



ISP™ Inflatable Straddle Packer Assembly

Openhole or Cased-Hole Multiset Packer Assembly

Weatherford's *ISP* inflatable straddle packer assembly (type M2) is designed to isolate specific zones in open or cased-and-perforated holes in horizontal or deviated wells for selective treating, testing, or production evaluation. The M2 assembly consists of dual inflatable packers, deployed on coiled tubing or threaded pipe, and can be set multiple times per run to cost effectively evaluate multiple zones or different segments of a specific zone.

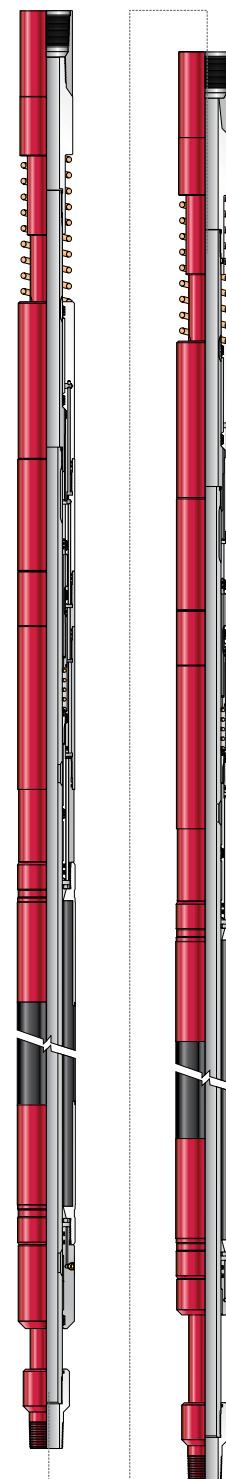
The M2 assembly is operated by axial movement of the work string and applied surface pressure. Work-string rotation is not required to activate any tool function. The minimum space out between inflatable sealing elements is 3 ft (1 m). This distance can be adjusted according to specific well requirements. In addition, memory gauges can be placed above the top element, between the elements, and below the lower element to record all pressure and temperature fluctuations while the M2 assembly is in the well.

Applications

- Stimulation of multiple zones in one run
- Testing of multiple intervals in one run
- Short-term production testing of selected zones

Features, Advantages and Benefits

- Separate sealing elements enable adjustment of space out between elements, easily accommodating customer-specific well requirements.
- Memory gauges located above, between, or below the elements enable pressure and temperature recordings, providing zone-specific data.
- Only axial work-string movement is required to equalize and deflate the tool for retrieval, enabling the M2 assembly to be run on coiled tubing and conventional threaded pipe.
- The M2 assembly can be run in horizontal or deviated wells and open or cased holes, providing application flexibility.
- Elements are manufactured with application-specific elastomers, providing resistance to high temperatures, corrosive fluids, and gases.





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Specifications

Tool body maximum OD (in./mm)	4.31 109.47	
Tool minimum ID (in./mm)	1.90 46.26	
Inflatable element maximum OD (in./mm)	4.25 108.00	5.50 139.70
Length of each element (in./mm)	66.00 1,676.40	
Element minimum space out (in./mm)	3.30 83.82	
Overall length per assembly (ft/m)	11.25 3.43	
Overall length, complete assembly (ft/m)	25.80 7.86	
Connections (in.)	2-3/8 or 2-7/8 (EUE 8rd box up)	

Options

- Weatherford offers a full complement of accessory tools to use with the M2 assembly, including the fluid-control valves, plugs, darts, and space-out assemblies.
- Sealing elements are available for standard service (275°F/135°C) and severe service (375°F/190°C).