



NEUMAN & ESSER

NEACADEMY Seminar Servicing and Maintenance of Diaphragm Compressors



Target group:

Engineers, Technicians, Foremen and Fitters from maintenance and production areas whose jobs include overseeing, repairing and ensuring the smooth running of diaphragm compressors

Training objectives:

Participants will learn about the function and operation of diaphragm compressors and their accessories and, from the context of malfunctions and faults, they should be able to derive preventive measures to minimise downtimes and costs

Topics:

Function and operation of the diaphragm compressor

- Construction of the compressor with its individual components: bearings, crankshaft, pistons, cylinders, perforated plate, valves, oil overflow valve,
- compensation pump
- Control modes

Functions of the main components

- Function, advantages and disadvantages of the various designs of coolers, collectors and tanks

Servicing the diaphragm compressor

- Periodic inspections of the compressor units, preventative and status-oriented maintenance, maintenance intervals
- Assessment and evaluation of wearing parts, determining useful life, optimising service life

Assessment, cause-analysis of malfunctions and faults

- Typical examples that lead to malfunctions and stoppages
- Procedure of cause-analysis

Influence of vibrations upon the functioning

- Possible causes of vibrations, consequential damage

Diagnosis on diaphragm compressors

- On-Site-Diagnosis: Presentation of possibilities

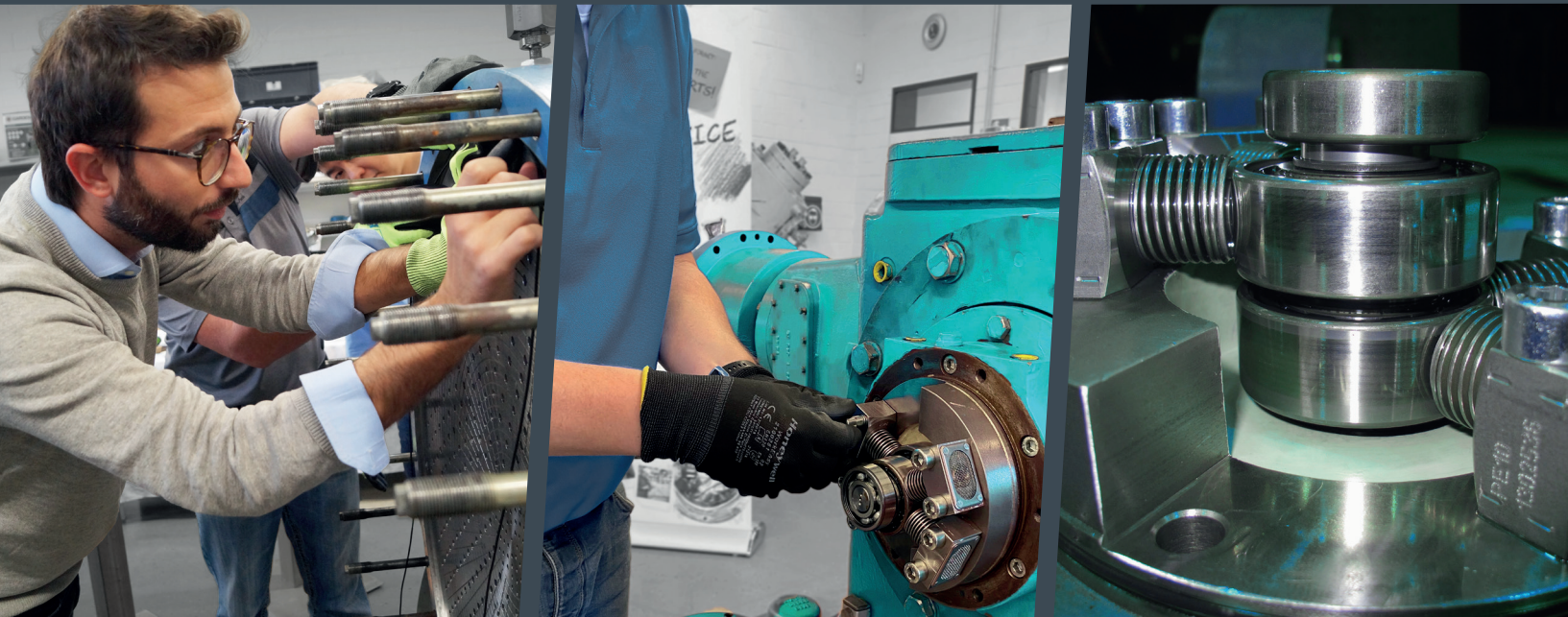
Job safety around the diaphragm compressor

- Safe working practices on the diaphragm compressor
- ATEX



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Authorized OEM supplier for reciprocating compressor lines:



Topics of practical part:

Based on the theory are mediated basics different practical exercises on exercise compressors and components performed as for example:

- Measurement of clearances of slide bearings
- Change of valves
- Change of diaphragm plate
- Crosshead - piston rod connection
- Setting of oil overflow valve

Conclusion of the seminar:

Visit to the manufacturing site NEUMAN & ESSER, Übach-Palenberg

Location of the seminar:

NEACADEMY • NEAC Training Center, Übach-Palenberg (near Aachen)

Costs of seminar:

(min. 5 participants, max. 8 participants)
The actual seminar fee you can ask for.

The actual seminar fee includes one night accommodation in a single room in a medium-grade hotel, seminar notes, meals and drinks during the day.

Dates:

The current seminar dates can be found on our website www.neuman-esser.com

Remarks:

We are glad to prepare your individual training program - also special for your individual compressor unit.

Please send us your request

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