MIDSTREAM SOLUTIONS

RELIABLE. EFFICIENT. INNOVATIVE.
CECO’s mission is to be the best company in the oil and gas industry in safety, quality, and customer service. Since its beginning in 1964, CECO has established itself as one of the leading compressor parts and services companies. In addition to our manufacturing capabilities, our engineering team is able to solve your specific high-speed compressor challenges. You can trust CECO to provide advanced solutions to increase your compressor run-time and optimize its efficiency.

CECO’s advanced midstream solutions set us apart from the competition.

Our revolutionary rMAX\textsuperscript{TM} high-speed valve is the most reliable compressor valve on the market. Where disc and ported plate valves fail, CECO rMAX\textsuperscript{TM} is engineered to withstand tough operating conditions.

CECO’s Low Emission Packing, LEP\textsuperscript{TM}, will reduce your compressor packing case emissions (i.e., lost and unaccounted-for gases), and will outperform standard packing.

CECO Resilon-T\textsuperscript{TM} X540 is a proprietary polymer blend proven to improve your compressors performance and dramatically reduce lubrication requirements, resulting in substantial savings on operating costs.

In addition to these products, CECO offers quality precision repair, pipeline services and emissions testing services.
IT’S ONE TOUGH VALVE

Our revolutionary rMAX™ high-speed valve is the most reliable compressor valve on the market. The rMAX™ valve is engineered to withstand operating conditions typically found in midstream compressors. Where disc and ported plate valves fail in harsh operating conditions, CECO rMAX™ is built to last.

ENGINEERED TO MAXIMIZE RUN-TIMES

» Reliable High-Speed Valves
» Increased Valve Efficiency
» Fully Machined
» Handles Entrained Liquids
» Durable Alloy Steel
» Reduces Compressor Downtime
» Few Replacement Parts
» Increases Gas Flow
» Field Repairable
» Repair Kits Available

» Withstands Higher Operating Temperatures
» Tolerant of Liquids and Impurities
» Outperforms Traditional Plate Valves
» Easy Assembly
» Cheaper to Repair

AUTHORIZED REPAIR CENTERS

Texas · New Mexico · Louisiana · Oklahoma · Mississippi · Pennsylvania

CECO has partnered with M&J Valve Services to offer more repair centers for our rMAX™ high-speed valves.
RELIABLE.

Improve compressor reliability with CECO rMAX™ high-speed valves. You can rely on our engineered valves to increase profits, throughput, compressor efficiency and run-time!

Together we can eliminate valve failure.
“The combined leak rate had been reduced to 2.3 cubic feet per minute, achieving a 93% leak rate reduction with CECO low emission packing.”

Richard Ayala, Value-Adding Technologies
American Oil & Gas Reporter
LOW EMISSION PACKING

OUTPERFORMS STANDARD PACKING

The increasingly strict EPA regulations on packing case emissions have caused operators to seek new solutions to stay compliant with federal and state regulations. CECO’s Low Emission Packing, LEP™, will reduce your compressor packing case emissions (i.e., lost and unaccounted-for gases), and will outperform standard packing.

A recent study found that LEP™ reduced the average leak rate over 90% when compared to OEM packing, proving that LEP™ is the most efficient packing solution.

<table>
<thead>
<tr>
<th></th>
<th>Original Packing</th>
<th>LEP™</th>
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<tbody>
<tr>
<td>Leak Rate (SCFM)</td>
<td>33.5</td>
<td>2.5</td>
</tr>
<tr>
<td>Leak Rate (MMscf/yr)</td>
<td>17.6</td>
<td>1.2</td>
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<tr>
<td>CO₂E Emissions (tons/yr)</td>
<td>6230</td>
<td>428</td>
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</tbody>
</table>

BENEFITS OF LOW EMISSION PACKING

» Reduce Fugitive Gases
» Satisfy EPA Subpart W and State Regulations
» Easy In-The-Field Installation
» Longer Life than Standard Packing
» Can Retrofit Most Existing Packing Cases
HIGH-PERFORMANCE POLYMER

Resilon-T™ X540 is shown to dramatically reduce lubrication requirements and solve poor performance in high-speed compressors, resulting in substantial savings on operating costs. Our piston rings, rider bands and rod packing manufactured from this innovative polymer material can be customized to meet your exact specifications.

CECO keeps a large inventory of Resilon-T™ X540 stock material, allowing for fast turnaround of your specific needs. Our shop is equipped to manufacture rod packing from ½” to 5 ¾” in diameter, as well as piston rings and riders from ¾” to 48” (larger sizes available on request).

REDUCTION IN LUBRICATION COSTS

» Substantial Savings in Lubrication
» Reliable in High-Speed Applications
» Fast Delivery
» Competitively Priced
INNOVATIVE.

“We are seeing great results with the CECO X540 rings and riders. Our compressors went from 1000-2000 hours per year to 7000+ hours on average!”

Maintenance Technician
ADDITIONAL SERVICES

PRECISION REPAIR

Our precision repair service offers quality repair of your compressor and engine parts. We can give your existing valves, cylinders, pumps, packing cases, pistons and rods new life at one of our three Precision Repair Centers.

PIPELINE SERVICES

CECO Pipeline Services provides safe, high-quality pipeline construction as well as integrity work, fabrication, coating applications, corrosion and erosion control, compliance work and mechanical services.

Our Services Include:

- New Construction
- Pipeline Integrity
- Pipeline Maintenance
- Fabrication
EMISSIONS TESTING SERVICES

CECO is the industry leader for emissions testing. We have three state-of-the-art testing trailers that can provide on-site results of criteria pollutants and HAPs using the latest technology, including FTIR analyzers.

Tests Performed:

- Major & Area Source and Title V
- Gas Turbines: 40 CFR 60 GG & KKKK
- Reciprocating SI Engines: 40 CFR 60 - JJJJ
- RICE: 40 CFR 63 - ZZZZ MACT
- Permit by Rule, State Specific
- Test methods commonly used: 1, 1A, 2, 3A, 4, 7E, 10, 19, 20, 22, 25A, 320, ASTM D6348
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