

# Illusion® Frac Plug

## REDUCES RISK AND COST ASSOCIATED WITH CONVENTIONAL PLUG REMOVAL

### FEATURES AND BENEFITS

- » Made from materials that dissolve over time based on temperature and salinity
- » Large ID to assist immediate flowback and well cleanup
- » Helps eliminate the risk and costs of conventional plug removal
- » Pump rates around the tool in excess of 12 BPM
- » High-performance metal plug for demanding frac stimulations (10,000 psi rating)

### OVERVIEW

The Illusion® dissolvable frac plug is the latest addition to the Halliburton Unconventional Completions portfolio. This high-performance frac plug is rated to 10,000 psi for zonal isolation during wellbore stimulation and combines Halliburton's industry-leading frac plug designs with the most advanced dissolvable metal and rubber materials. The large bore ID allows operators to produce through the plug while it remains in the wellbore and begins the dissolution process immediately following fracturing.

This fully dissolvable plug helps eliminate the risk and cost associated with conventional plug removal and upon complete dissolution, provides an entire wellbore ID for future operations. By combining Illusion dissolvable frac plugs and RapidBall™ self-removing ball technology, Halliburton helps ensure that production is never delayed.

The Illusion frac plug not only helps alleviate the cost and time of plug mill-out operations, but it also helps remove the risk associated with coiled tubing. Fewer operational steps are required to get a well onto production, reducing rig time as well as personnel and equipment on the rig site, and decreasing the potential for safety and wellbore issues. Since no intervention is required to clean the wellbore after the frac, production may be brought on sooner to improve the net present value (NPV) of the asset.

The Illusion frac plug is a compact design that aids in pumpdown efficiencies as well as allow faster run-in-hole line speeds while setting the tools on wireline. Higher pump rates and increased wireline feed rates allow the operator to deploy Illusion plugs on depth faster and more efficiently.

Illusion dissolvable frac plugs also provide a solution for extended reach horizontal wellbores where tubing weight can be an issue for milling out conventional frac plugs. Since these plugs dissolve away, they can be set in the toe of the wellbore without the need for coiled tubing removal.

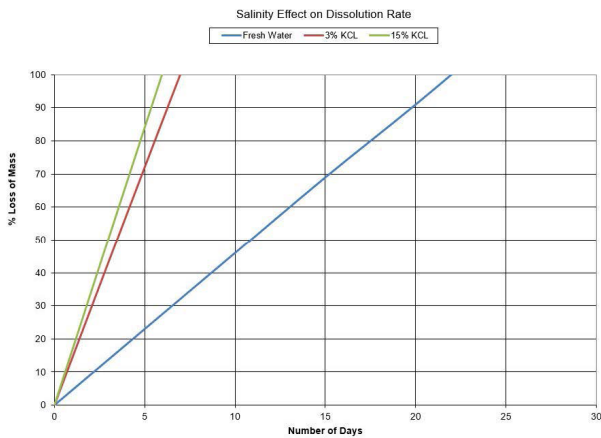
Illusion frac plugs are based on Halliburton's current line of composite plugs, thus no field operation changes or special instructions are needed to successfully run and set these plugs. A simple adapter kit connects the Illusion frac plug to the most commonly used setting tools run today.


HAL40564

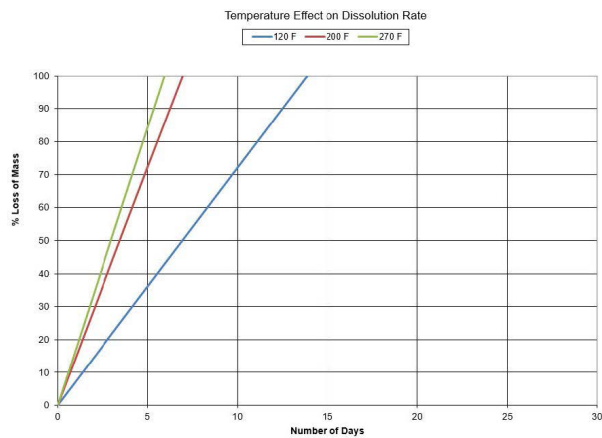
### Illusion® Frac Plug Specifications

Casing Size in. (cm)	Max Casing ID in. (cm)	Min Casing ID in. (cm)	Max Tool OD in. (cm)	Tool Length in. (cm)	Pressure Rating psi (MPa)
4-1/2 (11.43)	3.920 (9.96)	3.826 (9.72)	3.54 (8.99)	14.41 (36.60)	10,000 (68.95)
4-1/2 (11.43)	4.044 (10.27)	3.920 (9.96)	3.68 (9.35)	14.17 (35.99)	10,000 (68.95)
5 (12.70)	4.276 (10.86)	4.126 (10.48)	3.85 (9.78)	13.84 (35.15)	10,000 (68.95)
5-1/2 (13.97)	4.670 (11.86)	4.376 (11.12)	4.15 (10.54)	14.56 (36.98)	10,000 (68.95)
5-1/2 (13.97)	4.892 (12.43)	4.670 (11.86)	4.37 (11.10)	14.70 (37.34)	10,000 (68.95)

### Environments That Affect Dissolvability Rate



Temperature at 200 F



3% KCL

Note that these charts are for reference only and based on test data. Actual dissolution may vary depending on fluid chemistry and other environmental factors.

For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

H011251 08/21 © 2021 Halliburton. All Rights Reserved.