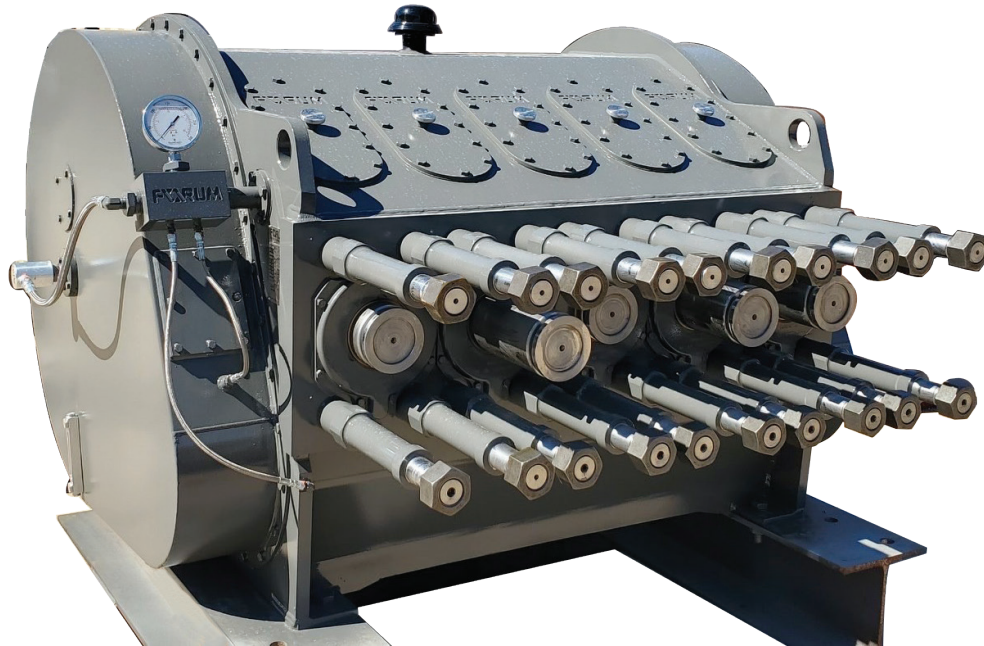


J2500 Power End

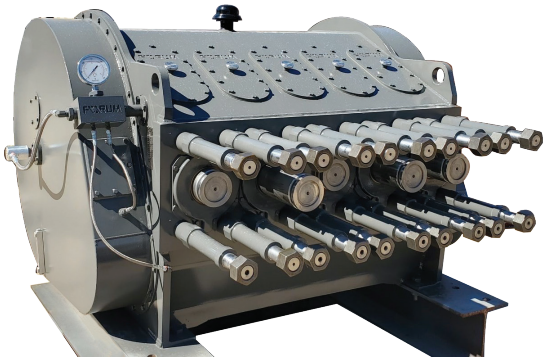
With over 3,500,000 accumulated pumping hours, Forum's J-Series provides operators with the industry's most reliable power ends. Offering an unparalleled two-year frame warranty, customers rely on Forum's J-Series power end to deliver consistent and proven performance in the field. From the frame to the components, every J-series power end is built to handle the industry's toughest challenges.



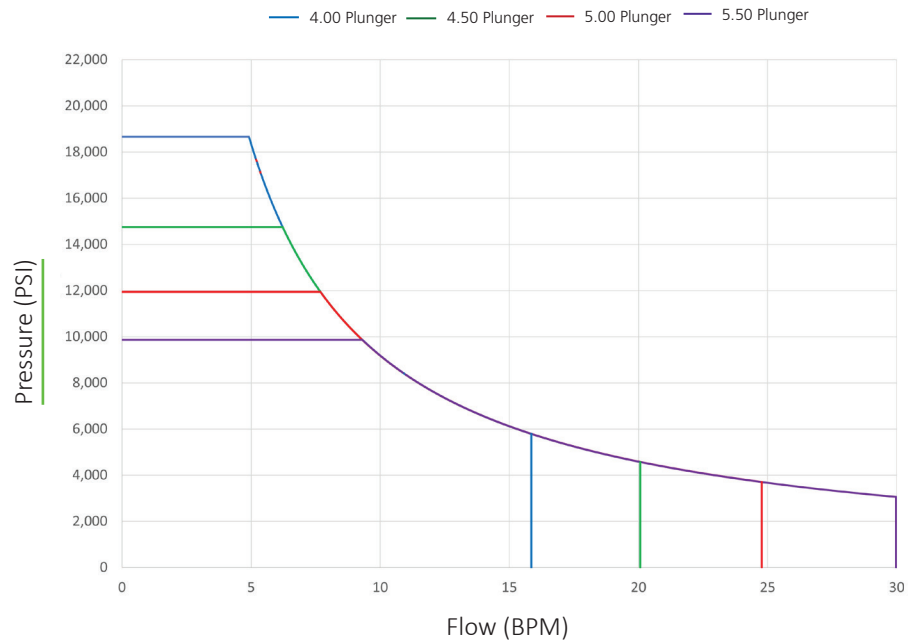
Design Features

Benefits

Patented Figure 8 Frame Design	Enhanced Pinion Bearing Housing Support, Allowing Optimal Force Distribution Back Into the Frame
Oversized Spherical Roller Bearing	Superior Axial Loading Support Extends Overall Life
Direct Bearing Lubrication	Optimal Lube Film Hydrodynamics Increases Bearing Life
Floating Crank and Direct Lubrication to Crank Thrust Bearing	Superior Pump Timing Control with Improved Gear Mesh Longevity
Two-Piece Connecting Rod	Minimizes Operating Cost
Pinion Bearing Housing	Prevents Wear being Transferred to the Frame
Removable Lube Pipe	Reduces Stresses on the Frame and Increases Ease of Cleaning



J2500 Performance Chart



Specifications

- Rod Load: 235,000 lbs.
- Maximum Input: 2,500 BHP
- Maximum RPM (Input/Output): 1950 / 307
- Stroke Length: 8"
- Power End Weight: 12,600 lbs.
- Complete Pump Weight: 17,200 lbs.
- Distance Between Centers: 10"
- Gear Ratio: 6.353:1

J2500 Performance Table

Plunger Diameter		Inches	4.0	4.5	5.0	5.5	Rod Load	Input Power
Displacement per Revolution		Barrels	.05	.07	.08	.10	LBF	BHP
Flow Rate at Crankshaft RPM	95	BPM	4.92	6.23	7.69	9.31	235,000	2,500
		PSI	18,656	14,740	11,940	9,867		
	100	BPM	5.18	6.56	8.10	9.80	222,713	2500
		PSI	17,723	14,003	11,343	9,374		
	150	BPM	7.77	9.84	12.14	14.69	148,475	2,500
		PSI	11,815	9,336	7,562	6,249		
	200	BPM	10.36	13.11	16.19	19.59	111,356	2,500
		PSI	8,861	7,002	5,671	4,687		
	250	BPM	12.95	16.39	20.24	24.49	89,085	2,500
		PSI	7,089	5,601	4,537	3,750		
	300	BPM	15.54	19.67	24.29	29.39	74,238	2,500
		PSI	5,908	4,668	3,781	3,125		

Note: Values in this table were calculated based on 90% mechanical efficiency. Before using these tables or values contact Forum engineering to ensure the values are valid and up to date Properties can be changed significantly by small changes in design to handle different rod loads, and these changes occur semi-frequently. Engineering needs to sign off on any document that contains any reference to values derived from these tables for this reason.