

C-Series Circulating Plug

The C-series blanking and circulating plug assembly is used to plug formation pressure in the tubing string while providing adequate flow area for pumping into the formation.

APPLICATION

- Directional flow-control device in single or dual completions

BENEFITS

- Plug provides temporary pressure control in flowing wells.
- One-way plug provides a large flow path to allow pumping into formation while the lock and plug are in place.
- Integral equalizing feature eliminates the need to apply pressure above the plug.

FEATURES

- Dependable spring-loaded equalizing check
- Integral side dart equalizing device
- Rugged, field-proven design
- Available in various materials

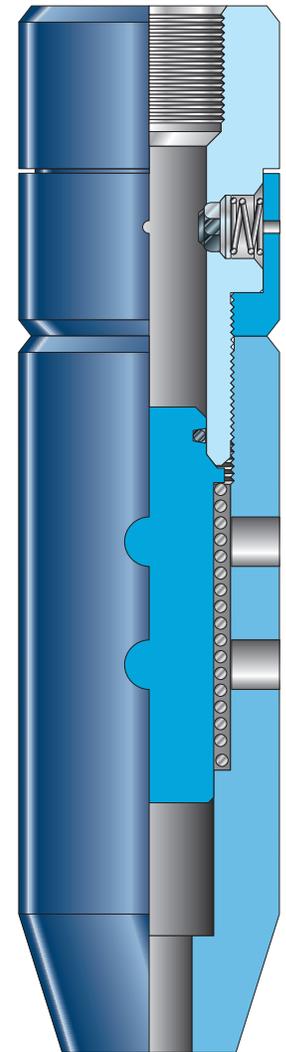
The C plug assembly includes an A-1 or C-1 equalizing sub. The C plug features a metal-to-metal double seal, as well as an O-ring for an initial gas seal.

DESCRIPTION AND OPERATION

The C plug assembly is used to plug formation pressure in the tubing string of flowing wells. At the same time, the assembly provides adequate flow area through its center for pumping into the formation. When run in combination with a lock, it is seated in an appropriate landing nipple. If the tubing string does not include a landing nipple, the C plug assembly may be run with an A slip lock.

The C or HP-C circulating plug is made up to the appropriate C-, M-, or HPC-R-series lock. A prong in the running tool is used to hold the plug off seat during installation. This assembly is run into the tubing, landed, and locked in the nipple using standard slickline methods. Upward jarring removes the running tool and prong.

When retrieving the assembly, the pulling tool and equalizing prong are run into the tubing. Upon contact, the pulling tool latches the lock fishing neck, and the prong pushes the equalizing dart off the seat, or shifts the equalizing sleeve open in the HP-C, allowing pressure equalization. Upward jarring releases the lock, and the assembly can be retrieved from the well.



C Circulating Plug

C-Series Circulating Plug Specifications

Type	Max. OD [†] (in. [mm])
C	1.406 [35.7]
HP-C	1.734 [44.0]
C	1.750 [44.5]
HP-C	1.781 [45.2]
	1.890 [48.0]
	2.000 [50.8]
	2.031 [51.6]
C	2.156 [54.8]
HP-C	2.156 [54.8]
	2.171 [55.1]
	2.281 [57.9]
	2.400 [61.0]
C	2.718 [69.0]

[†] Other sizes are available on request. Contact your local Schlumberger representative.