

ReacXion Complete

Fully dissolvable frac plug



Rated to 10,000 psi
[69 MPa]



Rated to 300 degF
[149 degC]

APPLICATIONS

- Multistage plug-and-perf operations
- Isolation for refracturing operations

BENEFITS

- Saves time and reduces costs during multistage stimulation because the
 - large plug ID enables immediate production
 - dissolvable plug body and balls deliver fullbore production without milling
- Improves sealing integrity as increasing pressure on the ball reinforces the seal

FEATURES

- Balls constructed using ELEMENTAL* degradable technology
- Proprietary coating that enables plug placement several hours before seating the ball
- Dissolvable using industry standard chloride solution
- Small footprint
- Antipreset design that eliminates risk of presetting while pumping into the well
- Tapered entry and exit for easy reentry

The ReacXion Complete* fully dissolvable frac plug enables immediate production and subsequently dissolves to deliver fullbore production without milling.

Conveyed in conventional pumpdown operations, the plug can be set with industry-standard setting tools. A proprietary coating protects the plug and prevents early dissolution, enabling plug placement in the well several hours before isolation is required. To complete the isolation, a dissolvable ball is pumped down to the integral ball seat before fracturing begins.

Accelerated dissolution opens the full bore

The design maximizes the ID of the tool, and the ball dissolves rapidly to enable immediate production through the large bore after stimulation is complete. Subsequently, the plug dissolves under downhole conditions.

Load transfer technology improves seal

The design uses the casing as a supporting member, transferring the load from the ball to the ball seat, through the slips, and onto the casing. Pressure exerted on the ball during stimulation continues to reinforce the integrity of the plug's seal, forming a tighter seal as pressure is increased.



ReacXion Complete fully dissolvable frac plug delivers fullbore production without milling.

ReacXion Complete

ReacXion Complete Fully Dissolvable Frac Plug Specifications

5.5-in plug

Casing size, in [mm]	5.5 [140]	5.5 [140]	5.5 [140]	5.5 [140]
Casing weight, lbm/ft [kg/m]	17 [25.3]	20 [29.7]	23 [34.2]	26 [38.6]
Running OD, in [mm]	4.64 [118]	4.52 [115]	4.375 [111]	4.27 [108]
Min. ID, in [mm]	2.675 [68]	2.675 [68]	2.675 [68]	2.675 [68]
Ball size, in [mm]	3.75 [95]	3.75 [95]	3.75 [95]	3.75 [95]
Length, in [mm]	8 [203]	8 [203]	8 [203]	8 [203]
Differential pressure rating, psi [MPa]	10,000 [69]	10,000 [69]	10,000 [69]	10,000 [69]
Temperature rating, degF [degC]	300 [149]	300 [149]	300 [149]	300 [149]

5-in plug

Casing size, in [mm]	5 [127]	5 [127]		
Casing weight, lbm/ft [kg/m]	21.4 [31.8]	18 [26.8]		
Running OD, in [mm]	3.89 [99]	4.02 [102]		
Min. ID, in [mm]	1.93 [49]	1.93 [49]		
Ball size, in [mm]	2.75 [70]	2.75 [70]		
Length, in [mm]	6 [152]	6 [152]		
Differential pressure rating, psi [MPa]	10,000 [69]	10,000 [69]		
Temperature rating, degF [degC]	300 [149]	300 [149]		

4.5-in plug

Casing size, in [mm]	4.5 [114.3]	4.5 [114.3]	4.5 [114.3]	
Casing weight, lbm/ft [kg/m]	15.1 [22.4]	13.5 [20]	11.6 [17.3]	
Running OD, in [mm]	3.58 [91]	3.67 [93]	3.74 [95]	
Min. ID, in [mm]	1.93 [49]	1.93 [49]	1.93 [49]	
Ball size, in [mm]	2.75 [70]	2.75 [70]	2.75 [70]	
Length, in [mm]	6 [152]	6 [152]	6 [152]	
Differential pressure rating, psi [MPa]	10,000 [69]	10,000 [69]	10,000 [69]	
Temperature rating, degF [degC]	300 [149]	300 [149]	300 [149]	

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