

10th Chemical Industry Digest *Calibre* Workshop on

Pumps, Seals & Packings

22nd-23rd September 2011, Mumbai

- Make Better Selection
- Improve Operational Performance
- Troubleshoot Operational Challenges
- Realise Energy Savings
- Enhance Productivity
- Increase Reliability
- Cut Down Losses
- Solve Problems

Save Upto
₹1,000 by
enrolling now!

Faculties:

S L Abhyankar, 'Pump Man of India'
(Technical Advisor to the Indian Pump
Manufacturers Association).

Vijay H Patil, Vice President (Operations),
Leak-Proof Engineering (India) Pvt Ltd.
Specialist in Seals and Packings.

Organised by:

Calibre Communications

(A division of Blockdale, publishers of India's
leading chemical & engineering journal,
CHEMICAL INDUSTRY DIGEST)

Introduction

Many people in the chemical industry may consider Pumps to be a run-of-the-mill piece of equipment. But there are tremendous benefits to be gained in their proper design, selection, installation and operation.

Only a reliability focused attitude and not 'repair focus' of pumps & systems will bring a reduction in operational costs, while improving productivity.

Mastery over the operation and maintenance of your pumping system can save your company unqualified losses. Improvements in the design and location of pumps can result in reduced wastage and tremendous cost savings.

This unique workshop combining the vast knowledge of renowned experts will help you get enhanced production efficiencies at lower operating costs and increased end-product yields in terms of quality and output.

Learn how to optimally select the right pump, seals and packings for your specific applications. Also, learn how to modify your existing system to get better efficiencies.

Objective of this Workshop

The knowledge gained in this workshop will help the participants in tackling day-today problems encountered in the process plant. Participants will learn of the new developments taking place in the design of pumps, seals and packings. You will gain a fundamental insight into all aspects of pumps, seals and packings, right from selection and installation upto operation and maintenance.

This workshop - like all Calibre Workshops - will provide you an opportunity to share your views and experiences with experts and with other major operating companies. This would most certainly translate into substantial savings in operating and maintenance costs.

Meet Your Faculties

S L Abhyankar is Technical Adviser to the Indian Pump Manufacturers Association. He is a leading consultant in India for pumps, seals and packings, having over 47 years of experience in the field. He has the distinction of having guided the design and manufacture of India's first 100% indigenous bubble-tight 600 mm butterfly valve.

Vijay H Patil specialist in pumps, seals and packings. He is Vice President (Operations), Leak-Proof Engineering (India) Pvt Ltd. He has wide experience of more than 40 years in all aspects of seals and packings, having previously worked with some of the leading pump and seal manufacturers in India.

Who will Benefit ?

The course is suitable for chemical and mechanical engineers, technical personnel, production managers, maintenance engineers, supervisors, consultants in all process industries, R&D organisations and consulting engineering companies.

Duration & Methodology

The course is for 2 days. The course is given through lectures, with examples and problems commonly encountered with various types of plant failures. It will be supported by audio-visual demonstrations, wherever possible. The emphasis throughout is on industrial applications.

Course Contents

- Selection of pumps
- System characteristics
- Operational aspects
- Building an energy-efficient pumping system
- Influence of density and viscosity
- Affinity laws
- NPSH characteristics and cavitation
- Selection of drives
- Selection of material of construction
- Codes and standards
- Testing and inspection of pumps
- Pump installation
- Sealing leakages
- Selection of seals
- Flushing and quenching
- Analysis of seal failure
- Performance characteristics of seals
- Types of packings
- How to select the right packing for a particular application?
- Formats for data to be supplied by the user
- Formats for data to be supplied by the supplier
- Performance monitoring
- Instrumentation & controls
- Maintenance & troubleshooting
- Vibration & noise
- Case studies
- Motors & Drives for pumps
- Energy efficient motors
- Motor performance aspects

Cost: ₹9,000 + 10.3% service tax = ₹9,927/= per delegate for the two days.

Cost includes course material, lunch, tea/coffee, snacks. Please note that this does not include accommodation. Delegates are requested to make their own arrangements. All payments to be made in advance by DD or Mumbai Cheque to: Calibre Communications.

Avail of Early Bird Discount and Save

Register by 25th Aug, 2011 and pay only ₹8,500 + 10.3% service tax = ₹9,375/= per participant.

Special Offer for Chemical Industry Digest Subscribers

₹8,000 + 10.3% service tax = ₹8,824/= per participant.

Kindly quote your/your company's subscription number while registering.

To make the workshop effective and interactive, only a limited number of participants will be accepted. So, please register immediately to avoid disappointment.

Registration: Use the form enclosed, fill up and courier to us with your payment. Please email/fax the form for immediate booking.

Cancellation: No cancellations will be entertained after 10th September, 2011. However, places are transferable.

Detailed Programme: The venue is in Mumbai [likely to be at Hotel Ramada, Juhu, Santacruz(W)]. Detailed programme with timings and exact venue will be sent on registration. On each day, the course will start at 9.30am with a one hour lunch break and half hour breaks in between for tea/coffee. The registration on the first day will start at 9am.

Force Majeure: In the event of unforeseen circumstances leading to cancellation of the event, amount will be refunded after deduction of expenses incurred.

The Organisers

Calibre Communications, a division of Blockdale, publishers of India's leading chemical and engineering monthly journal - CHEMICAL INDUSTRY DIGEST - is in the business of holding workshops and conferences on unit operations, processes & equipment such as industrial mixing, crystallisation, pumps, seals & packings, storage tanks, continuous distillation, waste heat recovery boilers, field instruments & transmitters, energy efficiency & savings in process industries, etc, since the past ten years. These workshops have served the crucial functions of re-education and upgrading of operating personnel and managers in process industries. All of these workshops/conferences have been remarkably successful.

Organisers

Calibre Communications

15, Purshottam, 21 J P Road, Nr Navrang Cinema,
Andheri (West), Mumbai-400 058

Tel: 022-26207402/2624 9725/32689321

Fax: 022-2625 4921

Email: bcid@vsnl.com/chemindigest@gmail.com

Website: www.chemindigest.com

Discuss Your Experiences

Participants are requested to send, in advance to us, details of your problems for discussion, giving specific technical data. Based on the course director's experiences and familiarity with the issues, some of these could be discussed during the course.



REGISTRATION FORM

10th Chemical Industry Digest 2-Day *Calibre* Workshop on **Pumps, Seals & Packings**

22nd & 23rd September 2011 - Mumbai

To,
Calibre Communications
15, Purshottam, 21 J P Road, Andheri (W)
Near Navrang Cinema, Mumbai-400058.

Please reserve a place for the above Course as per details given below:

Name: Dr/Mr/Ms _____

Designation: _____

Company Name: _____

Address: _____

Tel: _____ Fax: _____ Mob: _____

Email: _____

My food requirements are: Vegetarian Non-vegetarian (✓Tickmark)

Cost: ₹9,000 + 10.3% service tax = ₹9,927/= per delegate for the two days.

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Please find enclosed herewith DD/Mumbai Cheque No. _____
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