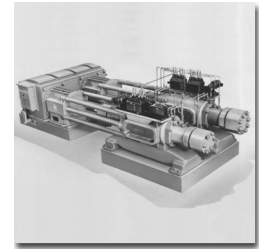
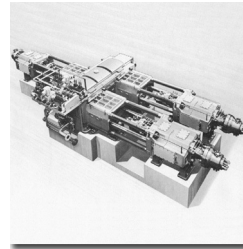


Poly-Hyper

Compressor Upgrades

Dresser-Rand offers upgrades that provide reliable operation, reduce downtime, and extend the period between overhauls. With a broad range of product offerings for a variety of applications, the company recognizes that service is a critical component for satisfying its clients' requirements.



As the original equipment manufacturer of the world's largest installed base of reciprocating compressors, Dresser-Rand has access to original drawings and manufacturing records for all Clark and Ingersoll-Rand booster primary and secondary Poly-Hyper reciprocating compressors. This unique advantage – combined with Dresser-Rand's world-class product engineering experience – brings you state-of-the-art components and assemblies that improve reliability, reduce maintenance, and increase safety.

Secondary Poly-Hyper Compressor Upgrades

Yoke Support Modifications

- **Non-metallic slide plates and flexible supports** can be applied to most Poly-Hyper compressors using slide plate technology for cylinder yoke/pedestal support.

Non-metallic slide plates

Features

No lubrication required

Non-metallic plate

Benefits

Reduces maintenance; eliminates waste lubricants; is environmentally friendly

Longer run-time

Flexible supports

Features

Supports are permanently bolted to the cylinder yoke/pedestal and the foundation

No wearing parts

Benefits

Maintain permanent alignment

Eliminates replacement parts

Studded Tie Rod and Drive Rod Conversion

Single-piece tie rods and drive rods on Ingersoll-Rand heritage Poly-Hyper compressors with opposed plunger cylinder configurations can be machined to introduce a removable stud at each end of the rod.

Features

Rolled threads

Spacers on tie rods

Benefits

Eliminate the high-stress area between the solid rod and integral stud for improved reliability

Allow easy length adjustment; under-sized tie rods can be reclaimed

For more information on **Poly-Hyper compressors**, contact one of the following Dresser-Rand locations.

Dresser-Rand

Reciprocating Operations

100 Chemung Street
 Painted Post, NY 14870 USA
 Tel: (Int'l +1) 607-937-2011
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For a complete listing of products and services, visit www.dresser-rand.com or contact one of the following Dresser-Rand locations.

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 17 Lorong Dungun
 Damansara Heights
 50490 Kuala Lumpur, Malaysia
 Tel: (Int'l +60) 3-2093-6633
 Fax: (Int'l +60) 3-2093-2622



Tie Rod and Drive Rod Nut Conversion

All Poly-Hyper compressors with opposed plunger cylinder configurations using hex-type nuts can be retrofitted with either hydraulically tensioned fasteners or multi-jackbolt tension nuts.

Features	Benefits
No heavy twisting associated with torquing a conventional hex-type nut	Eliminates thread galling
Precise torquing results in straight, in-line tensioning of the assembly	Eliminates sledging wrenches; increases reliability by properly securing the assembly

Additional Poly-Hyper Product Upgrades:

- Main Bearing and Connecting Rod Temperature Monitoring Systems
- Plunger Run-out Monitoring System
- Optical Alignment Verification System
- Drive Yoke Plunger Connection Conversion
- Outboard Bearing Conversion
- Crankcase Explosion Relief Doors

Cylinder Refurbishment Services

Numerous re-machining processes are available to return the cylinder to OEM specifications and reinstate the sealing integrity of aging Poly-Hyper compressor cylinders. Remachining the existing cylinder makes this a more cost efficient option as opposed to purchasing a new cylinder barrel.

Booster Primary Compressor Upgrades

Dresser-Rand offers several cylinder upgrades to improve the reliability of booster primary compressors. Examples include compressor valves, compressor pistons, TC₃ piston rod coating, fugitive emissions, and DuraWear™ performance parts.

Engineered Solutions & Revamps

Dresser-Rand offers modifications to accommodate new operating conditions and changes in gas composition through cylinder modifications. Engineering services include torsional analysis and unbalanced forces, digital pulsation and mechanical piping analysis, engineering / feasibility studies, technical support and field problem solving and analysis.

With a worldwide network of strategically located sales offices, service centers, warehouses, and manufacturing facilities, Dresser-Rand is positioned to provide service and support 24 hours a day, seven days a week. Give us a call.

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