



QUALITY CIRCLE FORUM OF INDIA
ANKLESHWAR CHAPTER
PHARMACEUTICAL WING

Organizing

Two days' Training Programme

on

**DESIGN, QUALIFICATION,
VALIDATION & MAINTENANCE**

ASPECT OF

PURIFIED WATER SYSTEM



Date: 26th & 27th June, 2026

Experts: Mr. Bharat Bhamre
Mr. Prakash Mehta

About the Training:

Purified Water Systems is among the most critical utility systems in pharmaceutical manufacturing facilities. Proper design, qualification, validation, operation, sanitization, and maintenance of this system is essential to ensure compliance with GMP requirements and product quality.

This comprehensive two-day training program is specially designed for pharmaceutical professionals involved in engineering, quality assurance, production, maintenance, projects, and regulatory compliance department.

The training will provide knowledge regarding regulatory expectations and industry best practices, case studies, troubleshooting approaches, and documentation requirements related to Purified Water System.

Training Objectives:

Participants will gain understanding on:

- Basics and regulatory expectations of Purified Water System
- Water quality standards as per pharmacopeias
- Design philosophy and engineering considerations
- Selection of system components and materials of construction
- Distribution loop design and sanitization concepts
- Qualification stages: DQ, IQ, OQ & PQ
- Validation approach and lifecycle management
- Sampling plans and monitoring strategies
- Preventive maintenance practices
- Common deviations, investigations, and CAPA
- Documentation and compliance requirements
- Audit preparedness and data integrity expectations

Audience:

- Senior & Middle Management professional engaged in pharmaceutical manufacturing industries.

Experts:



Mr. Bharat Bhamre

**Mechanical Engineer
Associated with
Pharmaceutical
industries since 40
years**



Mr. Prakash Mehta

**Associated with
Pharmaceutical industries
since 40 years**

Course Agenda:

Day 1	
08:45 to 09:00	Breakfast & Registration
09:00 to 09:30	Inauguration of Training workshop
09.30 to 09.45	Design & Engineering Aspects of Purified Water System
09:45 to 10:00	Fundamentals of Pharmaceutical Water Systems <ul style="list-style-type: none"> • Types of pharmaceutical water
10.00 to 11.30	Feed water considerations, <ul style="list-style-type: none"> • Pretreatment systems • RO, EDI, UV, UF systems • Storage and distribution concepts
11:30 to 11:45	Tea - Break
11.45to 13.00	Material of Construction & Piping Design <ul style="list-style-type: none"> • SS316L requirements • Surface finish requirements • Welding considerations • Dead leg control • Slope and drainability
13.00 to 13.45	Lunch Break
13.45 to 15.45	<ul style="list-style-type: none"> • Videos on Purified Water System
15.15 to 15.30	Tea Break
15.30 to 17.00	Sanitization & Control Strategies
17:00	Closure
Day 2	
08:45 to 09:00	Breakfast
09:00 to 09:30	Qualification, Validation & Maintenance of Purified Water System
09.30 to 11.30	Qualification Approach <ul style="list-style-type: none"> • Design Qualification (DQ) • Installation Qualification (IQ) • Operational Qualification (OQ) • Performance Qualification (PQ)

11.30 to 11.45	Tea Break
11.45 to 12.30	Validation Lifecycle: <ul style="list-style-type: none"> • Validation master plan • Sampling strategy
12.30 to 13.00	Documentation Requirements: <ul style="list-style-type: none"> • SOPs • Protocols and reports • Logbooks • Calibration and maintenance records • Data integrity expectations
13.00 to 13.45	Lunch Break
13.45 to 15.15	<ul style="list-style-type: none"> • Videos on Purified Water System
15.15 to 15.30	Tea Break
15.30 to 16.00	Maintenance & Troubleshooting: <ul style="list-style-type: none"> • Preventive maintenance planning • Common failures and troubleshooting • Loop maintenance practices
16.00 to 16.45	Valedictory function
16.45 to 17.00	Feedback and Certificate Distribution
17:00	Closure

Schedule & Venue:

- **Date:** 26th & 27th June, 2026
- **Time:** 09:00 am to 05:00 pm
- **Venue:** **Quality Circle Forum of India – Ankleshwar Chapter,**
1st Floor, Ambica NX, Opp. State Bank of India, Chauta Naka, Ankleshwar.

Certificate:

- Certificate will be awarded to the participants at the end of the training programme.

Fees:

- Rs.3000/- per participant + GST @ 18% = Rs.3,540/-.
- Course Fee includes training material, Tea/Snacks & working Lunch.
- This workshop is a non-residential Workshop.

Registration Process:

- Registration can be acknowledged on qcfi.ank@gmail.com
- Call on 9377434079 / 9898330258 for any additional information.
- Request to prepare Demand draft or Cheque in favour of “Quality Circle Forum of India, Ankleshwar ” and can be submitted at following address.

QUALITY CIRCLE FORUM OF INDIA,
Ankleshwar Chapter
1st Floor, Ambica NX, Opp. State Bank of India,
Chauta Naka, Ankleshwar.
Dist.: Bharuch (Gujarat)

- GST number and Bank details shall be provided for payment through NEFT at qcfi.ank@gmail.com, if requested.