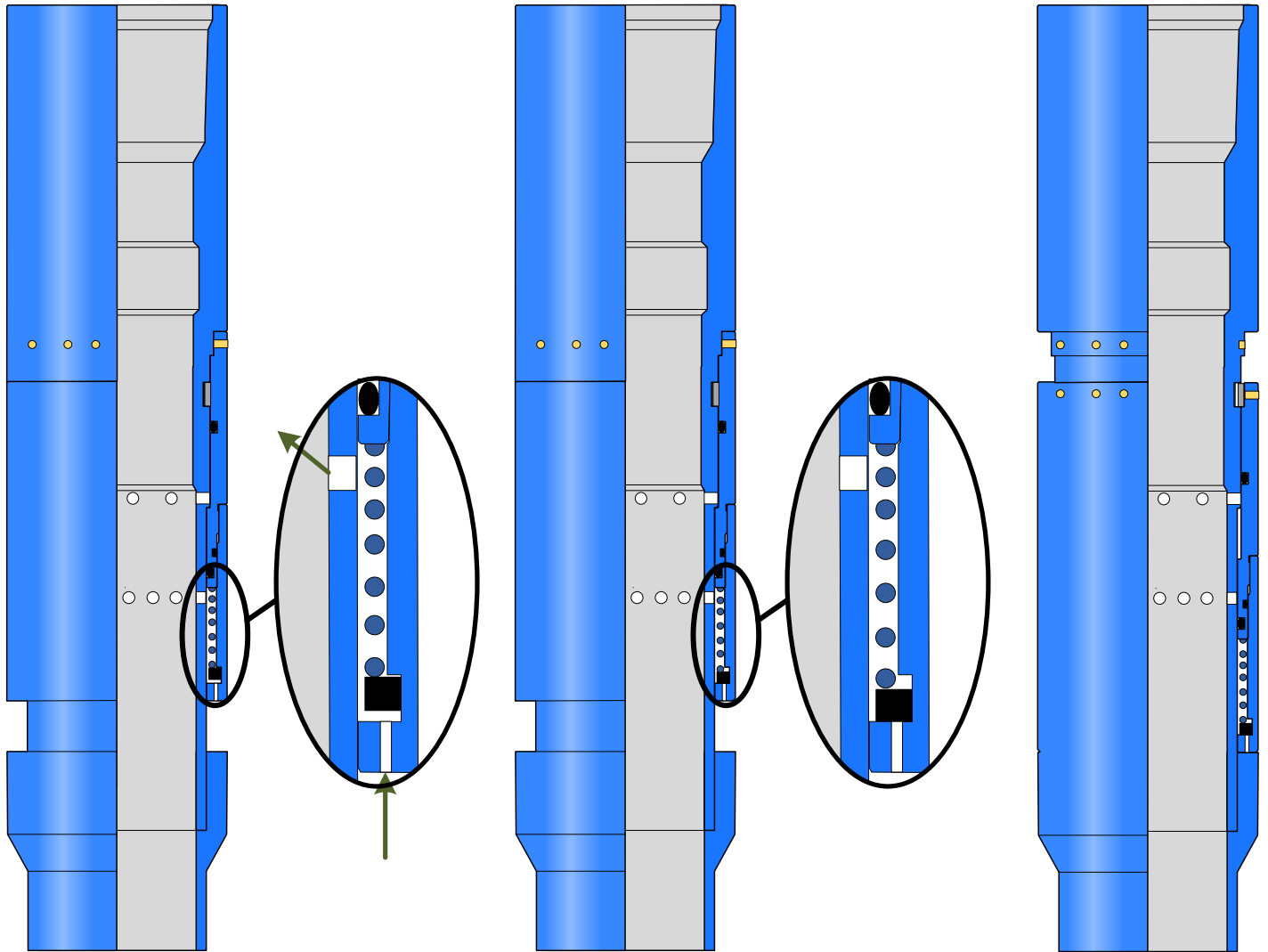
Once the internal pressure exceeds the shear value the piston closes and permanently locks out the automatic fill feature.



### Features and Benefits

- Can be ordered with multiple combinations or thread, material or lock-out shear values
- Simple innovative design provides reliability
- Prevents fluid flow from tubing to annulus
- Permanent isolation once locked out
- Activation pressure is fully customizable
- Debris resistant mechanism

Available in 3-1/2", 4-1/2", 5-1/2" and 7" sizes



**Automatic fill while running in the tubing string**

**Closed while testing tubing**

**Permanently locked out after shearing the piston**