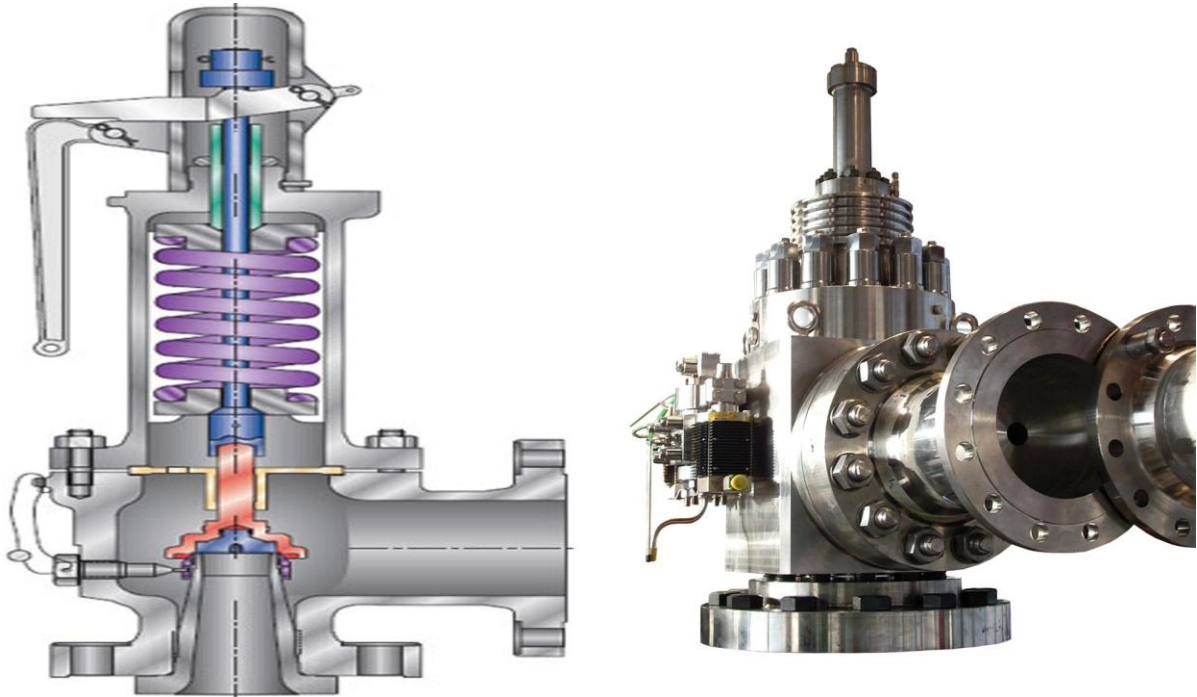


Safety Relief Valve- Selection, Operation & Troubleshooting



Course Dates & Venues: 15<sup>th</sup> June – 17<sup>th</sup> June 2015 - Dubai, UAE



## **PROGRAM DESCRIPTION**

### **Safety Relief Valve- Selection, Operation & Troubleshooting.**

Within the boiler, piping and pressure vessel industry, safety relief valves are of most essential importance. Pressure relief valves are the last line of defense against catastrophic failure or even loss of life. The course covers safety valve types and designs, materials, specification and selection, preventive maintenance procedures, operation and troubleshooting.

A number of different instructional methods are used throughout the course to allow interactive learning and to give practical examples from manufacturing and service industry to enable the delegates to operate, select and troubleshoot safety valves upon course completion.

### **WHO SHOULD ATTEND**

Process engineers involved in design, selection and operation of plants. Mechanical, inspection, maintenance engineers. Technicians involved in operation, inspection, maintenance, troubleshooting of piping systems & valves. Plant and equipment design engineers working with engineering/ Construction, process plant and equipment.

Delegates will gain essential and integrated knowledge about pressure equipment and piping systems design and the significance of appropriate design, operation and maintenance on their mechanical integrity.

### **WHAT YOU WILL LEARN**

**Upon the successful completion of the course, participants will be able to:**

- ✓ Familiarize participants with the functions and applications of safety relief valves, their types, designs and components.
- ✓ Train participants to install, disassemble, troubleshoot, clean, inspect, align, and reassemble a variety of safety valves
- ✓ Enable appropriate safety valve sizing and selection for liquid, gas and vapor applications
- ✓ To increase the participant's awareness and understanding that the mechanical integrity of relief valves depends jointly on the proper design, operation, condition assessment, and maintenance of the equipment.
- ✓ To provide the participants with a clear understanding of the degradation mechanisms that relief valves could be subjected to over their operating life, how to identify them, predict and determine their impact, and what appropriate measures can be taken to prevent and control the resultant damage.
- ✓ To provide the participants with the knowledge and failure analysis skills they need to conduct damage and failure analysis so as to prevent similar failures from happening.

**“Gain complete understanding of key issues affecting the operation of Safety Relief Valves”**

**“Understand the maintenance & testing of Safety Relief Valves”**

**“Attend this knowledge – packed workshop & become a SRV operation, maintenance & troubleshooting specialist”**

## WHY TRAIN WITH US

IPEBS team develops the training programs based on the practical consulting and site construction expertise that has been built up over the years in various specialist areas.

We set out to teach top-quality engineering skills training courses and we have achieved this - we constantly strive to make them as good as it's possible to - but over the years we have also refined our methods, adding several enhancements to the construction stages of course description, design of the courses and assessment.

We believe that these are important to our training participants; it's easy to see what the courses consist of, what value they will gain from attending them and how they can apply their new knowledge and skills in their workplace in a structured, evidence-rich way.

**"POWER YOUR CAREER  
FORWARD WITH IPEBS  
SPECIALIZED TRAINING  
COURSES"**

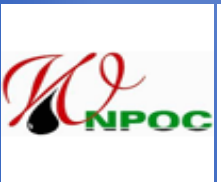
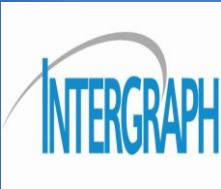


## WORKSHOP OVERVIEW

### Safety Relief Valves – Operation, Selection & Troubleshooting

- ❖ Safety Valves History & Overpressure Protection
- ❖ Pressure Relief Devices
- ❖ Introduction to Safety Valves
- ❖ Pressure Relief Valves ( Safety Valve, Relief Valve, Safety Relief Valve)
- ❖ Safety Valve Selection
- ❖ Installation Design
- ❖ Installation onto Systems
- ❖ Safety Valve Management
- ❖ Testing , Maintenance and Resetting
- ❖ Safety Valve Disposal
- ❖ Sizing Basics
- ❖ Pressure Terminology
- ❖ Identification/Specification of Safety Valves
- ❖ Rupture Discs
- ❖ Safety Valve Storage
- ❖ Selection & Sizing of Safety Valves
- ❖ API Recommended Practices

## SELECTED CLIENTS



## GENERAL INFORMATION:

- Workshop begins at 8:00 AM and ends at 5:00 PM. Participants are expected to be present each day and during all training periods. Participants who do not fulfill the attendance requirement will not be certified. Please remember this when making your travel arrangements.
- Workshop will be conducted in 4 star or 5 star hotels.
- Exact venue of the workshop will be notified 2 weeks prior to the start date.
- Participant fee includes course material (containing all slides and presentation handouts), participation certificate, Coffee/Tea/Snacks on arrival, morning & afternoon and buffet luncheon.
- Accommodation can be arranged for the participants at the workshop venue (accommodation is not included in the participants fee).
- The workshop is restricted to registered participants only. Visitors are not permitted.
- Workshop attendance certificate will be issued to all participants.
- Use of mobile phones, Personal Data Assistants (PDA, Blackberry) and pagers is not permitted during workshop training periods. Same applies for use of laptop, tablet, and computer for any purpose (E-mail, games etc.) other than workshop training.
- The recommended attire is business casual.
- Participants are expected to maintain a professional standard of appearance and behavior. Any participant wearing inappropriate attire or behaving in an unprofessional manner will be given a verbal warning. Further incidents may result in the participant being asked to leave the class without refunding their fee.
- Failure to meet or comply with these requirements will result in non-certification.



## ABOUT IPEBS

*“ Energizing Engineering – Empowering Engineers”*

IPEBS is a premium professional training service provider based in Hyderabad, India.

IPEBS has expertise in providing knowledge packed training courses relating to Plant Engineering with specialized training programs in Mechanical, Electrical, Instrumentation & Control, Civil/Structural, Process Engineering & Projects Management.

IPEBS core team comprises of Internationally renowned course speakers and domain specialists.

People behind IPEBS have trained thousands of engineers/draftman from all over the Globe.

IPEBS trainers are Subject Matter Experts with real time Consulting & Construction experience.

## **INSTRUCTOR PROFILE**

**Mohammed Ifteqaruddin**

***Associate Degree in Mechanical Engineering (LME)***

***Professional Member– ASME (American Society of Mechanical Engineers)***

Mr. Ifteqar has more than 33 years of professional experience in line with Safety Relief Valve (SRV), maintenance, sizing, operation & selection, and trainings with the world’s biggest oil & refinery plant owner Saudi Aramco based in Kingdom of Saudi Arabia. He is an officially approved Safety Relief Valve Test Conductor.

He has attended various technical courses related to Safety Relief Valve, with the following manufacturers including

- Dresser – Consolidated - Boiler Safety Valve.
- Tyco – Crosby – Pentair – Safety Relief Valve.
- Anderson – Greenwood – Pilot Operated Relief Valve.
- National Board (NB) Seminar of Safety Relief Valves in USA.

Mr. Ifteqar holds an Associate Degree in Mechanical Engineering and is a professional member of ASME.

He is an excellent communicator with memberships of International Toastmaster and CC – Competent Communicator – Professional Societies. Additionally he holds Masters in Psychology and English Literature.

Mr. Ifteqar was responsible for maintenance, troubleshooting, operation, selection of Safety Relief Valves for all the Saudi Aramco Refinery Plants. He was also responsible for training the operation & maintenance staff in all the oil & gas plants.

## **PARTICIPANT FEES:**

Safety Relief Valves – Operation, Selection & Troubleshooting	Early Registration	Late Registration	Group Discounts
	<i>At least 45 Days Prior to start of class</i>	<i>Less than 45 days prior to start of class</i>	
3- Day Workshop	1800 US \$	2000 US \$	2 or more at 5% off 5 or more at 7% off 8 or more at 10% off
Account Name: IPEBS Branch Name : Charminar, Andhra Pradesh Hyderabad, India. Swift Code: HDFCINBB All bank charges to be borne by payer. Please ensure that IPEBS receives the full invoiced amount.			Account No : 03182020005287 Bank Name : HDFC Group discounts are not applicable for Early registrations or any other discount
Interested in Onsite training - save over 40% off in total fees, for further information on Onsite training please contact, E-mail : <a href="mailto:corptrain@ipebs.in">corptrain@ipebs.in</a> Phone- +9140- 30623249 Mobile- +91 9885946711			

## **Terms & conditions:**

**CANCELLATIONS & SUBSTITUTIONS:** Cancellations done 5-29 days prior to the course start date a minimum charge of 50% of the total fee will be charged. Cancellation done 30 days prior to the course start date a minimum charge of 25% of the total fee will be charged. No cancellations are accepted 4 Days before the course start date. However, credit maybe granted to a later workshop or you could send a substitute participant. After registration you may substitute a participant anytime.

**COURSE MATERIAL AGREEMENT:** It is the intention of IPEBS that the course text and materials supplied to participants at IPEBS courses are prepared and issued for the participants' sole use. Codes and standards constantly change and interpretations are issued by the publishing societies. Information contained in IPEBS course materials is based on the best available data obtained by IPEBS at the time of publication. IPEBS is in no way responsible for subsequent use regardless of intention.

**PROGRAM CHANGE POLICY:** Please note that instructors and topics were confirmed at the time of publishing this document; however, circumstances beyond the control of the workshop organizers may necessitate substitutions, alterations or cancellations of the instructors and/or topics. As such, IPEBS reserves the right to alter or modify the instructors and/or topics if necessary. Any substitutions or alterations will be updated on our web site.

**COURSE CANCELLATION BY IPEBS:** IPEBS reserves the right to cancel any WORKSHOP/course due to circumstances beyond our control. All tuition fees will be refunded in the event of cancellation. IPEBS liability is limited to only those tuition fees paid in advance.

**FORCE MAJEURE:** Except for the obligations to make money payments as outlined hereunder, neither party shall be responsible to the other for delay or failure to perform any of the terms and conditions, or other activities, of this agreement if such delay or failure is caused by strike, war, act of God, or force majeure.

## REGISTRATION

Please print or type clearly & use separate form for each Participant.

Please visit [www.ipebs.in](http://www.ipebs.in) for details on courses we offer and more updated information. You can also register online.

For applications by E-mail, please fill the form below and send to [register@ipebs.in](mailto:register@ipebs.in)

### Course Title: Safety Relief Valves – Operation, Selection & Troubleshooting

COURSE DATE: \_\_\_\_\_ COURSE LOCATION: \_\_\_\_\_

NAME: \_\_\_\_\_

QUALIFICATION: \_\_\_\_\_ WORK EXPERIENCE (if any): \_\_\_\_\_

JOB TITLE: \_\_\_\_\_ COMPANY: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

CITY: \_\_\_\_\_ STATE: \_\_\_\_\_ POSTAL CODE: \_\_\_\_\_ COUNTRY: \_\_\_\_\_

PHONE: \_\_\_\_\_ FAX: \_\_\_\_\_ EMAIL: \_\_\_\_\_

#### In case of Emergency, contact

NAME: \_\_\_\_\_ PHONE: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

EMAIL: \_\_\_\_\_

**NOTE: Registrations are not confirmed until full payment is received, course confirmation will be sent via Email.**

I, acknowledge to the terms & conditions of the organizer.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

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