SUCCESS STORY
CENTRAL VALVES FOR OTHER BRAND HYPER COMPRESSOR
CASE NO.103

APPLICATION DESCRIPTION

<table>
<thead>
<tr>
<th>New central valves for other brand hyper/secondary compressor</th>
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<tbody>
<tr>
<td><strong>Type</strong></td>
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<tr>
<td><strong>Power</strong></td>
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<td><strong>Speed</strong></td>
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<td><strong>Gas</strong></td>
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<td><strong>Suction pressure</strong></td>
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<td><strong>Discharge pressure</strong></td>
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<td><strong>Lubrication</strong></td>
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WHY BURCKHARDT COMPRESSION

- Improve lifetime and increase reliability of 1st stage radial valve and 2nd stage axial valve. Reduce downtime of compressor
- Simplify installation of central valves
- Material analysis, propose possible improvements

BURCKHARDT COMPRESSION SOLUTION

- FEA analysis of the central valves
- Customized engineering of Burckhardt Compression central valve design
- Know-how and experience provided from the market leader in LDPE compressor manufacturing. High performance material selected to provide the required improvement. Utilization of particular manufacturing processes like Autofretage, shot peening and roller burnishing in order to achieve superior durability and resistance.
- Manufacturing, quality assurance and installation of the new central valves

CUSTOMER BENEFITS

- Perfect fit onto existing Non-Burckhardt Compression compressor
- Increased reliability and lower life cycle costs with the new solution
- Successful operation after installation in 2010
- Delivery to full customer satisfaction
COMPRESSOR COMPONENTS
BEST PERFORMANCE
AND LONGEST LIFETIME
Compressor valves
Redura® rings & packings
Capacity control systems
Capital parts
Labyrinth piston compressor components
Hyper/secondary compressor components

SERVICES
THE FULL RANGE
Burckhardt Valve Service
Spare parts logistics
Field service
Technical support
Revamps & upgrades
Component repair
Condition monitoring & diagnostics
Training

COMPRESSOR KNOW-HOW WITH IN-HOUSE COMPETENCY COVERING COMPRESSOR VALVE TECHNOLOGY
HIGHEST AVAILABILITY
SUPERIOR PERFORMANCE
LOWEST LIFE CYCLE COSTS

Burckhardt Compression AG
CH–8404 Winterthur, Switzerland
Tel.: +41 52 262 55 00
24-hour emergency tel.: +41 52 262 53 53
aftersales@burckhardtcompression.com
www.burckhardtcompression.com

Your local contact

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