

COMPREHENSIVE TRAINING IN PUMP SYSTEMS AND TECHNOLOGY

TRAINING CATALOGUE 2025 / 2026



more than
CRYOGENICS



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INTRODUCTION

INNOVATIVE SOLUTIONS: DEVELOPING SKILLS FOR FUTURE SUCCESS

Cryostar not only supplies advanced cryogenic equipment but also offers various services to help clients. Our training programmes for operators and maintenance staff are thriving. By investing in these programmes, businesses can equip their teams with the latest industry techniques and tools.

TRAINING PREREQUISITES FOR CRYOSTAR COURSES

Theoretical courses can be combined with hands-on sessions based on equipment availability at the customer's site or Cryostar's factory. Trainees must be proficient in English or have a translator present, and they should possess a background in mechanical engineering with skills in maintaining industrial equipment.



COURSE OUTLINE 1

CENTRIFUGAL PUMPS - G-CBS, G-CBSD, CS, VS, SUBTRAN, CSH-CBSH

PROGRAMME DURATION: AN AVERAGE OF 1 DAY OF THEORY, & A 2-DAY-WORKSHOP TRAINING FOR EACH TYPE OF PUMP.

HANDS-ON CONTENT

- Review of the maintenance schedule
- Overview of the checklist and documents used for the dismantling and the re-assembly.
- Hands-on experience:
 - Disconnecting cold end
 - Checking of the motor
 - Clearance checks before dismantling.
 - Complete dismantling, inspection of the cold end...
 - Cleaning, degreasing,
 - Complete re-assembly, coupling, mechanical checks

THEORY CONTENT

- Explanation of the inner workings of a centrifugal pump, its characteristics and its mechanical elements
- Breakdown of the P&ID, operating curves, and associated hydraulic principles.
- Instructions for maintenance & service

OBJECTIVES

- To gain both theoretical and practical knowledge in the following areas:
 - Centrifugal pumps
 - Troubleshooting methods
 - Maintenance procedures
 - Hands-on application
 - Empower individuals with technical expertise.
 - Foster a collaborative learning environment.
 - Promote exchange of best practices across regions

LOCATION

- Participants can choose convenient venues worldwide. Each location offers modern facilities and an experienced staff
 - Cryostar France
 - Customer's facility
 - Our Business Centres in China, Brazil, the United Kingdom, the United States, Singapore

RECIPROCATING PUMPS - PPC, SDPD, GDPD, SRP, MRP, HPP

PROGRAMME DURATION: AN AVERAGE OF 1 DAY OF THEORY, & A 3-DAY- WORKSHOP TRAINING FOR EACH TYPE OF PUMP.

HANDS-ON CONTENT

- Review of the maintenance schedule
- Overview of the checklist and documents used for the dismantling and the re-assembly.
- Hands-on experience:
 - Disconnecting cold end from the crank drive
 - Checking of the motor
 - Clearance checks before dismantling.
 - Complete dismantling, inspection of the cold end
 - Cleaning, degreasing,
 - Complete re-assembly, coupling,
 - Complete mechanical checks

THEORY CONTENT

- Explanation of the inner workings of a reciprocating pump, its characteristics and its mechanical elements
- Breakdown of the P&ID, operating curves, and associated hydraulic principles.
- Instructions for maintenance & service

OBJECTIVES

- To acquire the theoretical and practical knowledge regarding:
 - Reciprocating pumps
 - Troubleshooting methods
 - Maintenance procedures
 - Hands-on application
- Empower individuals with specialised technical skills.
- Cultivate a collaborative learning atmosphere

LOCATION

- Cryostar France
- Customer's facility
- Our Business Centres in China, Brazil, the United Kingdom, the United States, Singapore



WHAT MAKES CRYOSTAR'S TRAINING PROGRAMMES UNIQUE AND EFFECTIVE?

Innovative Equipment

- Cryostar is committed to continuous innovation, ensuring that its products and services remain at the forefront of technology.

Decades of Experience

- Our instructors are experienced engineers with an average of 15 years in hands-on workshops, on-site operations, and design, specialising in areas such as manufacturing, testing, operation, and maintenance.

Certification and Recognition

- Certificates of completion may be awarded, showcasing the individual's competency in cryogenic technologies.





ACCELERATING EFFICIENCY: ADVANCED PUMP TRAINING AT CRYOSTAR'S CENTRE

Cryostar's Training Centre provides specialised courses centered around various types of pumps, delivering comprehensive knowledge along with practical experience. Participants will explore the design, operation, and maintenance of cryogenic pumps, gaining valuable insights to improve their expertise.

With professional guidance and a supportive learning atmosphere, our training prepares operators and maintenance personnel to tackle the challenges of cryogenic systems both efficiently and effectively. To enrol in a course, please contact our training coordinator or visit our website for more information.

To receive our pricing details, simply reach out to us via email, and we'll be happy to assist you.



WWW.CRYOSTAR.COM



LE.FR.CTC@CRYOSTAR.COM



[+33.389.70.27.27](tel:+33.389.70.27.27)