



**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-5.5**

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

**Dimensions and Confined/Unconfined Test Pressures:**

Uninflated O.D., max.	5.5"	140 mm
Largest recommended hole size	8.0"	203 mm
Mandrel pipe size, nominal	2"	51 mm
Approximate mandrel pipe I.D.	1.60"	41 mm
Uninflated element length, min.	45"	1,143 mm
Tested unconfined to	3,000 psi	207 bar
Tested confined in a 7" I.D. pipe to	4,500 psi	310 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	
<u>inches</u>	<u>mm</u>	<u>psi</u>	<u>bar</u>	<u>psi</u>	<u>bar</u>	<u>psi</u>	<u>bar</u>
6.0	152	50	3	4,500	310	5,100	351
6.5	165	75	5	4,000	276	4,600	317
7.0	178	90	6	3,200	221	3,800	262
7.5	191	115	8	2,800	193	3,400	234
8.0	203	280	19	2,200	152	2,900	200

Please call factory for DPR in straddle packer applications.

**Construction and Materials:**

Element	Construction	Fully-reinforced (reinforcing the entire length of element)
	Materials	Kevlar (DuPont) 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 3/8" (9 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-5.5	the replacement element for our Fracker™ FR-5.5
Frac pipe, high strength	supplied in 10' lengths	2" nominal, used to connect straddle packers

**Shipping Data:**

Approx. net weight	220 lbs.	100 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.