

TECHNICAL WEBINARS

**BASIC PROGRAM ON
SKILL DEVELOPMENT**



The Voice of Indian Valve Industry

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WEBINAR SERIES

BASIC PROGRAM

Basics of Valves and Pipes

Brief history of Valves; Basics of Pipes;
Different functions of Valves; Basic
principles of flow control; Basic types of
valves; valve size and pressure rating;
special and intermediate classes;
Definition of Valve terminologies.

1

2

Different Types of Valves and Selection

Different types of valves: Gate, Globe,
Check, Floating ball, Trunnion mounted
ball; Butterfly; Plug; Diaphragm;
Applicable standards; Advantages and
limitations of each type; Basis for
selection of particular valve type

Codes and Standards for Valves & Actuators

Boiler disasters; Boiler codes; Safety
and Interchangeability;
Standardization bodies; Different
end connections; Face-to-face
dimensions; Material standards;
Standards for valves & actuators;
Metrification; Standards for
pressure testing; Functional
qualification testing; Customers'
specifications; Applicability of
standards.

3

WEBINAR SERIES

BASIC PROGRAM

Materials of Construction for Valve Shell Components

Engineering materials; Different forms of materials; Advantages & limitations; Pressure containing components; Cast iron, Ductile iron, Carbon steels, Low alloy steels, Alloy steels & Stainless steels; Special & exotic materials; Temperature limitations; NACE Requirements; Selection of materials.

4

Materials of Construction for Valve Trim & Sealing Components

Trim components and codifications as per API; Trim materials; Sealing components – Gaskets and packing; Elastomers and plastics; Temperature limitations.

5

Valve Operation

Manual operation; Indicator; Locking Arrangements; Interlocking; Extension Spindle; Buried Application; Gear Operation and Power operation

6

Pressure Testing of Valves

Applicable Standards; Shell test; Seat test; Hydrostatic and pneumatic test; Torque test; Supplementary tests; Remote inspection; Site tests

7

GENERAL GUIDELINES

- These webinars shall be conducted using Microsoft Teams Meeting platform.
- Normally the webinar shall be for 90 to 110 minutes followed by 10 minutes for questions and answers.
- Certificate shall be issued to participants who attend all 7 webinars of Basic Program and qualify the examination.

PARTICIPATION FEE*

MEMBER COMPANIES	NON-MEMBER COMPANIES
₹ 1500 PER WEBINAR	₹ 2000 PER WEBINAR
₹ 9000 ALL 7 WEBINARS	₹ 12000 ALL 7 WEBINARS
₹ 8000 5 OR MORE PARTICIPANTS FOR ALL 7 WEBINARS	₹ 10500 5 OR MORE PARTICIPANTS FOR ALL 7 WEBINARS
₹ 7000 10 OR MORE PARTICIPANTS FOR ALL 7 WEBINARS	₹ 9000 10 OR MORE PARTICIPANTS FOR ALL 7 WEBINARS
₹ 6000 FOR ALL 7 WEBINARS EXCLUSIVE FOR A COMPANY (20-30 PARTICIPANTS)	

*Charges are on per participant basis. 18% GST applicable for all fees

FOR FURTHER DETAILS, CONTACT

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