



Manufacturer of Inflatable Packers, Flow Control Valves, Pitless Units and other products for investigating, controlling and producing the EARTH'S FLUIDS.™

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SPECIFICATION SHEET:

Fracker™ Model FR-4.9

Sliding-Head Type Packer (USA Pat. No. 4,455,027)

Dimensions and Confined/Unconfined Test Pressures:

Uninflated O.D., max.	4.9"	124 mm
Largest recommended hole size	7.0"	178 mm
Approximate mandrel pipe O.D.	2"	51 mm
Approximate mandrel pipe I.D.	1.25"	32 mm
Uninflated element length, min.	45"	1,143 mm
Tested unconfined to	3,000 psi	207 bar
Tested confined in a 6" I.D. pipe to	4,000 psi	276 bar

Differential Pressure Rating (DPR): in single packer applications, for specific hole sizes

Inside diameter of casing or borehole		Pressure to stretch rubber element		Maximum borehole differential pressure rating		Maximum inflation pressure over the packer submergence	
inches	mm	psi	bar	psi	bar	psi	bar
5.5	140	50	3	3,200	221	4,000	276
6.0	152	75	5	3,000	207	3,600	248
6.25	159	90	6	2,800	193	3,300	227
6.5	165	115	8	2,600	179	3,100	214
7.0	178	280	19	2,000	138	2,600	179

Please call factory for DPR in straddle packer applications.

Construction and Materials:

Element	Construction	Fully-reinforced (reinforcing the entire length of element)
	Materials	Aramid reinforced natural rubber, with outer covering of natural rubber
	Connection to ends	14" (356 mm) high strength steel Continuous Crimp Collar
Heads	Top	Stainless steel, with 1/4" (6 mm) NPT inflation ports
	Bottom	Stainless steel, with Dirt Wiper™ and 1/4" (6 mm) NPT inflation port
Mandrel	Pipe	2.375" (60 mm) O.D., 3/8" (9 mm) wall
	Material	high strength steel tubing, high phosphate electro-less nickel plated
	Connection	API 2.375" (60 mm) non-upset tubing thread, 10 round pattern, top and bottom

Accessories:

Replacement Element	Model FRE-4.9	the replacement element for our Fracker™ FR-4.9
Frac pipe, high strength	supplied in 10' lengths	2" nominal, used to connect straddle packers

Shipping Data:

Approx. net weight	180 lbs.	80 kg
Approx. net length	95"	2,400 mm

Pricing and Terms:

Please call for pricing, FOB Denver factory and valid for 60 days.
Our terms are prepay (wire transfer, Visa, MasterCard, or certified check).
Company checks require approximately two (2) weeks to clear.