



HAFFMANS SERVICES



GET THE MOST OUT OF YOUR SYSTEM

INTRODUCTION

Your carbon dioxide (CO₂) system is an integral part of your production process and keeping it up and running is critical for the continued success of your operation.

Pentair Haffmans is your partner to optimize the life cycle management of your system.

With a wealth of experience in CO₂ systems in the brewing, beverage and selected niche markets, Pentair Haffmans has gathered extensive know-how in the intricacies of servicing and maintaining CO₂ plants. As a result we have a variety of service options for you to choose from.

This plan provides on-going monitoring, maintenance and service for your entire process instead only looking at individual components. Pentair Haffmans works with you to look ahead so that together we can focus on keeping your plant running at maximum efficiency with the highest performance level against the lowest energy consumption.

Benefits

- Up to 60% energy savings
- Up to 15% improved efficiency
- Achieve the highest CO₂ purity

ENERGY SCAN

Improving performance and processes, while meeting environmental, health and safety challenges is more important today than ever. As a specialist in CO₂ recovery, Pentair Haffmans offers an Energy Scan to enable you to reach these targets. This scan of your CO₂ recovery systems will provide detailed information on:

- **Energy Consumption**
Actual energy consumption with advice on how to save on water, power and thermal energy.
- **Performance**
Taking into account capacity and reliability, the energy scan provides a clear view of your CO₂ recovery plant performance and its technical status.
- **Quality**
CO₂ has a large influence on the quality of the end product and on customer acceptance of that product. CO₂ gas samples are taken from specific points in the CO₂ recovery process and analyzed at our in-house laboratory to provide information on the quality performance of each process step.

Results

An Energy Scan provides a complete overview of your CO₂ system's performance and is the basis for recommending or design a maintenance plan to meet your specific needs. In addition, any needed improvements are recommended to ensure maximum plant efficiency and the best quality.

| | Maintenance Contract |
|---|----------------------|
| Preventive maintenance - Original spare parts | • |
| Preventive maintenance - Service | • |
| Stock consulting | • |
| 24/7 technical support | |
| Guaranteed engineer availability | |
| Remote service | |
| Data trending | |
| Data analysis | |



TAKING CARE OF THE FUTURE

SERVICE LEVEL AGREEMENTS

Through Life Cycle Management, Pentair Haffmans ensures that the installation continues to meet your expectations at the lowest costs.

To provide service that meets your needs Pentair Haffmans offers custom-made service plans that range from maintenance contracts to comprehensive service level agreements.

These agreements give a transparent overview of expectations related to response times, the availability of spare parts and consumables, and the performance of the CO₂ system. All of this contributes to a lower Total Cost of Ownership.

| Service Level Agreement | Service Level Agreement Advanced Care |
|-------------------------|---------------------------------------|
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24/7 TECHNICAL SUPPORT



We offer unparalleled customer service and technical support for all our products. To help you achieve maximum plant efficiency, our professionals provide 24/7 technical support by phone, e-mail or remote service.

Benefits

- Direct contact with specialists
- Cost savings (remote service)
- 24/7 support

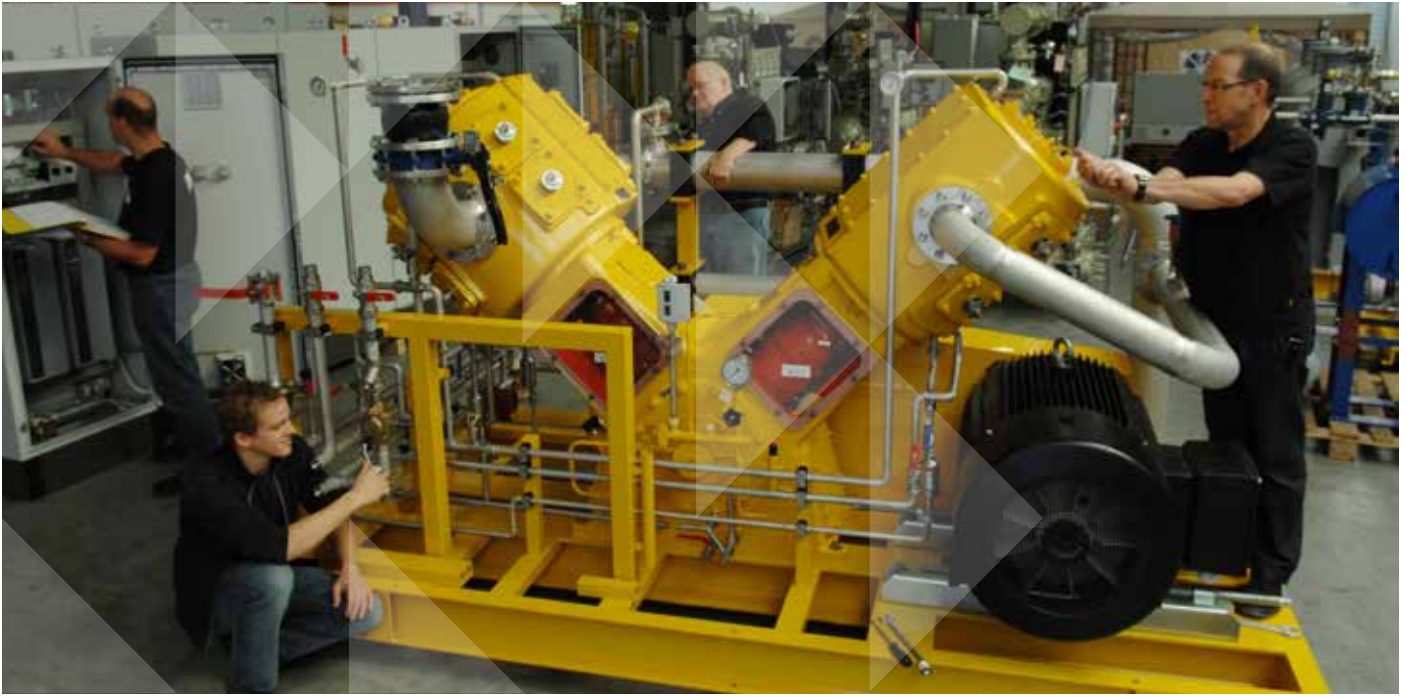
REMOTE SERVICE, DATA MONITORING/TRENDING



Remote service is a tool to remotely monitor, access and repair products in use at customer sites. It's a secure service to troubleshoot disturbances, perform proactive maintenance, assist with user operations and monitor performance. This technology fights intolerable plant downtime. Remote service helps to:

- Increase uptime, improve performance and extend the life your plant
- Control service costs, upgrade remotely and ensure a first-time fix when an on-site visit is required
- Focus highly trained service teams on preventative maintenance, by diagnosing and repairing issues before they cause system failure

In addition, Pentair Haffmans can generate performance reports through data monitoring and trending.



TRAINING



Professional training is an effective method for reducing operating and maintenance costs.

Pentair Haffmans' Service Department provides instructional courses for operators and/or technical personnel that are geared to the needs of the target group. Training is offered on-site and in-house.

ORIGINAL SPARE PARTS



Pentair Haffmans provides original spare for preventive maintenance and repairs.

Based on many years of experience, Pentair Haffmans offers spare part packages and stock consulting that helps reduce both costs and risks.

The fast availability of high-quality original spare parts provides maximum system availability.

PLANT AUDITS/MAINTENANCE



On-site inspection and preventive maintenance of your CO₂ system is an efficient way to maximize your plant performance.

All visits include a detailed report on the current status and performance of your plant.

Benefits

- Fewer breakdowns
- Reduced corrective maintenance
- Reduced production losses



CERTIFIED GLOBAL SERVICE TEAMS

CONTACT

ABOUT US



No matter where your plant is located, our global network of service engineers with their extensive know-how and experience provides the maximum performance of your system and helps ensure the high-quality of the end product.



Please feel free to contact us if you have any question about the described services.
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Pentair Haffmans develops and supplies quality control equipment and CO₂ systems for the brewing, soft drink, wine, bioethanol, and biogas industries.

Pentair Haffmans is a multinational company, with a strong focus on innovation and customer satisfaction, and a presence in more than 150 countries worldwide. All of our technologies are designed with the same principles in mind: protect the environment and reduce operating expenses at the same time.

When it comes to customer satisfaction Pentair Haffmans continuously strives to realize a 'best of the best' standard, not just meeting but anticipating and exceeding customers' requirements.

We offer unparalleled customer service and technical support for all our products through custom-made service plans that range from maintenance contracts to comprehensive service level agreements.





HAFFMANS BV

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