

Hydra Premium Purity DI System

THE HYDRA PREMIUM PURITY TYPE 2 DEIONIZATION SYSTEM

The Hydra Premium Purity DI System is a pre-assembled cartridge system that provides deionized water using a staged filtration process. Water purification is provided using a 3-step process. Stage (1) removes particles greater than 5 micron, chlorine, and organics. Stages (2 & 3) are deionizers designed to remove dissolved organics and silica to trace levels. These premium grade resins are specially designed and processed to shed low levels of organics, adding no more than 10 ppb TOC. The Hydra Premium Purity DI series includes all cartridges and resistivity light for a total turnkey system. The system configuration uses mixed bed cartridges for applications requiring 10 MΩ-cm water quality.

BENEFITS

- Wall mounted and low profile
- Low resistivity indicating light for cartridge replacement
- Economically produces di water
- Turn-key system for on demand service
- Designed for city water & tap water supply
- Outlet isolation valve, spanner wrench & associated tubing provided

PHYSICAL SPECIFICATIONS

Dimensions (H x W x D)	62cm x 49cm x 13cm [24.5in x 19.4in x 5.3in]
Inlet Connection	¾" O.D. Tubing



FEATURES

- Resistivity Indicator

Bracket Material	Painted Steel
Filter Housing Material	Polypropylene
Number of Bowls	3

LABORATORY APPLICATIONS

Battery Water Filling • Chiller loops • Environmental Chambers • General Deionization • Glassware Rinse • Glassware Washer • Humidification • Hydrogen Generator • Sterilizers • Ultrasonic Cleaners

ELECTRICAL REQUIREMENTS

Input Voltage (VAC)	120
Hertz	60
Amps	1.0

EFFLUENT WATER SPECIFICATION

Effluent Resistivity	< 50 KΩ/cm	Effluent TOC	<10 ppb
Resistivity Light Threshold	200 KΩ		

PERFORMANCE SPECIFICATIONS

	System Volume Capacity @ 10ppm (gal)	System Volume Capacity @ 100ppm (gal)	System Volume Capacity @ 300ppm (gal)	System Volume Capacity @ 500ppm (gal)
HYS-122-B-LO	6800	680	225	135
HYS-122-S-LO	2650	265	90	50

ORDERING GUIDE

SKU	Bowl Diameter	Total Capacity Grains As CaCO ₃
HYS-122-B-LO	Fits 4.5" cartridge (Big Blue)	5710
HYS-122-S-LO	Fits 2.5" cartridge (Slimline)	1800

Includes:

- All housings are preassembled on a wall mounting bracket
- (1) Carbon cartridge
- (2) Low TOC DI cartridges
- 200 kΩcm DI Light
- ¾" Fitting & tubing kit
- Housing wrench

FILTERS & CONSUMABLES

SKU	Description
HYK-122-X-LO	Replacement Cartridge Kit for Hydra Premium Purity DI System

Consumables sold seperately.