

Performance Augmentation Network

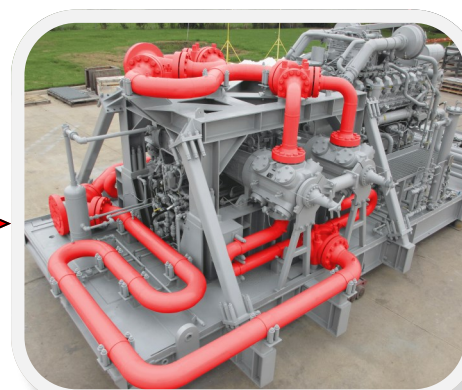
Co-developed by ACI Services, Inc.
and OPTIMUM Pumping Technology

Industry Standard

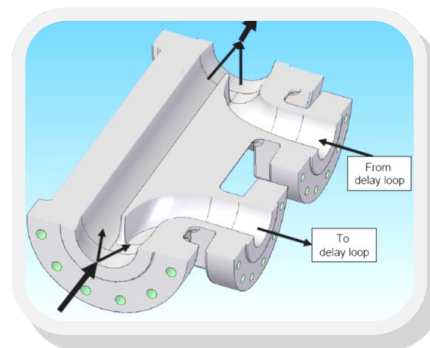
Orifice Plates
Bottles
Choke Tubes
High ΔP Losses

PAN Technology

No Plates
No Bottles
No Tubes
Low ΔP Losses



- Efficiently Attenuates Pulsations
- Retrofits to Existing Systems
 - Reciprocating Compressors
 - Centrifugal Compressor Headers
 - Electronic Flow Meter Runs
- Custom Engineered Tuning Loops or Manifolds
 - Fabricated with Standard Piping
 - PulseBuster TST™ Junctions



PulseBusters TST™ Junction



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Phone: (412)-257-9070
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sales@optimum-pumping.com

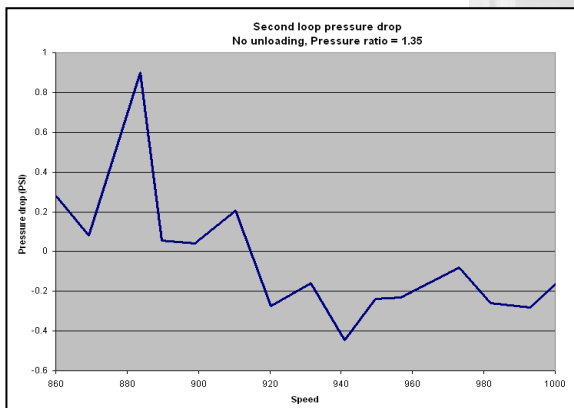
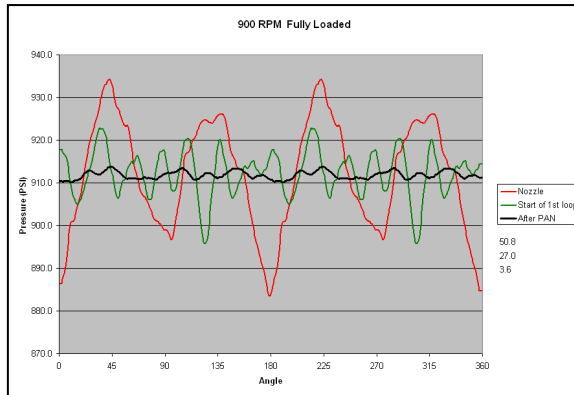


Services, Inc.

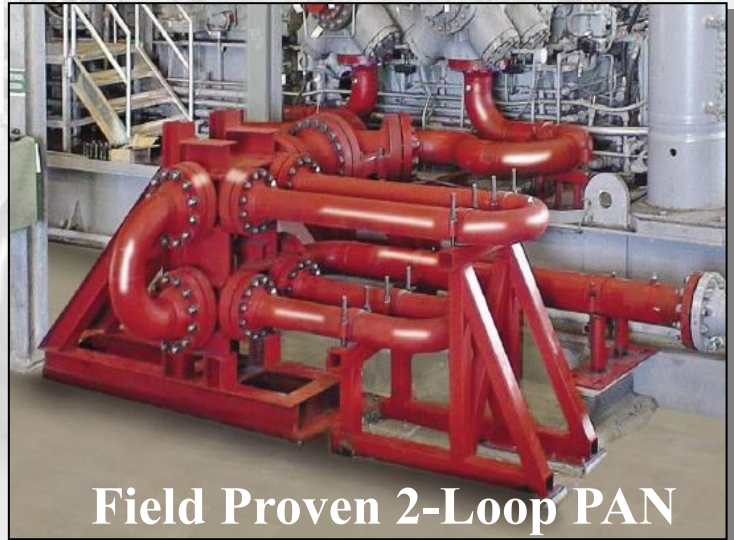
Reciprocating Compressor Experts

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Visit our websites: www.ACIServicesInc.com
www.CompressorConnection.com

Performance Augmentation Network



Loop PAN Field Test Results from El Paso Station 313A



Scope of Service

ACI and OPTIMUM can provide complete studies and solutions to your pulsation and noise problems using our proprietary Virtual Pumping Station simulation and design software.

- Detailed pressure measurements of pulsation/noise problem taken.
- Fourier analysis performed on pressure waves.
- One or more loops and/or manifolds to cancel problem frequencies.
- PANs designed and built with TSTs and industry standard pipe.
- Hardware installed and effectiveness verified.
- If conditions change, the lengths of the loops are easily changed to re-tune the PAN.