

# COMPRESSOR OVERHAULING and REPAIRING

BITZER - Screw // Reciprocating Compressors

RETROFIT OF R404A OR R507A SYSTEMS

SEMINARS  
2020



# SEMINARS 2020

## DATES OF SEMINARS

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// **Reciprocating Compressors** : Duration: 3 days

March 10 - 12

October 20 - 22

// **Screw Compressors** : Duration: 3 days

April 7 - 9

November 17 - 19

// **Retrofit of R404A or R507A systems** : Duration : 1 day

February 18

March 17

Avril 21

## PLACE

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Green Point France facilities near Paris, France, is the Competence Center of the BITZER Group dedicated to after-sales services. The facilities offer state-of-the-art equipment and tools serviced by a highly skilled team.

Seminars are dedicated to service engineers and will mostly be “hands-on” driven and are intended exclusively for technicians being qualified for refrigerant handling, maintenance companies, installers, design offices.

## ORGANIZATION

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// **Participants:** 3 minimum / 5 maximum

In case 3 participants are not registered, we can either propose to increase the price per technician or combine with another seminar group.

// **Booking:** Registration form (attached) to be returned as soon as possible (latest 2 months before the seminar date)

Email adress: [commercial@bybitzer.fr](mailto:commercial@bybitzer.fr)

// **Price by Technician :**

- Reciprocating or Screws compressor seminar:

**1500 € net price (excluding taxes)**

\* Includes : Hotel 4 nights (arrival the day before) and meals (lunch and dinner)

- Rétrofit seminar: **400 € net price (excluding taxes)**

\* Includes lunch

\* Cost of trainers, spare parts, consumables and energy during the course. Hotel transfer.  
All other costs to be borne of the Customer.

// **Payment:** Bank transfer 50% at registration and the balance 30 days before the seminar starts.

**On request, we can offer a private training session with a maximum of 5 participants.**

# REPAIR & OVERHAUL BITZER COMPRESSORS SCREW OR RECIPROCATING

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## SEMINAR CONTENTS

General information, overview of the repair process.

Practical approach on the different types of screw or reciprocating compressors.

### TECHNICAL CONTENTS (Abstract)

- // State-of-the-art methods, use of original spare parts
- // Quality concerns:
  - Parts to be systematically replaced
  - Replacement based on parts condition
- // Disassembly and inspection (Tear down report + Pictures: on request)
- // Cleaning methods (depending on parts): washing // blasting // brushing
- // Preparation for re-assembly
- // Interactive Demonstration of assembly (Reciprocating)
- // Interactive Demonstration of assembly (Screws)
- // Settings, Clearance and fittings
- // Run-in test // Running test
- // Leakage test
- // Evacuation // Drying
- // Finishing
- // Painting

### SUPPLEMENTAL CONTENTS

- // Introduction of the participants
- // Visit of Green Point France
- // Failure analysis : Electric and mechanic
- // Tips and tricks
- // BITZER Documentation
- // BITZER e-Parts
- // USB stick with all technical details and specific information

### TRAINING CERTIFICATE

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## SEMINAR CONTENTS

General information on fluid selection and component compatibility.  
Practical implementation on the system and compressor.

### THEORETICAL PART (Abstract)

- // Obligations related to the F-Gas Directive
- // How to choose a fluid for the future
- // Thermodynamic comparison of fluids
- // Initial conditions and considerations (availability)
- // Tips and tricks / common sense rules
- // Selection, replacement, adaption of components
- // Solutions to adapt capacity and capacity regulation
- // Compatibility of BITZER compressors / Checklists for conversion.

### TECHNICAL CONTENTS / HANDS-ON

- // Réciprocating compressors: Adaption / Measures
- // Operation and reading of a refrigeration system operating with R404A
- // Demonstration of the R404A/R449A Retrofit
- // Operation and reading of a refrigeration system operating with R449A
- // Identification of differences, adaptations and possible adjustments.
- // Screw compressors: Adaption

### TRAINING CERTIFICATE

# REGISTRATION FORM

## SEMINAR TITLE

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- COMPRESSOR OVERHAULING and REPAIRING BITZER - Reciprocating Compressors
- COMPRESSOR OVERHAULING and REPAIRING BITZER - Screw Compressors
- RETROFIT OF R404A OR R507A SYSTEMS

Session Date: .....

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### PARTICIPANT'S COMPANY OR ORGANIZATION

Company name .....  
 N° VAT (to be filled in imperatively) .....  
 Headcount..... Web page .....  
 Adress .....  
 ZIP Code ..... City .....Country.....

### Contact details of the responsible person for registration

Mrs. Mr. Surname ..... First Name .....  
 Job Title ..... Department .....  
 @ ..... ① .....

## PARTICIPANTS

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| Name  | First Name | Job Title | Arrival Date & hour | Departure Date & hour |
|-------|------------|-----------|---------------------|-----------------------|
| ..... | .....      | .....     | .....               | .....                 |
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## COMMENTS

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The company has read and agrees upon the general terms and conditions of sale on the back of this registration form.

Company stamp and signature

Date .....

Name of signatory.....

Quality .....

# GENERAL TERMS AND CONDITIONS

## SERVICES

These General Terms and Conditions are applicable to companies, self-employed persons and freelancers. Green Point France provides services appropriate to the nature and scope of the description of an event in the current event program or in accordance with a separate written agreement. In exceptional cases, Green Point France reserves the right to change lecturers and/or make changes in the program sequence. Seminars are dedicated to service engineers and will mostly be “hands-on” driven and are intended exclusively for technicians being qualified for refrigerant handling, maintenance companies, installers, design offices.

## REGISTRATION AND CONFIRMATION

Registrations must be addressed in writing to Green Point France by e-mail. By registering, the participants undertake to participate in the event or seminar and pay the corresponding fees and costs. Registrations will be handled on a first-come-first-serve basis and confirmed by e-mail.

Registrations and reservations by phone will not become effective until registration in writing (including electronic registration) is received. By registering in writing, the participants accept the General Terms and Conditions as integral part of the contract. Secondary verbal agreements always require confirmation in writing. The training agreement becomes effective upon written confirmation. Individual parts of events cannot be booked unless specifically stated in the event program.

## CANCELLATION AND PROGRAM CHANGES BY GREEN POINT FRANCE

Green Point France reserves the right to cancel an event if the number of participants is too low, a lecturer cancels, a hotel closes, in the event of a force majeure or due to any circumstances that are not the fault of Green Point France. Program changes shall also be expressly reserved, as long as they do not affect the overall character of the event. A change in lecturers, immaterial changes in the sequence of an event or an acceptable change in the venue of an event does not entitle the participant to a reduction in price or to withdraw from the agreement. In the event of cancellation by Green Point France, it shall in any case only be required to refund the payments already made. Any further claims shall be excluded, except in cases of intentional or grossly negligent behavior on the part of employees or other agents of Green Point France. Green Point France shall not be liable for the contents of the seminar presentations or of the accompanying work documents or for the way in which they are conducted, unless due to intentional or gross negligence on the part of Green Point France or one of its agents.

## CANCELLATION OR REBOOKING BY THE PARTICIPANT

Cancellations must be accompanied by a written explanation. The date of receipt at Green Point France shall apply. Unless a replacement participant can be presented, a processing and cancellation fee shall be charged. Until 10 days prior to the event, it shall amount to 50% of the registration fee plus the current legal VAT. If cancelled within 14 days prior to the event, if the participant fails to appear without prior cancellation or cancels after the beginning of the event, the full registration fee as invoiced shall be payable. Participants are not entitled to set-off, reduction or assertion of a

withholding right, unless their claims have been stated as legally binding and are uncontested

## EVENT DOCUMENTS

The event documents will be handed over to each participant in accordance with the description of the seminar at the venue of the event. The event documents – manuscripts, exercises and case studies – are protected by copyright. All rights to the event documents are exclusively owned by Green Point France. Any reproduction, digitization, publication, dissemination or making available for download or any other use outside the event requires the prior, express and written approval by Green Point France. Taking pictures, recording videos as well as the use of mobile phones and tablets is forbidden during the seminar.

## TERMS OF PAYMENT

Upon registering, a 50% prepayment shall be made. The balance shall be paid 30 days before the seminar starts. In case of short notice registration (less than 30 days before the starting date), the full amount should be paid upfront. All invoices are payable by bank transfer, and not subject to any deduction. Legal VAT rate at the date of invoice will be added to the fees amount.

## PARTICIPATION CERTIFICATES

For each seminar, the participant shall receive a participation certificate.

## COLLECTION, PROCESSING AND PROVISION OF PERSONAL DATA

Data collected and exchanged as requested by our services and registration process or required by applicable laws and regulations, remain confidential. Unless otherwise expressed, the customer agrees to be quoted as a Green Point France reference. According to the applicable law of France, the customer is entitled to request in writing from Green Point France not to have such information communicated. Furthermore, the customer may at anytime request access, correction and erasing of its personal data. This right shall be applied through a written request sent to Green Point France.

## PLACE OF JURISDICTION AND APPLICABLE LAW

The legal relationship of the contractual parties arising from or in connection with the agreement is governed by the law of the France to the exclusion of the UN Sales Convention (CISG). The place of jurisdiction for any legal dispute arising from or in connection with the agreement is the registered office Green Point France. In the event that individual clauses of the above General Terms and Conditions are invalid, this shall not affect the validity of the remaining provisions.

 **Green Point**®

A SERVICE BY BITZER GROUP

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