



## SF-902S ENGINE DYNAMOMETER

### HEADLINE

The SF-902S engine dyno houses a new absorber designed for high RPM and maximum durability. It's rated for 15,000 RPM, 1,500 HP and 1,200 lb.-ft of torque. PTFE teflon water seals and high speed ABEC 7 bearings allow the new absorber to run at high RPM for extended testing periods without issue.

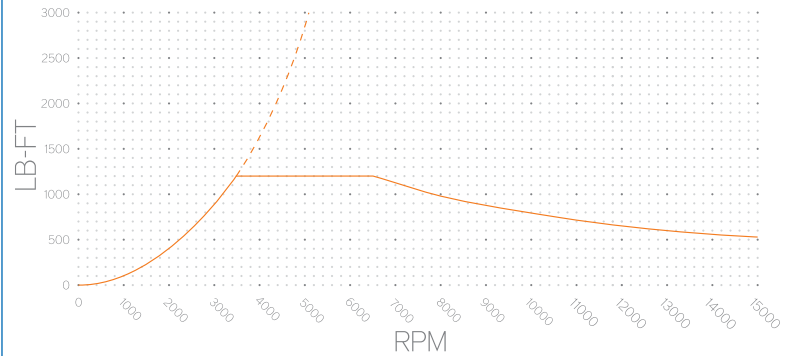
The new stainless steel trunnion and backing plate provide a 75% increase in resistance to cavitations compared to previous aluminum bronze components. In addition to the new water seals, high speed bearings and stainless steel components the new absorber in the SF-902S dynamometer includes a hall effect speed sensor for greatly improved low speed RPM measurement.



## FEATURES

- Complete engine testing system includes dynamometer stand, docking cart, operator station & console, sensor box, engine cooling column, computer, WinDyn software, monitors and printer
- Automated tests for simple operation and extreme repeatability
- Test a wide range of engine sizes – 20 to 1,500 plus hp with SuperFlow’s unique capacity valve system
- Low inertia absorber design for fastest response to changing demands
- Docking cart system for rapid engine changes
- Control console to manage test, engine and test cell equipment all from the operator station
- Boom system to mount sensor box, manage sensor cables and hold the cooling column neatly in the test cell
- 139 data acquisition channels – user configurable to meet any application
- Modular sensor box with expansion panel system to easily add sensors over the life of the dyno

### SF-902S DYNAMOMETER TORQUE CAPACITY



## Product Specifications

ABSORBER TYPE	WATER BRAKE POWER ABSORBER WITH TEFLON WATER SEALS, HIGH SPEED BEARINGS, STAINLESS TRUNNION AND BACKING PLATE – LOW INERTIA DESIGN FOR PRECISE CONTROL
MAXIMUM SPEED	15,000 RPM
HORSEPOWER CAPACITY	20 – 1,500 + HP
TORQUE CAPACITY	5 – 1,200 + LB.FT
TEMPERATURE MEASUREMENT	12 TEMPERATURE SENSORS FOR EGT, OIL, WATER, ETC. (ADDITIONAL SENSOR AVAILABLE)
PRESSURE MEASUREMENT	3 PRESSURE SENSORS FOR OIL, MANIFOLD/BOOST, FUEL, ETC.
FUEL FLOW MEASUREMENT	2 FUEL FLOW SENSORS RATED FOR 8-80 GAL/HR (OTHER RANGES AVAILABLE)
AIR FLOW MEASUREMENT	1 AIR FLOW SENSOR (20-1,200 CFM) (OTHER SIZES AVAILABLE)
AIR / FUEL (LAMBDA) MEASUREMENT	2 – 12 CHANNEL SYSTEMS AVAILABLE – CALL FOR DETAILS