
MultiStim Fracture Isolation System

MultiStim Retriev-a-Seat Frac Valve

- Retrievable ball seat and sleeve design (*patent pending*)
- Full bore drift diameter after seat retrieval
- Selective isolation
- Selective refracturing

The Retriev-a-Seat (RAS) Frac Valve is unique to the industry by eliminating the need for ball flow back, ball seat drill out and the associated costs and debris potential. This is accomplished with a retrievable ball and seat design. All balls and seats of the MultiStim Fracture Isolation System liner are retrieved in a single trip on either coiled tubing or threaded pipe.

Patent Pending Retrievable Ball Seat and Sleeve Design

Once the balls and ball seats have been retrieved, a full bore inside diameter remains to enable full gauge access into the liner, enabling remedial or re-stimulation applications with conventional tools.

Design and Manufacturing Standards

The MultiStim Retriev-a-Seat Frac Valve and MultiStim Fracture Isolation System components are designed and manufactured to API Q1 standards at our certified manufacturing facility.



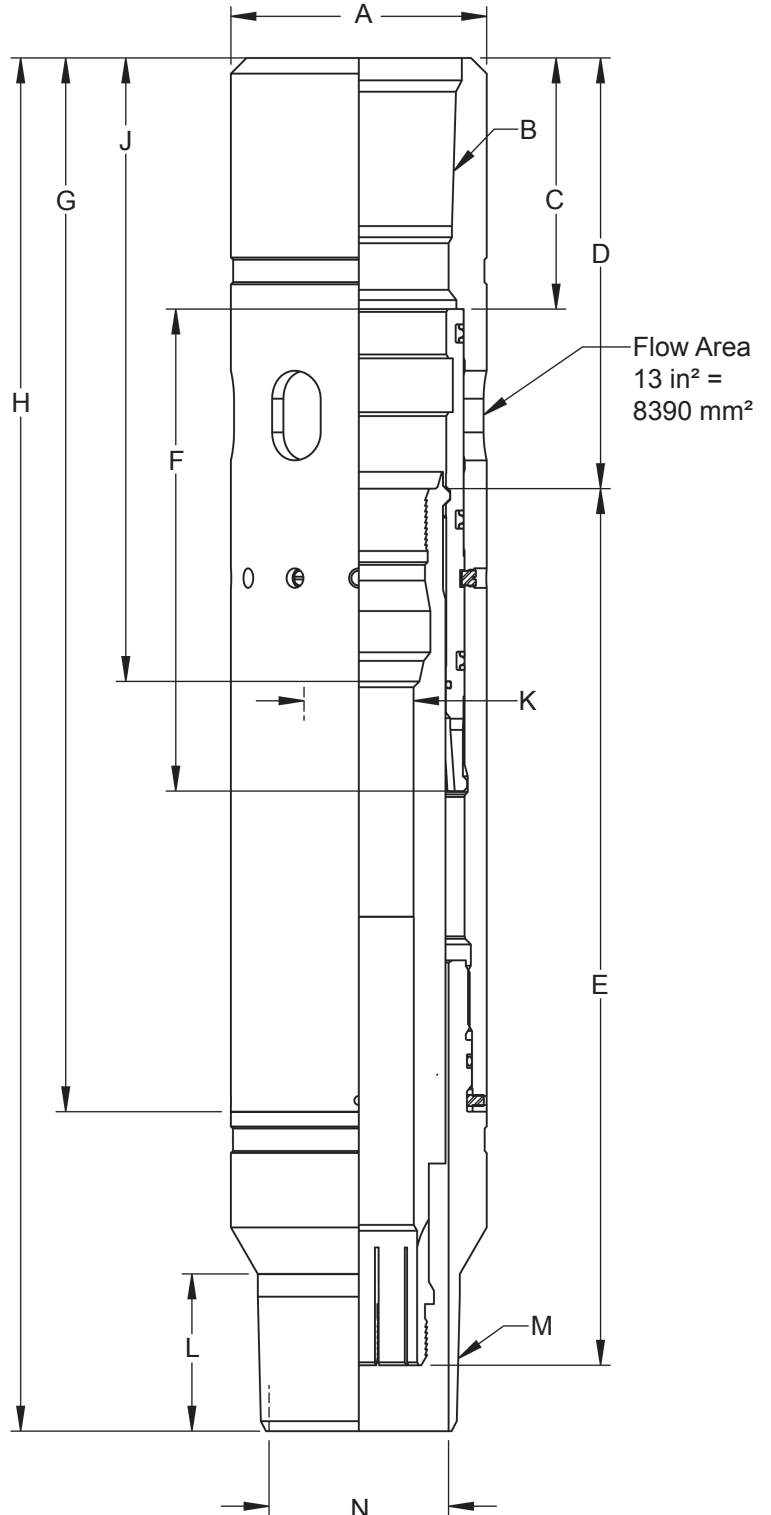
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Dim.	(in)	(mm)
A	5.70	144.78
B	4.500 8RL	
C (open)	9.40	238.80
C (closed)	5.60	137.20
D	9.60	243.80
E	19.60	497.80
F	10.80	274.30
G	23.50	596.90
H	30.60	777.20
J	13.90	353.10
K	0.84 to 2.44 ¹	21.34 to 61.98 ²
L	3.50	88.90
M	4.500 8RL	
N	4.00	101.60

¹ 0.10 increments

² 2.54 increments

Rating	Tool Ratings	
	Value	
Burst	10,690 psi	73,700 kPa
Collapse	5,680 psi	39,160 kPa
Tensile (Exterior)	279,000 lbs	124,100 daN
Tensile (Retrieval)	118,900 lbs	52,800 daN
Activation Pressure	1,655 – 1,835 psi	11,410 – 12,650 kPa
Shear Force to Retrieve	10,000 lbs	4,450 daN



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