



## Workshops 2020

### HERMETIC-Pumpen GmbH

With these workshops we provide you a great opportunity to qualify your staff and consequently to guarantee the safety of your plant.

**All workshops including certificate.**

Workshops regarding design and maintenance of canned motor pumps on demand.

#### Workshop S 11

**The installed canned motor pump and explosion protection of canned motor pumps**

Date: 28.10.2020

Participants: min. 5 persons /

max. 10 persons

Duration: 1 day

**Cancelled**

(9:00–12:00 /

13:30–17:00)

Charges: 350 € per person plus VAT  
(overnight expenses not included)

#### Topic

- Design of canned motor pumps
- Operating range of canned motor pumps
- Type examples
- Operating details of canned motor pumps:
  - plant performance curve • adjustment of centrifugal pumps • NPSH and cavitation • monitoring of canned motor pumps • early warning of malfunction
- Principles of explosion protection
- Types of protection and their application in canned motor pumps
- Surface temperature of canned motor pumps as ignition source
- Required and recommended monitoring systems of canned motor pumps for installation in hazardous areas (zone 1)
- Marking of canned motor pumps according to ATEX

#### Workshop S 21

**Maintenance of canned motor pumps**

Date: 10. + 11.11.2020

Participants: min. 5 persons /

max. 10 persons

Duration: 2 days

**Cancelled**

(9:00–12:00 /

13:30–16:00 each)

Charges: 700 € per person plus VAT  
(overnight expenses not included)

#### Topic

- Construction details of canned motor pumps
- Dismantling and installation of canned motor pumps
- Repair of canned motor pumps
- Check of components, tolerances and dimensions
- Electrical and hydraulic tests of canned motor pumps
- Theory of axial thrust test
- Monitoring devices for canned motor pumps and the respective adjustment
- Failure causes of canned motor pumps

We draw your attention to the fact that the workshop registration must be sent to us not later than 3 weeks before the required workshop starts. Please be informed that we cannot consider any registration after this date. We ask for your understanding.

**SENDER**

\_\_\_\_\_  
Mr. / Mrs. (contact)

\_\_\_\_\_  
Company

\_\_\_\_\_  
Street

\_\_\_\_\_  
Postal code / City

\_\_\_\_\_  
Phone

\_\_\_\_\_  
E-Mail

\_\_\_\_\_  
Invoice address (if not in accordance with above mentioned address)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
Suggestions (any required topics regarding workshop or training)

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\_\_\_\_\_

\_\_\_\_\_

I still have questions and ask for a callback.

**WORKSHOP** (please mark)

S 11: 28.10.2020

S 21: 10. + 11.11.2020

**LIST OF PARTICIPANTS**

**1** Name

\_\_\_\_\_

\_\_\_\_\_  
Position / Activities

**2** Name

\_\_\_\_\_

\_\_\_\_\_  
Position / Activities

**3** Name

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\_\_\_\_\_  
Position / Activities

**4** Name

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Position / Activities

**5** Name

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Position / Activities

**6** Name

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Position / Activities

**7** Name

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Position / Activities

**8** Name

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\_\_\_\_\_  
Position / Activities

**9** Name

\_\_\_\_\_

\_\_\_\_\_  
Position / Activities

**10** Name

\_\_\_\_\_

\_\_\_\_\_  
Position / Activities

