



Title: Operation of Ultrapure Water System

SOP No.:		Revision No.:	00
Effective Date:		Supersedes No.	Nil
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1.0 OBJECTIVE :

To lay down a procedure for Operation of Ultra Pure Water System.

2.0 SCOPE :

This SOP is applicable to Operation of Ultra Pure Water System in Quality Control.

3.0 RESPONSIBILITY :

Officer, Executive – Quality Control.

Head – Quality Control

4.0 Procedure:

4.1 START UP:

4.1.1 Switch the system on.

4.1.2 In the start selection menu choose “flush”.The system flushes and switches into operation mode.

4.1.3 In operation mode press the menu button.

4.1.4 Pull the dispenser,hold it over a beaker and open the dispenser.

4.1.5 To deaerate the system open the deaeration screw of the module 2052 (sterile filter).Let it open until water spills out free of air.Subsequently close the deaeration screw .

4.1.6 Close the dispenser and hang it back into its holder.

4.1.7 The system is ready for operation.

4.2 OPERATION:

4.2.1 Operation Display

4.2.2 Quality Q1:deionized feed water[$\mu\text{S}/\text{cm}$]

4.2.3 Quality Q2:product water [$\mu\text{S}/\text{cm}$, $\text{M}\Omega\text{cm}$]

4.2.4 Tamp:Product water temperature[$^{\circ}\text{C}$]

4.2.5 TOC:TOC concentration [ppb] (TM systems only)

4.3 Note:

4.3.1 Parameter in each row can be chosen individually.

4.3.2 Standby display

4.3.3 Q1 measurement is off after dispensing.



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4.4 Pressing the ↑-button displays the current system status like

- 4.4.1 Pressure (RO pressure)
- 4.4.2 Q1(pretreated feed water quality)
- 4.4.3 Q2(permeate quality)
- 4.4.4 Q3(product water quality)
- 4.4.5 Temperature (of product water)
- 4.4.6 FT5.1(product water flow)
- 4.4.7 Pressing the ↓-button bring back the operation display.

5.0 ANNEXURE (S):

Nil

6.0 REFERNCE (S):

SOP: Preparation, Approval, Distribution control, revision and destruction of Standard operating Procedure (SOP).

7.0 ABBREVIATION (S)/DEFINITION (S):

SOP : Standard Operating Procedure

REVISION CARD

S. No.	REVISION No.	REVISION DATE	DETAILS OF REVISION	REASON (S) FOR REVISION	REFERENCE CHANGE CONTROL No.
1	00	----	----	New SOP	----