

Introducing the

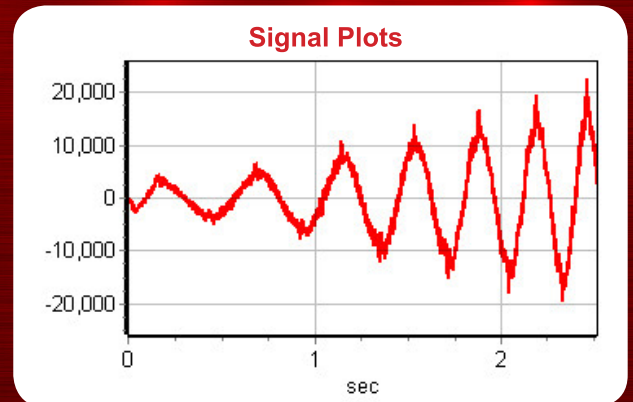
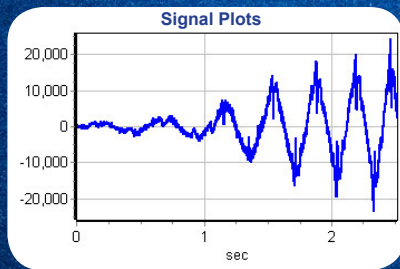
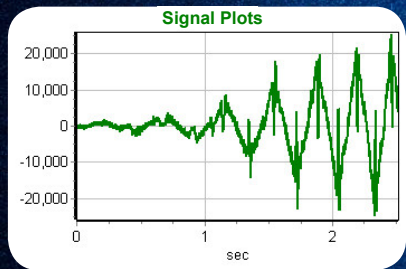
DR3 Servovalve

 **SERVO FORCE
LLC**
Dennis.Reust@sbcglobal.net



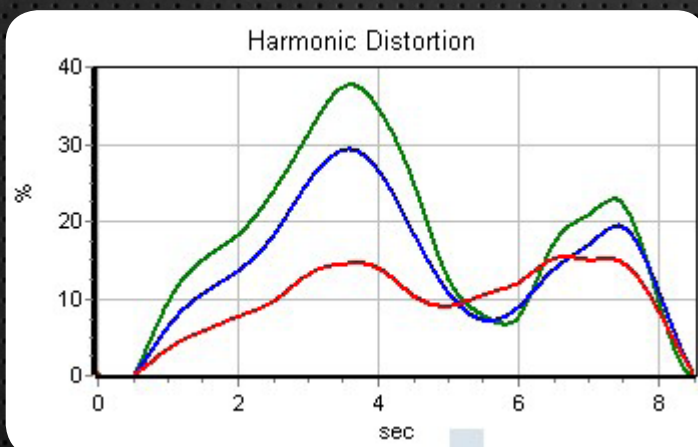
A Breakthrough in Vibroseis Technology

Higher Force Output • Less Distortion • Less Cavitation • Higher S:N Ratio



The smoother Ground Force signal on the right means Less Distortion and Better Data

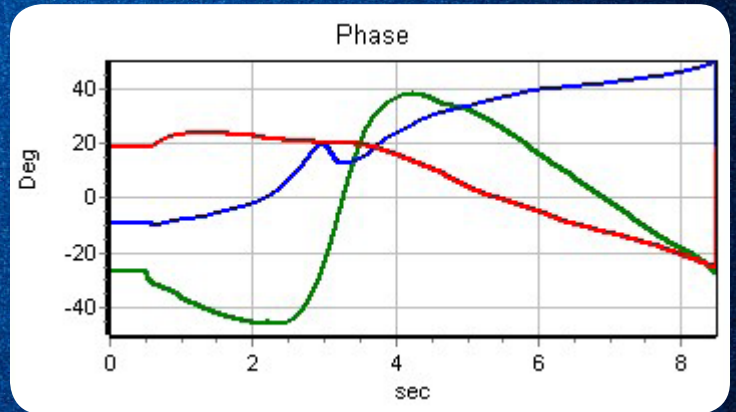
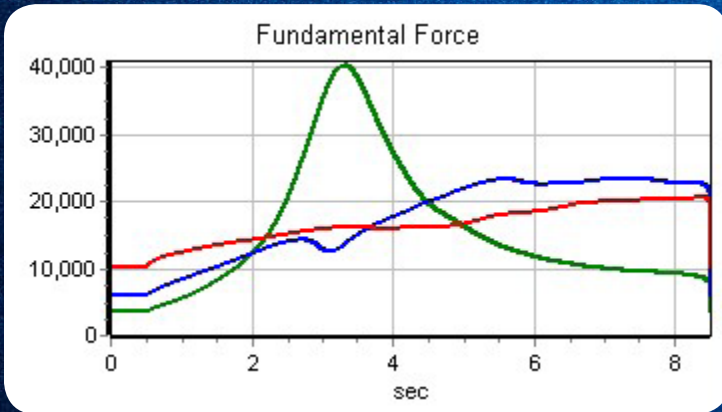
Significant Distortion Reduction



1.5 to 85 Hz Low Dwell Sweep on Concrete Pad in Ponca City, OK

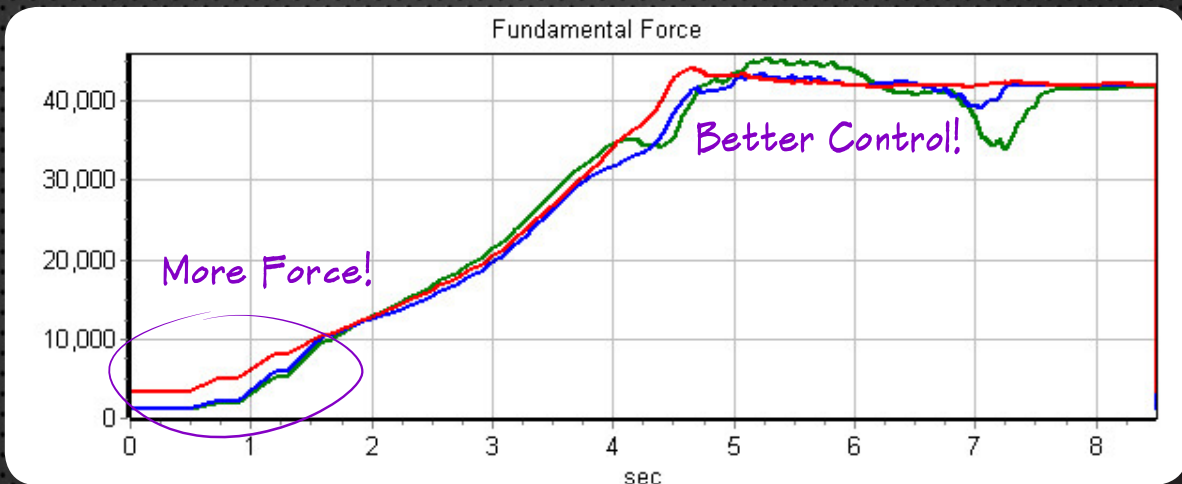
The **Red** trace shows less Harmonic Distortion at low frequencies.

The following graphs show the open loop response (no force or phase control):



Standard Valve (Green), DR Valve (Blue), DR3 Valve (Red)
 AHV-IV-362 Vibrator, 10-100 Hz, 9 Second Linear Sweep on Concrete Pad in Ponca City
 The Red traces show that DR3 makes a vibrator's natural force and phase responses more linear

Vibrator Output Force with Force Control Enabled



Standard Valve (Green), DR Valve (Blue), DR3 Valve (Red)
 1.5 to 85 Hz Low-Dwell Sweep on concrete pad in Ponca City, OK
 The Red trace shows more force and better control

Made and Sold By



Atlas Fluid Controls
 9206 Emmott Road • Houston, TX 77040 USA
 +1.713.937.7335 (Voice)
 +1.713.937.7303 (Fax)
 info@atlasinc.com

DR3 Technology licensed from:



Servo Force, LLC.
 1215 Lauren Lane • Stillwater, OK 74075
 Dennis.Reust@sbcglobal.net

Patent Pending