

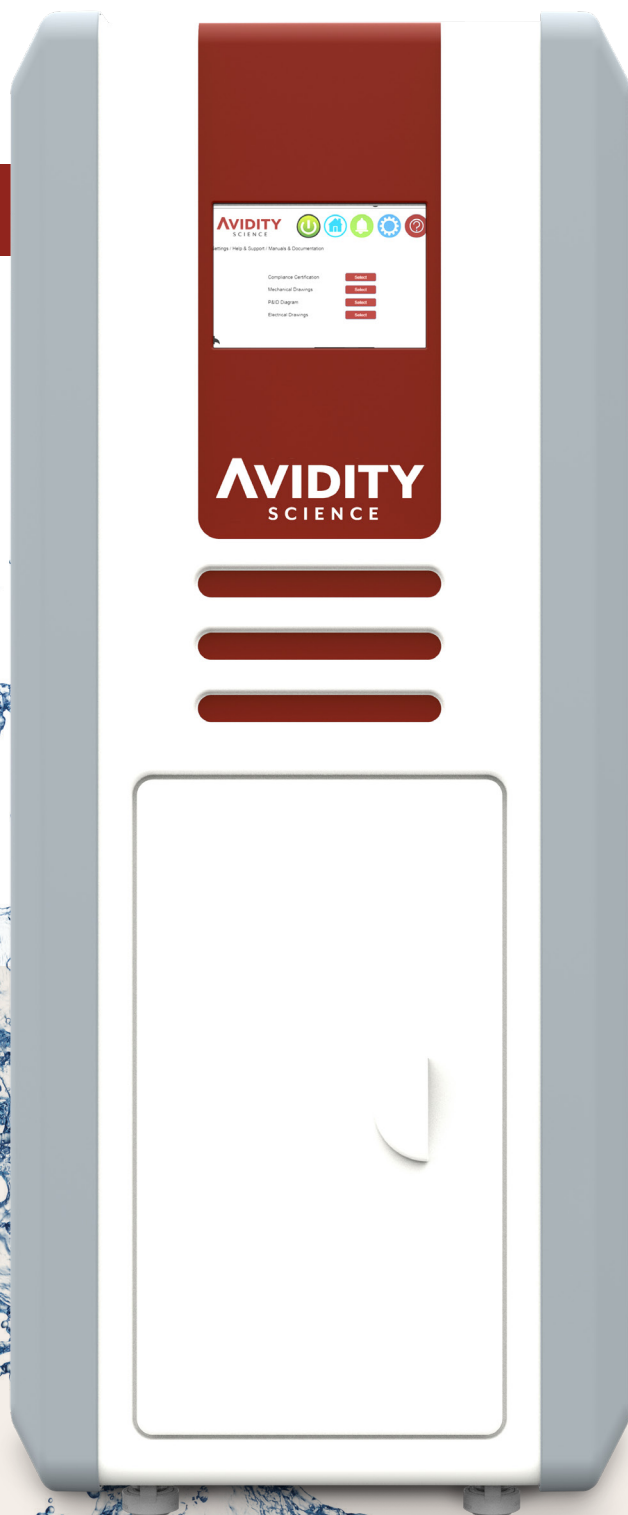
AVIDITY[™]

SCIENCE



PURO RD[™]

Reverse Osmosis Water Purification System



PURO RD™

Flexible, scalable
and intuitive
system to suit your
needs today...
and tomorrow



The Safest Most Reliable Method of Water Delivery is Automated.

The Avidity Science **Puro RD™** automated watering system provides a seamless supply of pure RO water for the daily operations in research facilities. Featuring an intuitive touchscreen, controlled chemical dosing, local solenoid wiring, pressure reducing stations, and industry standard piping techniques. All of these features are backed by the Avidity Science service team. Created by the industry leader with over 50 years of experience in automated water, you can rely on the Puro RD™ to keep your research flawless.

Features & Benefits:

- **Compact one-box solution** to accommodate most floor space restrictions
- **Scalable** sized to grow as your facility needs grow
 - Separate cassette holds each RO module and pump
- **Continuous RO water supply** when uptime is the only option
 - Easy modular replacement to limit downtime
- **Easy to use with an icon based interface**
 - 10" High Resolution Touchscreen
 - Intuitive, pictorial settings, removing language barriers
 - Password protected interface
 - Alarm warnings
- **Predictable running costs** for managed service contracts

SYSTEM REQUIREMENTS

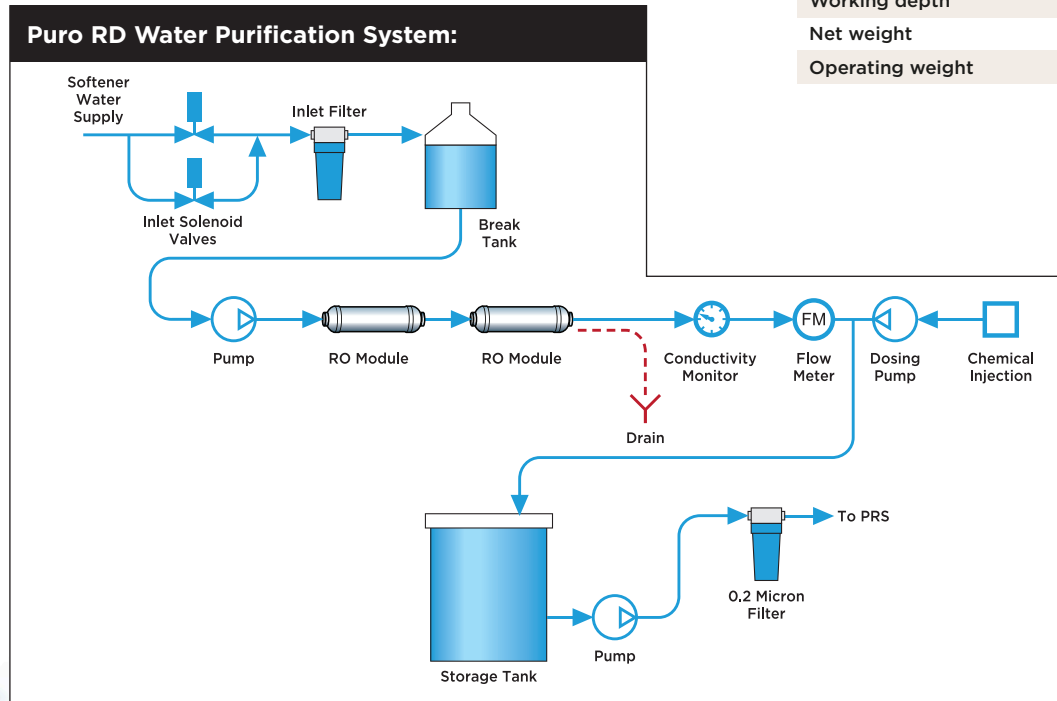
FEED WATER	PURO RD
Pressure (Bar)	1 to 6 (14.5 to 87 psi)
Flow (L/hr)	190 (50 gal/hr)
Hardness as CaCO ₃ (ppm)	<20
Temperature (°C)	<25*
Conductivity (µS/cm)***	10 to 2000
Free Chlorine (ppm)	<0.2*
Carbon Dioxide (ppm)***	<30
pH	4 to 10

SYSTEM CAPABILITIES

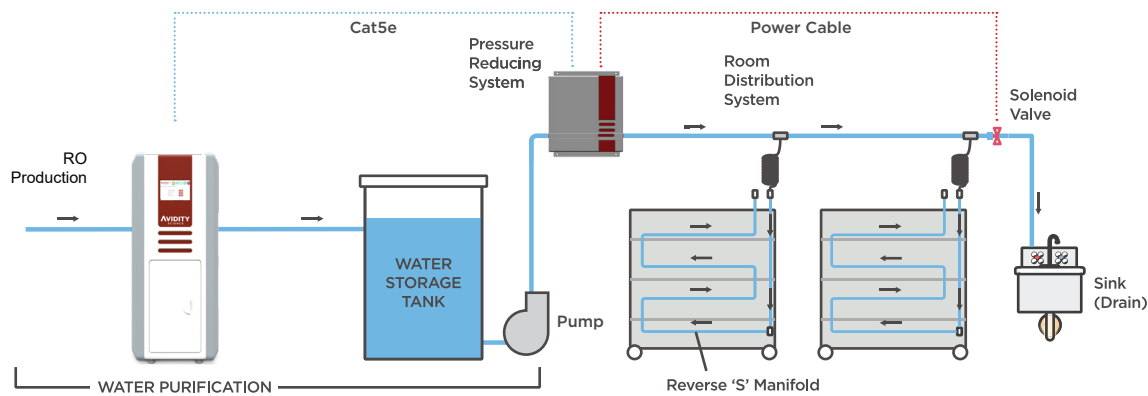
PRODUCT WATER SPECS	PURO RD
Makeup flowrate (L[Gal] per hr)	50[13], 100[26], 200[52]
Particles (at µm filter)	0.2
Delivery flowrate (L/min @ 14psi)	7.5 (2 gal/min)
Nominal Salt Rejections	98%
Free Chlorine (ppm)	3 - 5

DIMENSIONS

ALL MODELS	mm
Height	1852mm (73 in)
Width	750mm (29.5 in)
Depth	600mm (23.6 in)
Working depth	800mm (31.5 in)
Net weight	182Kg (401 lbs)
Operating weight	292Kg (644 lbs)



Portfolio Overview



Flushing System

Production Rate	Storage Tank	Voltage	Model #	Description
50 l/h (13 gal/hr)	Internal 100L Tank	110V	PURORD014	Puro RD Flushing & Chlorine Dosing 50 l/h (13 gal/hr) - 110v Internal 100 liter tank
		230V	PURORD017	Puro RD Flushing & Chlorine Dosing 50 l/h (13 gal/hr) - 230v Internal 100 liter tank
100 l/h (26 gal/hr)		110V	PURORD015	Puro RD Flushing & Chlorine Dosing 100 l/h (26 gal/hr) - 110v Internal 100 liter tank
		230V	PURORD018	Puro RD Flushing & Chlorine Dosing 100 l/h (26 gal/hr) - 230v Internal 100 liter tank
	External Tank (Sold separately)	230V	PURORD051	Puro RD Flushing & Chlorine Dosing 100 l/h (26 gal/hr) - 110v
		230V	PURORD001	Puro RD Flushing & Chlorine Dosing 100 l/h (26 gal/hr) - 230v
200 l/h (52 gal/hr)		230V	PURORD052	Puro RD Flushing & Chlorine Dosing 200 l/h (52 gal/hr) - 110v
		230V	PURORD054	Puro RD Flushing & Chlorine Dosing 200 l/h (52 gal/hr) - 230v

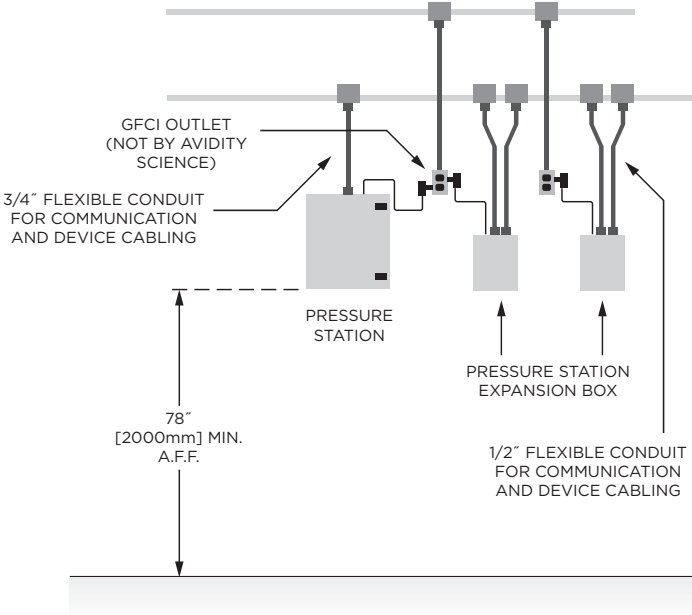
Pressure Reducing Station - 9500

Reduces cabling by local solenoid connection
Controlled water flushing - flushing by volume of water, not time
Simple Power Supply - Single Phase Wall Plug



	Width	Depth	Height
mm	406	171	457
inches	16	6.75	18

120/230 VAC, 15 AMP CIRCUIT(S)
NOT BY AVIDITY SCIENCE



Selecting the Automated Watering System that is best for your facility.

The Avidity Science automated watering system has been the trusted option for animal researchers since 1969. Our state-of-the-art watering system provides numerous benefits and unmatched features for facilities. While providing a premium product is at our core, we understand restraints on budget, resources and the need for scalability. Avidity Science is proud to introduce another solution for automated watering with the Puro RD™ all-in-one room distribution system designed to provide a cost-effective solution to incorporate automated watering into your facility.

		Puro RD	RO100	Indigo RO
RO Systems	Water Production (GPD)	200 l/hr (52 gal/hr)	80 l/hr (21 gal/hr)	860 l/hr (227 gal/hr)
	Dual Distribution Pumps		X	X
	Chemical Injection	X	X	X
	Acidification		X	X
	Compatible with Pulse & Watchdog EX™		X	X
	Compact Design	X		
	Stainless Steel Connections		X	X
	Remote Access			X
	Multi-floor Use	2	4*	4*
*Non-standard pump skid can be used for additional floors				
System Software	Users and Roles		X	X
	System Reporting		X	X
	Web Based System		X	X
	Remote Viewing		X	X
	Remote Alarming		X	X
	Local Alarming	X	X	X
	Touch Screen Control Panel	X	X	X
General	Solenoid Wiring	To PRS	To PCC	To PCC
	Storage Tank	Int./Ext	External	External
	Solenoid Totals	48	1000	1000
	Transformers/Power Supplies Required	No	Yes	Yes

Our strength is supporting vital work of laboratories

A partner at every step of the process. We understand the challenges involved in building and operating an animal facility. Avidity will partner with you at every step of the process to manage the design and development of your vivarium. Our experienced sales and engineering staff assist with layout and design to ensure ease of use and maximum efficiency. Project managers keep your project on schedule and on budget. Our highly trained installation team ensures your system is installed precisely. We meet the needs of all sizes and types of facilities with an expandable system designed to

grow as your facility grows. Nothing routine about our service. Avidity Science Professional Service Agreements ensure continued, long-term performance of your watering system and provide you peace of mind that your system will perform as intended. Our specially trained and certified technicians keep equipment running smoothly for years to come. We are proactive in providing excellent and responsive service to meet your maintenance needs. Our technicians understand animal facility operations and work to minimize interruptions in your normal daily procedures.

A global presence. We are where you are.

Waterford, WI USA | Seaford, DE USA | Thame, UK | Paris, France | Tokyo, Japan | Jiaxing, China



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