

## HYDRA - HIGH PURITY

HYDRA SERIES

**HIGH PURITY**  
**GENERAL DEIONIZATION**  
**INDUSTRIAL & LABORATORY**

The Hydra High 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 minerals. The Hydra High Purity DI series includes all cartridges and resistivity light for a total turnkey system. The Hydra high purity DI configuration uses low odor, Type II anion mixed bed cartridges.



### 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

Revision 1.0

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## HYDRA DI CAPACITY

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

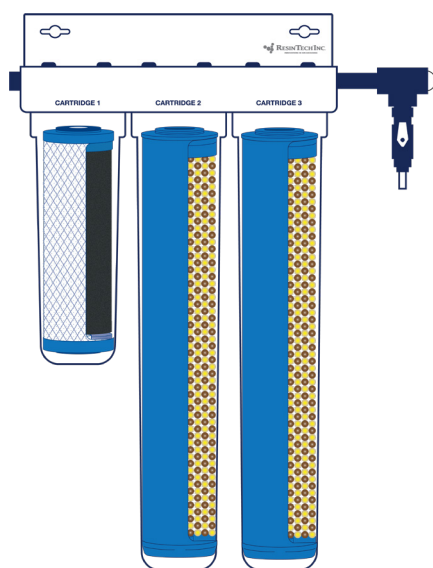
\* Typical water quality with reverse osmosis pretreatment.

## ORDERING GUIDE

BOWL DIAMETER	SHIPPING WEIGHT	PART NUMBER (Legacy Part Number)	REPLACEMENT KIT PART NUMBER (Legacy Part Number)	REPLACEMENT RESISTIVITY LIGHT 1 MΩ-cm
2.5"	24 lbs.	<b>HYS-122-S-HP</b> (HY-122-DI)	<b>HYK-122-S-HP</b> (HYK-001)	<b>CL-200K-50</b>
4.5"	55 lbs.	<b>HYS-122-B-HP</b> (HY-122B-DI)	<b>HYK-122-B-HP</b> (HYK-002)	<b>CL-200K-50</b>

## SPECIFICATIONS

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



	CARTRIDGE 1	CARTRIDGE 2	CARTRIDGE 3
<b>DESCRIPTION</b>	Carbon Pretreatment	Deionization	Deionization
<b>DIMENSIONS</b>	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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