

## HYDRA

### HYDRA - PREMIUM PURITY

HYDRA SERIES

**PREMIUM PURITY**  
**GENERAL DEIONIZATION**  
**INDUSTRIAL & LABORATORY**

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.



#### HIGHLIGHTS

- Wall Mounted and Low Profile
- Water Quality Light Indicating Cartridge Replacement
- Economically Produces DI Water
- Turnkey System For On Demand Service
- Designed For City Water & Tap Water Supply
- Outlet Isolation Valve
- Spanner Wrench & Associated Tubing Provided

#### SYSTEM SPECIFICATIONS

Pressure: 20 – 90 PSIG (changed values)

Temperature: 100° F Max

Voltage: 120 V

Connections:

Inlet – 3/8" OD Tubing

Outlet – 1/2" Hose Barb

Materials:

Housing – Polypropylene

Bracket – Painted Steel

#### APPLICATIONS

- General deionization
- Battery water filling
- Humidification
- Hydrogen generator
- Glassware rinse
- Glassware washer
- Sterilizers

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## HYDRA DI CAPACITY

FEEDWATER TOTAL DISSOLVED SOLIDS (TDS AS CaCO <sub>3</sub> )	HYS-122-S-LO (Gallons)	HYS-122-B-LO (Gallons)
10 ppm*	2,650	6,800
300 ppm	90	225

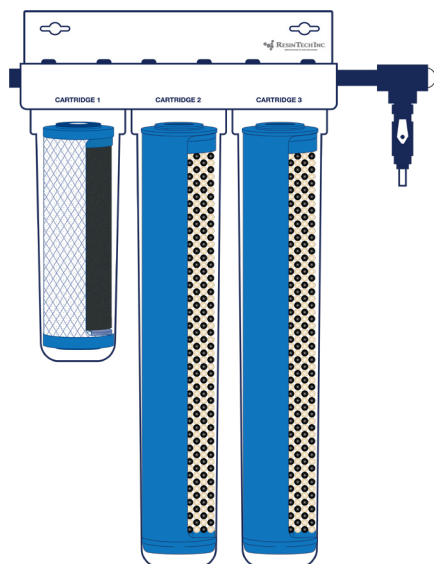
\* Typical water quality with reverse osmosis pretreatment.

## ORDERING GUIDE

BOWL DIAMETER	SHIPPING WEIGHT	PART NUMBER	REPLACEMENT KIT PART NUMBER	REPLACEMENT RESISTIVITY LIGHT 200 kΩ-cm
2.5"	24 lbs.	HYS-122-S-LO	HYK-122-S-LO	CL-200K-50
4.5"	55 lbs.	HYS-122-B-LO	HYK-122-B-LO	CL-200K-50

## SPECIFICATIONS

PART NUMBER	DIMENSIONS (H X W X D)	FLOW RATE	TOTAL CAPACITY GRAINS AS CaCO <sub>3</sub>	TYPICAL EFFLUENT
HYS-122-S-LO	25" x 20" x 6"	1.9 lpm (0.5 gpm)	1,800	10 MΩ-cm
HYS-122-B-LO	26" x 29" x 9"	4.7 lpm (1.25 gpm)	4,760	10 MΩ-cm



	CARTRIDGE 1	CARTRIDGE 2	CARTRIDGE 3
DESCRIPTION	Carbon Pretreatment	Deionization	Deionization
DIMENSIONS	2.5" X 10" (Slim) 4.5" X 10" (Big Blue)	2.5" X 20" (Slim) 4.5" X 20" (Big Blue)	2.5" X 20" (Slim) 4.5" X 20" (Big Blue)

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