



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-7.1

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

Dimensions and Confined/Unconfined Test Pressures:

Uninflated O.D., max.	7.1"	180 mm
Largest recommended hole size	10.0"	254 mm
Mandrel pipe size, nominal	3"	76 mm
Actual mandrel pipe I.D.	2.0"	51 mm
Uninflated element length, min.	50"	1,270 mm
Tested unconfined to	3,000 psi	207 bar
Tested confined in a 8.5" 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 (DPR)		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>
7.5	191	35	2.4	4,300	296	5,500	379
8.0	203	50	3.4	3,900	269	5,100	352
9.0	229	75	5.2	3,300	228	4,100	283
10.0	254	140	9.7	2,900	200	3,500	241

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	18" (457 mm) high strength steel Continuous Crimp Collar
Heads	Top	400 Series 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	3.5" (89 mm) O.D., 3/4" (19 mm) wall
	Material	high strength steel tubing, nickel plated
	Connection	API 3.5" (89 mm) Non-upset tubing thread, 10-round pattern, top and bottom

Accessories:

Replacement Element	Model FRE-7.1	the replacement element for our Fracker™ FR-7.1
Frac pipe, high strength	supplied in 10' lengths	3-1/2" nominal, used to connect straddle packers

Shipping Data:

Approx. net weight	400 lbs.	180 kg
Approx. net length	134"x12"x20"	3.4 x 0.3 x 0.5m

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.