



quickllab

**A Robust Water Purification Solution That
Delivers High Quality Construction in a
Cost Effective Turn-Key Package.**

Engineered specifically for users who require lower volumes
while maintaining mandatory water quality.

PPT Pure
Process
Technology

www.pureprocesstechnology.com

450 Plus

SYSTEM SPECIFICATIONS

PERFORMANCE

RO Production Rate	2 GPM
Recovery Rate	70%
RO Reject Rate	95% - 97%
Water Quality	ASTM Type III
Conductivity	> 4M Ω - cm
TOC	<200ppb $\mu\text{g/L}$
Sodium	<10 $\mu\text{g/L}$
Chlorides	<10 $\mu\text{g/L}$
Total Silica, Max	<500 $\mu\text{g/L}$

FEEDWATER REQUIREMENTS

Hardness	<150 ppm
Total Chlorine	0.5 ppm max
Silica	<30 ppm
Temperature	1-30 °c

Please ensure feedwater meets the specifications. PPT offers a range of options should it be necessary. Consult the factory with questions.

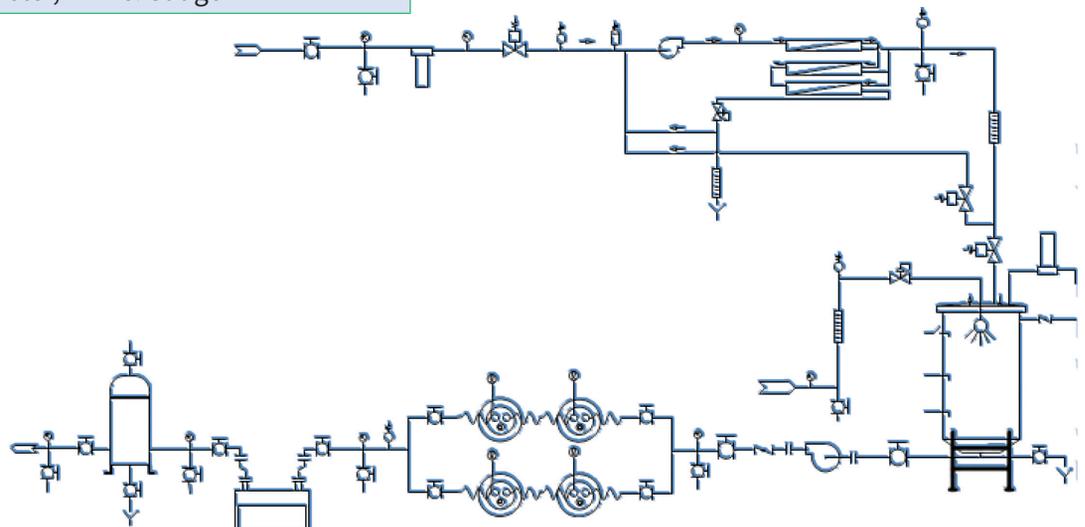
FEATURES

Piping Pre-RO	SCH80 PVC
Piping Post RO	PPL Socket Fusion
Storage Tank	250 Gal. 0.2 μ Filter, Spray Ball, Overflow
Distribution Pump	20 GPM @ 50PSI (Max 600' Loop)
UV	254nm, Monitor, Intensity
Final Filter	Multi-Cartridge, SS, 0.2 μ Filter
Conductivity	Loop Out & Loop Return
Return Piping	Flow meter, BPR & Gauge

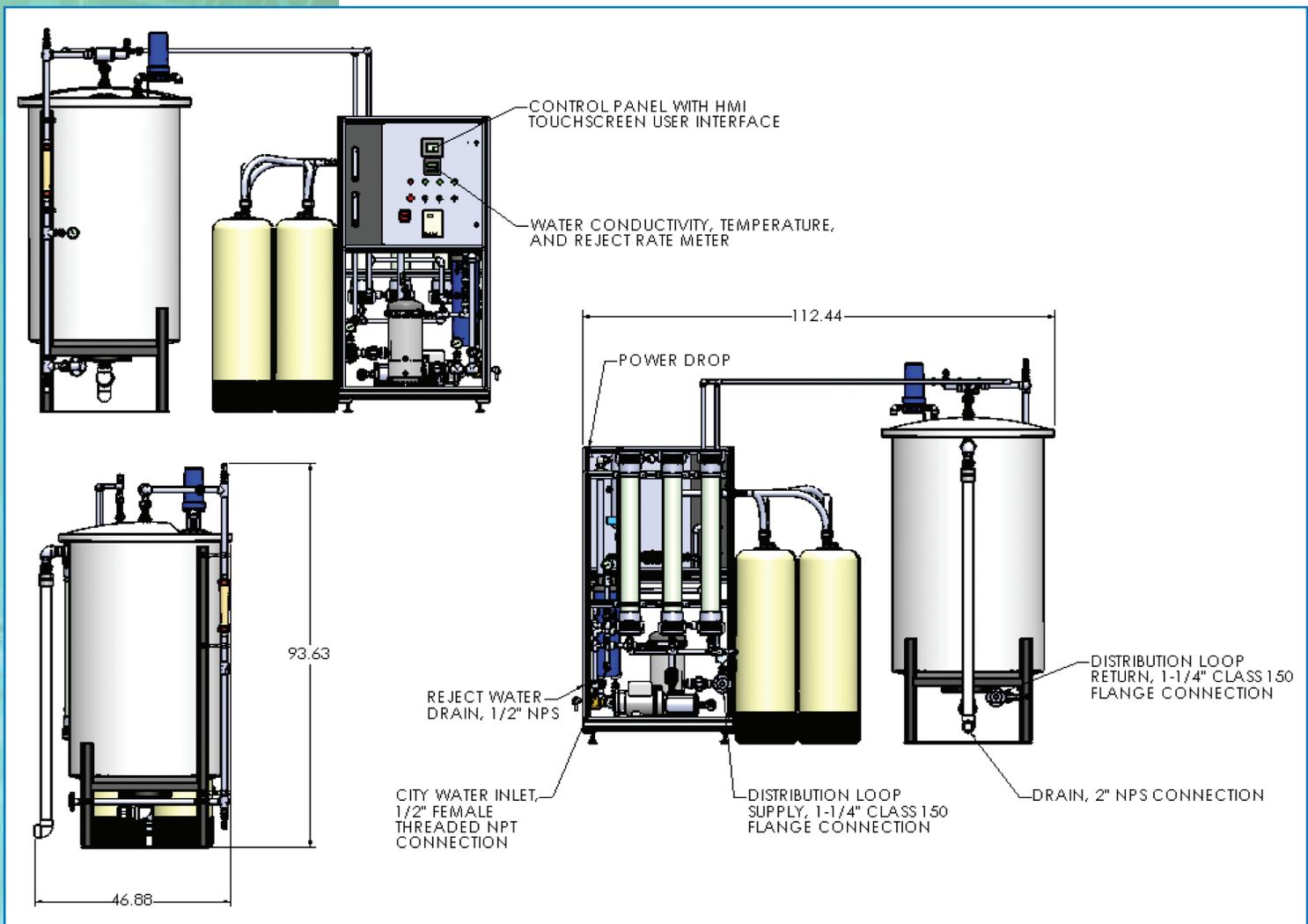


BENEFITS INCLUDE

- ASTM Type III Water Quality
- PLC/HMI Controls (UL listed panel)
- Structural Aluminum Skid Frame
- Hard Piping - No Inferior connections
- High Recovery / Reject Rates
- Small Footprint
- Easy Installation



QuickLab 450 Plus - System Specification



UTILITY REQUIREMENTS

City Water Flow	6 GPM
City Water Pressure	30-60 PSI
Power	480 3p, 15A
Inlet Connection	1/2" NPT
Drain Connection	1 1/2" NPT
Supply Loop Connection	40mm (1 1/4") PPL Socket Fusion
Return Loop Connection	40mm (1 1/4") PPL Socket Fusion
Installed Footprint	12'W x 4'D x 7'H

450

SYSTEM SPECIFICATIONS

PERFORMANCE

RO Production Rate	2 GPM
Recovery Rate	70%
RO Reject Rate	95% - 97%
Water Quality	RO Water
Conductivity	10-40 $\mu\text{s}/\text{cm}$ (based on inlet $<750 \mu\text{s}/\text{cm}$)
For TOC, Sodium, Chlorides, and Total Silica - Performance based on inlet concentration. Contact PPT for evaluation.	

FEEDWATER REQUIREMENTS

Hardness	$<150 \text{ ppm}$
Total Chlorine	0.5 ppm max
Silica	$<30 \text{ ppm}$
Temperature	1-30 $^{\circ}\text{C}$

Please ensure feedwater meets the specifications. PPT offers a range of options should it be necessary. Consult the factory with questions.

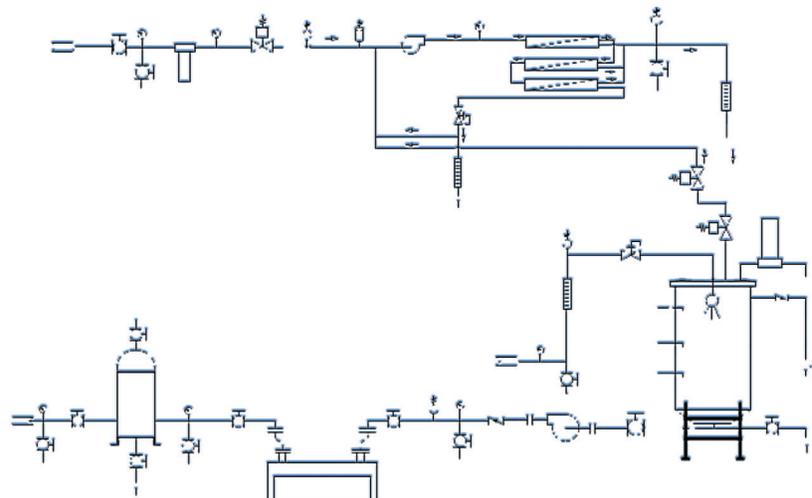
FEATURES

Piping Pre-RO	SCH80 PVC
Piping Post RO	PPL Socket Fusion
Storage Tank	250 Gal. 0.2 μ Filter, Spray Ball, Overflow
Distribution Pump	20 GPM @ 50PSI (Max 600' Loop)
UV	254nm, Monitor, Intensity
Final Filter	Multi-Catridge, SS, 0.2 μ Filter
Conductivity	Loop Out & Loop Return
Return Piping	Flowmeter, BPR & Gauge

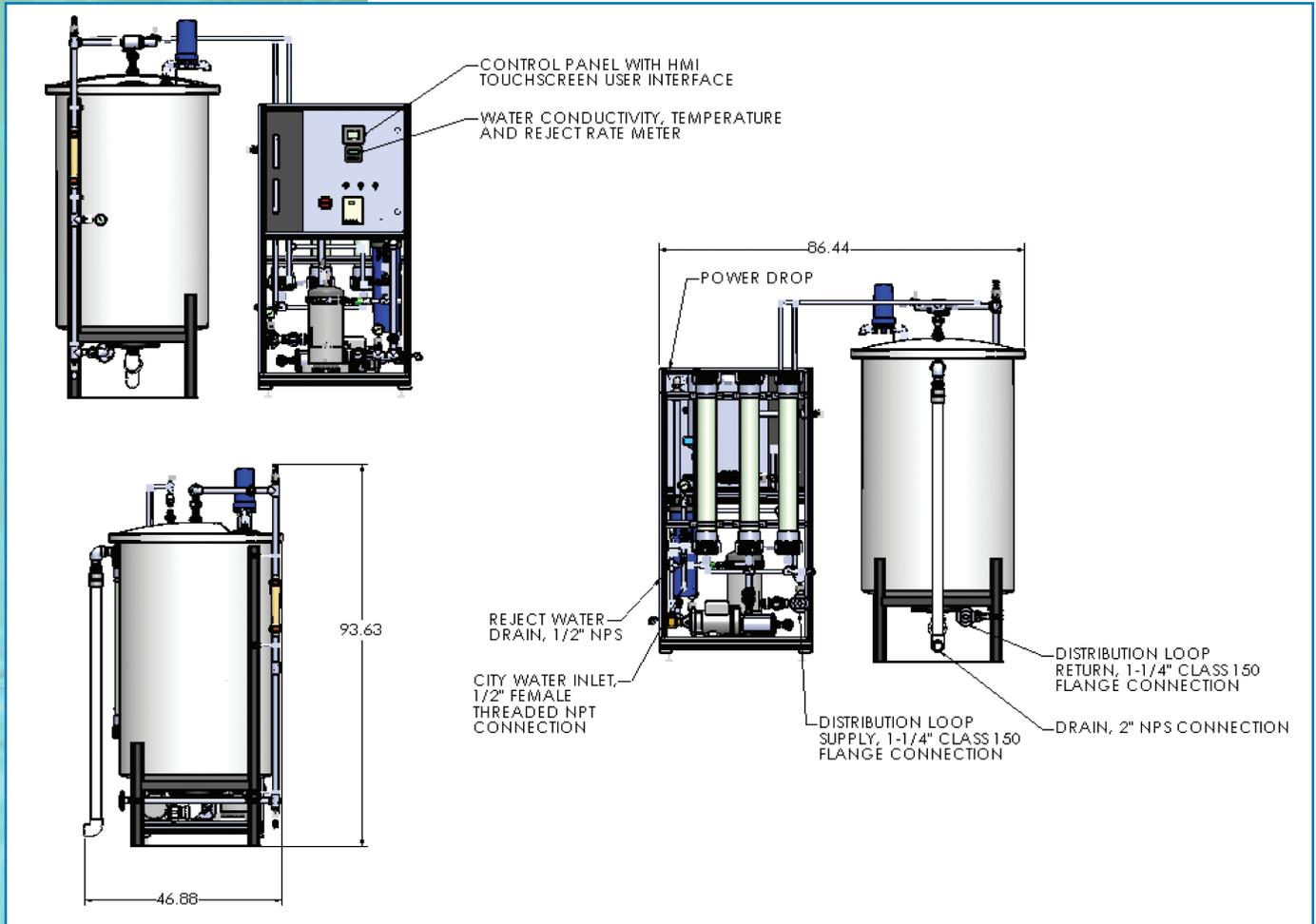


BENEFITS INCLUDE

- PLC/HMI Controls (UL listed panel)
- Structural Aluminum Skid Frame
- Hard Piping - No Inferior connections
- High Recovery / Reject Rates
- Small Footprint
- Easy Installation



QuickLab 450 - System Specification



UTILITY REQUIREMENTS

City Water Flow	6 GPM
City Water Pressure	30-60 PSI
Power	480 3p, 15A
Inlet Connection	1/2" NPT
Drain Connection	1 1/2" NPT
Supply Loop Connection	40mm (1 1/4") PPL Socket Fusion
Return Loop Connection	40mm (1 1/4") PPL Socket Fusion
Installed Footprint	8'W x 4'D x 7"H

275 Plus

SYSTEM SPECIFICATIONS

PERFORMANCE

RO Production Rate	1.25 GPM
Recovery Rate	70%
RO Reject Rate	95% - 97%
Water Quality	ASTM Type III
Conductivity	> 4MΩ - cm
TOC	<200ppb µg/L
Sodium	<10 µg/L
Chlorides	<10 µg/L
Total Silica, Max	<500 µg/L

FEEDWATER REQUIREMENTS

Hardness	<150 ppm
Total Chlorine	0.5 ppm max
Silica	<30 ppm
Temperature	1-30 °c

Please ensure feedwater meets the specifications. PPT offers a range of options should it be necessary. Consult the factory with questions.

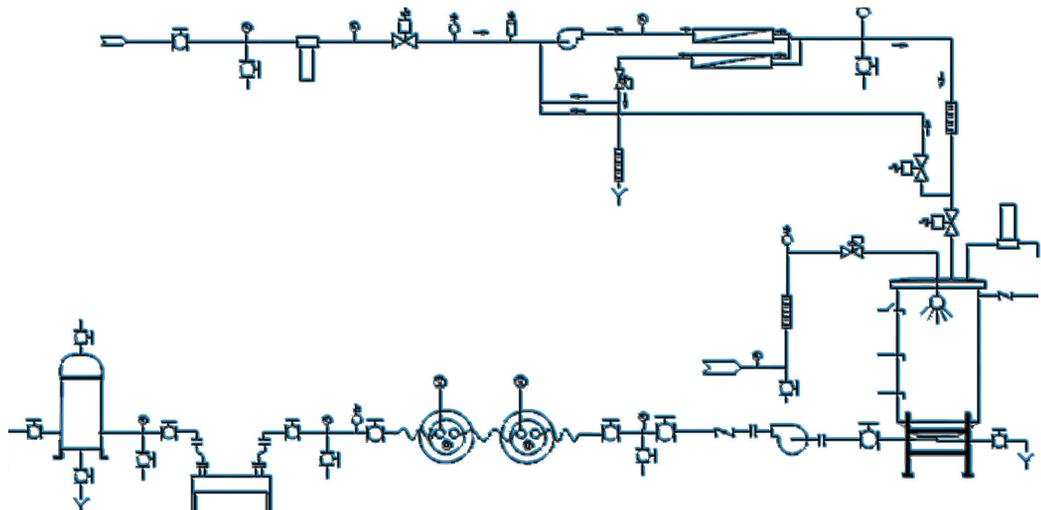
FEATURES

Piping Pre-RO	SCH80 PVC
Piping Post RO	PPL Socket Fusion
Storage Tank	250 Gal. 0.2µ Filter, Spray Ball, Overflow
Distribution Pump	12 GPM @ 50PSI (Max 600' Loop)
UV	254nm, Monitor, Intensity
Final Filter	Multi-Cartridge, SS, 0.2µ Filter
Conductivity	Loop Out & Loop Return
Return Piping	Flow meter, BPR & Gauge

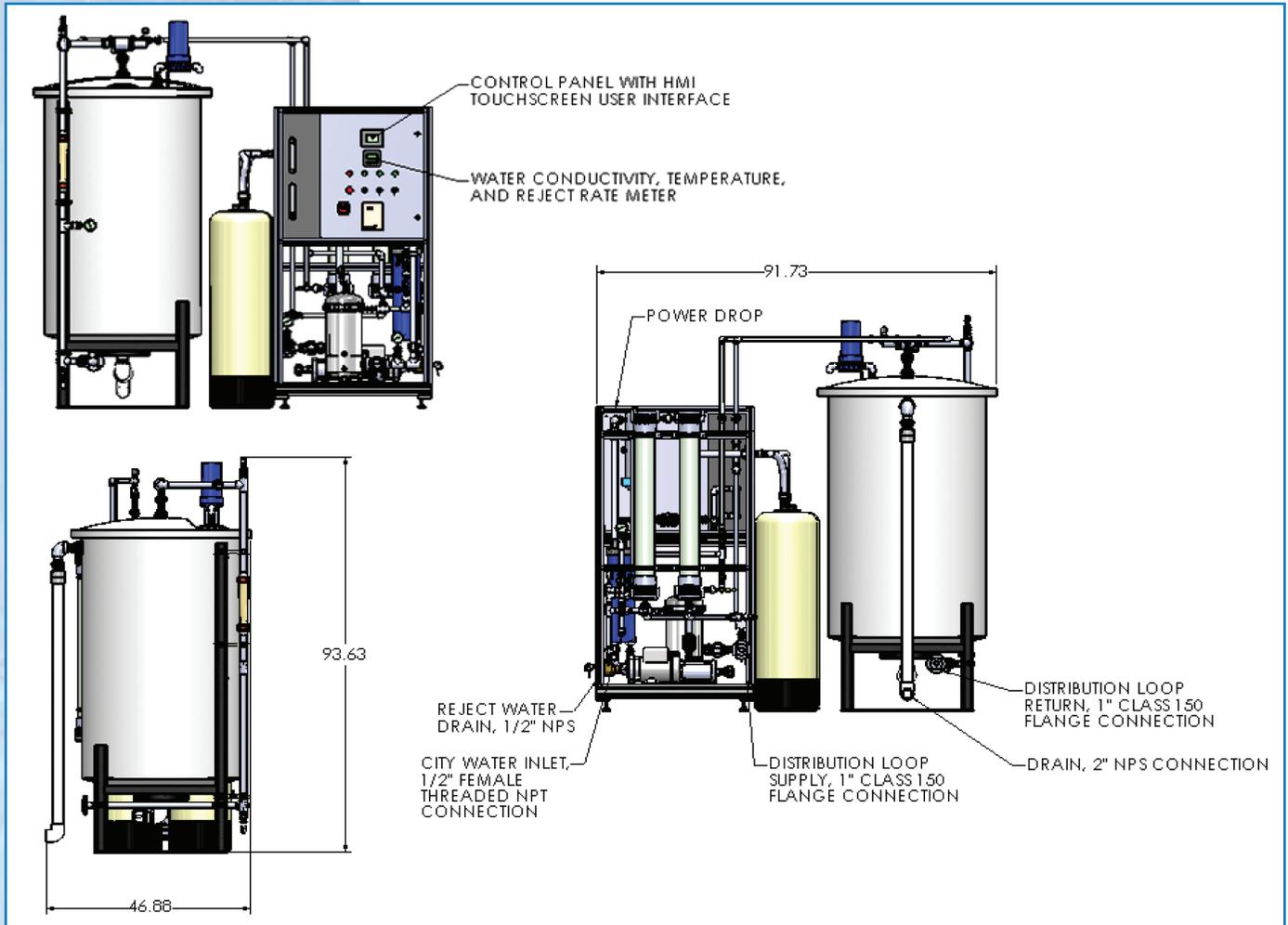


BENEFITS INCLUDE

- ASTM Type III Water Quality
- PLC/HMI Controls (UL listed panel)
- Structural Aluminum Skid Frame
- Hard Piping - No Inferior connections
- High Recovery / Reject Rates
- Small Footprint
- Easy Installation



QuickLab 275 Plus - System Specification



UTILITY REQUIREMENTS

City Water Flow	4 GPM
City Water Pressure	30-60 PSI
Power	480 3p, 15A
Inlet Connection	1/2" NPT
Drain Connection	1 1/2" NPT
Supply Loop Connection	32mm (1") PPL Socket Fusion
Return Loop Connection	32mm (1") PPL Socket Fusion
Installed Footprint	10'W x 4'D x 7'H

quicklab_{275 Plus}

Pure Process Technology

25 Front St., Suite 303, Nashua, NH 03064
603.598.0691 pureprocesstechnology.com

275

SYSTEM SPECIFICATIONS

PERFORMANCE

RO Production Rate	1.25 GPM
Recovery Rate	70%
RO Reject Rate	95% - 97%
Water Quality	RO Water
Conductivity	10-40 $\mu\text{s}/\text{cm}$ (based on inlet $<750 \mu\text{s}/\text{cm}$)
For TOC, Sodium, Chlorides, and Total Silica - Performance based on inlet concentration. Contact PPT for evaluation.	

FEEDWATER REQUIREMENTS

Hardness	$<150 \text{ ppm}$
Total Chlorine	0.5 ppm max
Silica	$<30 \text{ ppm}$
Temperature	1-30 $^{\circ}\text{C}$

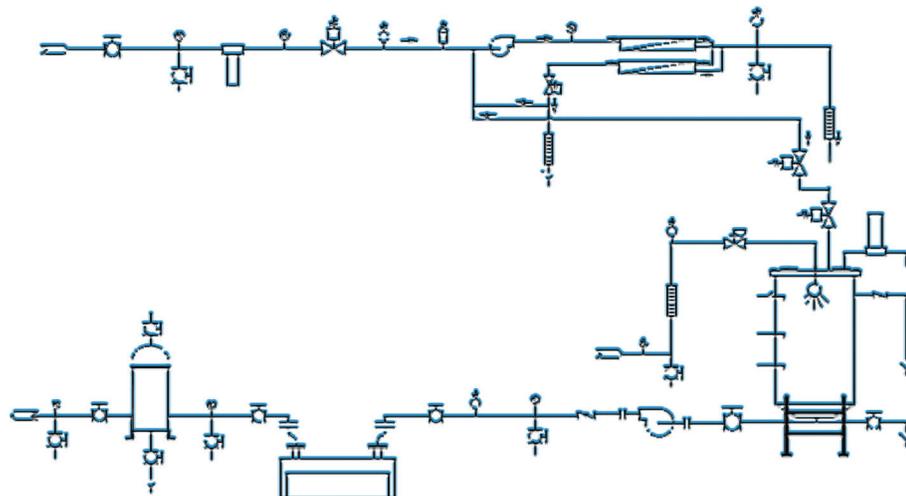
Please ensure feedwater meets the specifications. PPT offers a range of options should it be necessary. Consult the factory with questions.

FEATURES

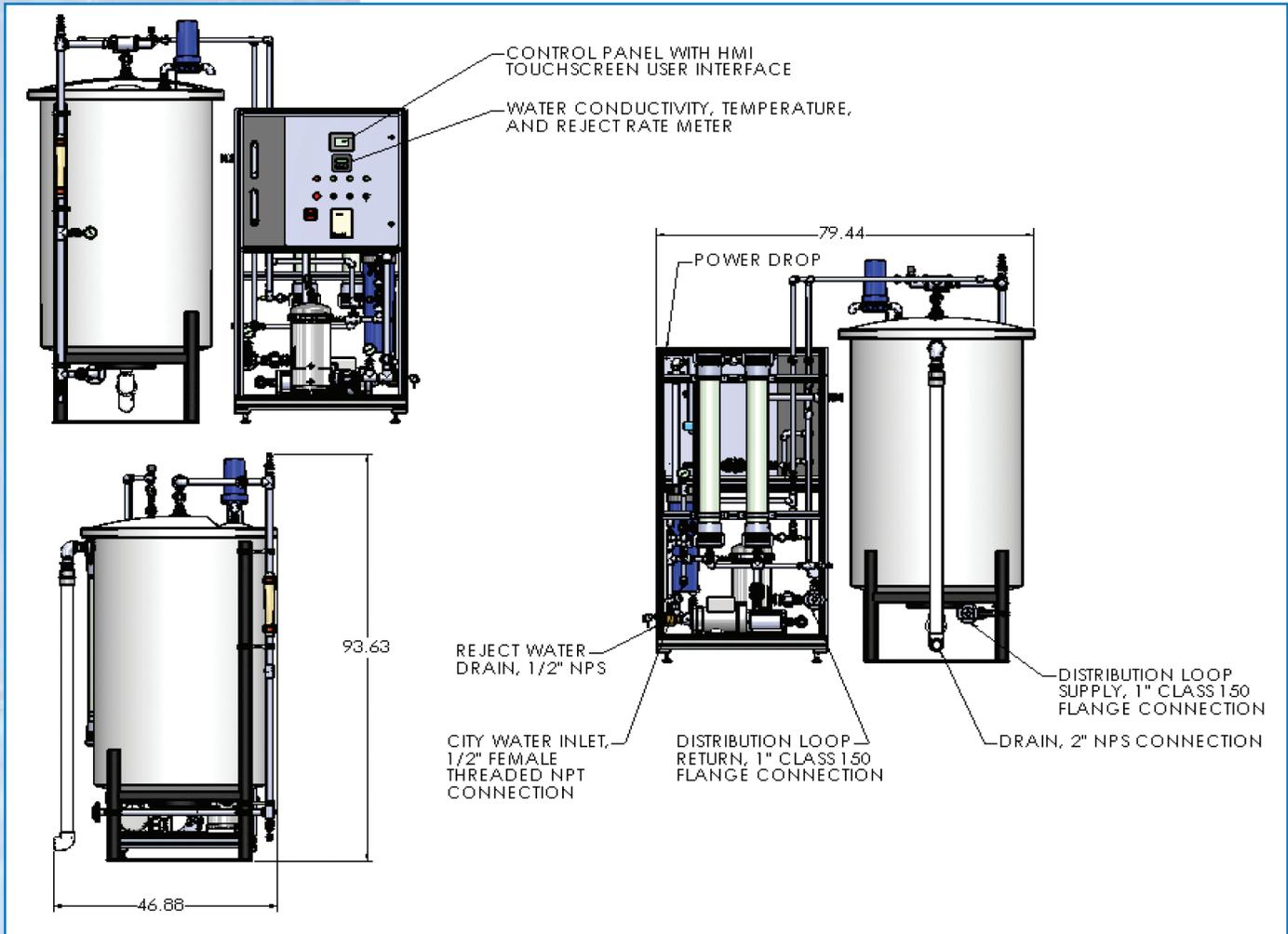
Piping Pre-RO	SCH80 PVC
Piping Post RO	PPL Socket Fusion
Storage Tank	250 Gal. 0.2 μ Filter, Spray Ball, Overflow
Distribution Pump	12 GPM @ 50PSI (Max 600' Loop)
UV	254nm, Monitor, Intensity
Final Filter	Multi-Catridge, SS, 0.2 μ Filter
Conductivity	Loop Out & Loop Return
Return Piping	Flowmeter, BPR & Gauge

BENEFITS INCLUDE

- PLC/HMI Controls (UL listed panel)
- Structural Aluminum Skid Frame
- Hard Piping - No Inferior connections
- High Recovery / Reject Rates
- Small Footprint
- Easy Installation



QuickLab 275 - System Specification



UTILITY REQUIREMENTS

City Water Flow	4 GPM
City Water Pressure	30-60 PSI
Power	480 3p, 15A
Inlet Connection	1/2" NPT
Drain Connection	1 1/2" NPT
Supply Loop Connection	32mm (1") PPL Socket Fusion
Return Loop Connection	32mm (1") PPL Socket Fusion
Installed Footprint	8'W x 4'D x 7'H

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QuickLab At A Glance

QuickLab is focused and flexible by design with two separate units available, each with one option for a total of four configurations. What makes QuickLab attractive is in its name—when you need to fit out a lab quickly you order a QuickLab unit. These units are strategically designed to fit the needs of 10K – 50K sq./ft. facilities in need of purified water for use across all requirements in their space. Unit advantages include; compact footprint, high quality construction, sectional breakdown to fit through smaller opening such as elevators, functional capability found in larger engineered designs, and a very attractive price point.

QUICKLAB SELECTION GUIDE

	Water Usage 8 hrs./GPD		Water Quality		Loop Size		Loop Flow	
	750 / 2250	1100/3300	RO	RO/DI Type III	1”	1 1/4”	12 GPM	20 GPM
quicklab								
450 Plus		✓		✓		✓		✓
450		✓	✓			✓		✓
275 Plus	✓			✓	✓		✓	
275	✓		✓		✓		✓	

QUICKLAB BENEFITS

- PLC/HMI Controls (UL listed panel)
- Structural Aluminum Skid Frame
- Hard Piping – No Inferior Connections
- High Recovery / Reject Rates
- Small Footprint
- Easy Installation

SERVICE CONTRACTS

- Monthly / Quarterly / Yearly Visit Options
- 24/7 Response
- Major Service
- Training of In-House Support Personnel
- Consumables
- PPT Supports All Aspects of Each and Every System We Manufacture

SERVICES

Long Term Service Contracts

Service contracts ranging from 1-3 years per cycle based on client needs. Whether you require weekly, quarterly, or yearly visits PPT can provide all the consumables and labor necessary. Customized plans are available.

Spare Parts and Consumables

For those with in-house service, PPT can supply all the correct OEM parts required. We are master distributors for all the major suppliers and can offer competitive pricing along with stocking programs.

System Sanitization

Controlling microbial growth in your RO/DI System is critical to performance. We can handle all aspects of sanitization from Pre-Treatment all the way through to the RO unit, and the Distribution Loop in your facility.

Performance Audits

Ensuring your system is performing properly can be critical to your process. PPT can provide the expertise to analyze, test, and optimize your current RO/DI system. Non-performing systems are costly and in many cases burdensome to maintain.

Application Support

Helping customers understand High Purity Water is what we do. When facing decisions that will impact your budget, manpower, and most importantly, your process, contact PPT for our application support. We offer guidance on the most cost effective solutions to meet your long term needs.

Engineering Services

Combining our expertise in Pure Water, along with our design services, PPT can engineer custom systems to meet your applications. OEM manufacturing is our specialty and challenging projects are what we excel in. Project specifications and drawing packages are developed based on your requirements.

Do You Require Water With Only The Highest Purity Levels?

QuickLab systems are engineered as a high quality turn-key solution for long term water purification.

quicklab

450 Plus

KEY FEATURES

- Easy install-Turnkey Package
- Small Footprint-Fits through hallways & elevators
- Perfect for users requiring <1100 Gal. in 8 hrs./3300 GPD
- ASTM Water Quality



450

KEY FEATURES

- Easy install-Turnkey Package
- Small Footprint-Fits through hallways & elevators
- Perfect for users requiring <1100 Gal. in 8 hrs./3300 GPD
- RO Water Quality



275 Plus

KEY FEATURES

- Easy install-Turnkey Package
- Small Footprint-Fits through hallways & elevators
- Perfect for users requiring <750 Gal. in 8 hrs./2250 GPD
- ASTM Water Quality



275

KEY FEATURES

- Easy install-Turnkey Package
- Small Footprint-Fits through hallways & elevators
- Perfect for users requiring <750 Gal. in 8 hrs./2250 GPD
- RO Water Quality



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