



GENERAL PRODUCT SHEET

TAM-J – Multiple Set Inflatable Packer System

PRODUCT DESCRIPTION:

TAM-J is an inflatable packer that utilizes TAM's field-proven, multiple set setting mechanism. The tool is able to perform multiple inflate/deflate cycles in one run, allowing a wide array of applications. Depending on the configuration of the tool, it can be run on a variety of work strings in vertical, deviated, or horizontal wellbores, and set in cased or open hole conditions ranging in diameter from 2.38 in. to 30 in. (60 mm to 762 mm).

The tool is operated by generating differential pressure inside of the work string to inflate the packer. A variety of inflating mechanisms are available, some of which would not require circulating a ball to seat in order to generate differential pressure. Once the packer is fully inflated and locked set, fluid can be flowed through the ID of the tool to test or stimulate the zone below the packer. Accessories can be run with the tool to retain certain fluids in the work string while running in hole, such as acid or fracturing fluid.

PROVIDE SOLUTIONS FOR:

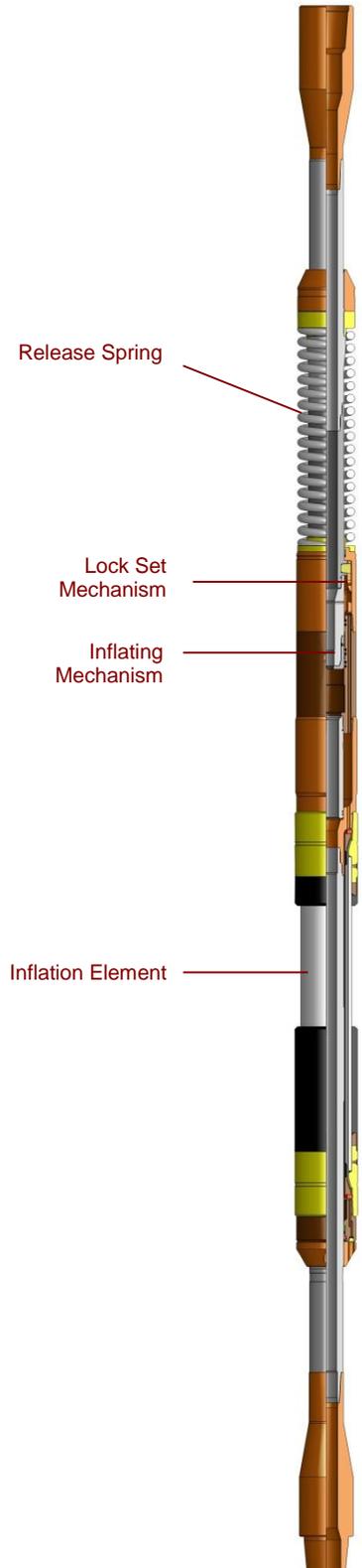
- Selective multi-interval stimulation or testing
- Cement squeeze
- Mechanical integrity testing
- Spot cement plug

FEATURES:

- Multiple set capability, including setting within open perforations
- Two types of lock set mechanisms available: quarter turn at the tool or straight set down weight
- Can be converted to a multiple set straddle packer system
- The standard configuration is rated for a maximum working pressure of 4000 psi and maximum working temperature of 250°F (121°C)
- A wide selection of elements accommodates a broad array of well conditions and hole sizes
- Can be deployed on jointed tubing or coiled tubing

BENEFITS:

- Allows treatment of several zones in one trip
- Able to accommodate a broad array of well conditions and hole sizes
- Allows multiple zonal isolation between upper and lower packers as a straddle packer system
- Design allows use of all TAM element type to satisfy a wide range of applications



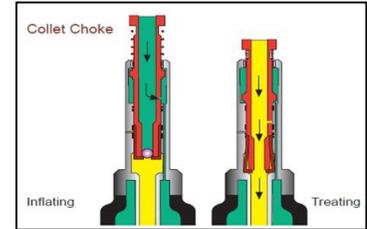


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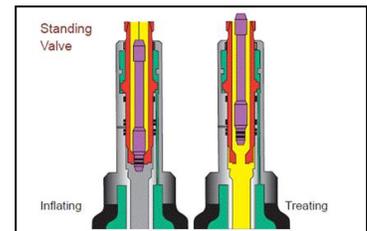
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SETTING MECHANISM OPTIONS:

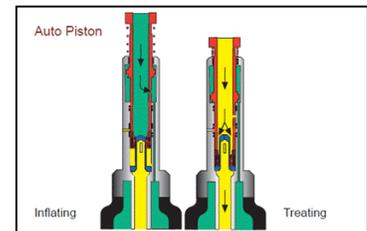
The Collet Choke Kit mechanism allows multiple sets by circulating a ball to its seat for each inflation cycle. It provides the largest flow capacity of any of the setting mechanisms. The setting ball seals inside the honed ID of the control tube extension and is held there by means of the fingers of the collet. The normal downward movement of the control tube allows the collet to open as it enters an undercut area in the control tube. This opening action then allows the ball to pass through the control tube, opening a flow path.



The Standing Valve Kit is used for special testing programs, such as hydraulic fracturing stress testing, when it is important to protect the target formation from pressure (e.g., shearing the setting ball) prior to the test. After the packers are inflated and pressure in the work string has been released, the valve is lifted by wireline, opening through the mandrel. This option can be added to the bottom of a pressure gauge, with a port through a standing valve for surface readout of pressure and temperature gauge data. This technique improves the quality of information and reduces rig time during well testing.



The Auto Piston Kit mechanism requires no balls. The tool is always in either the inflating or the treating position. This mechanism is designed for multi-set operations. It is particularly reliable in horizontal applications as there is no requirement to place a ball onto a seat. This option eliminates the force loading of the inflating pressure versus ball seat area.



TOOL SIZES:

Nominal Tool OD		Element OD		Top Connection
in.	mm	in.	mm	(in.)
1.69	43	1.69 - 2.13	43 - 54	1.315 NU
2.13	54	2.13	54	1.315 NU
2.63	67	2.63 - 4.25	67 - 108	1.900 EU
3.06	78	3.06 - 4.25	78 - 108	2.375 EU
3.44	87	3.44 - 4.25	87 - 108	2.375 EU
4.25	108	4.25 - 14.50	108 - 369	2.375 EU
5.50	140	5.50 - 7.38	140 - 187	2.875 EU
7.00	178	7.00 - 15.10	178 - 384	4.5 IF