

HYDRA - HIGH CAPACITY

HYDRA SERIES

**HIGH CAPACITY
GENERAL DEIONIZATION
INDUSTRIAL & LABORATORY**

The Hydra High Capacity 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 Capacity DI series includes all cartridges and resistivity light for a total turnkey system. Designed for less corrosive applications, the Hydra high capacity DI configuration provides water quality better than 50 kΩ.cm. This is ideal for scale reduction and non-stainless steel piping systems.



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

- Environmental chambers
- Sterilizers
- Ultrasonic cleaners
- Chiller loops

Revision 1.0

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HYDRA DI CAPACITY

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

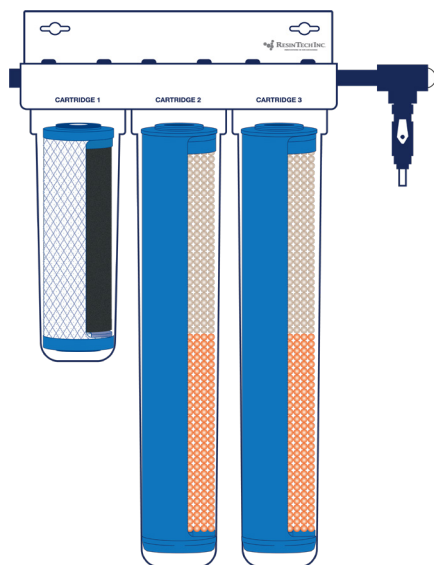
* Typical water quality with reverse osmosis pretreatment.

ORDERING GUIDE

BOWL DIAMETER	SHIPPING WEIGHT	PART NUMBER (Legacy Part Number)	REPLACEMENT KIT PART NUMBER (Legacy Part Number)	REPLACEMENT RESISTIVITY LIGHT 20 kΩ-cm
2.5"	24 lbs.	HYS-122-S-HC (HY-122-DI-HC)	HYK-122-S-HC (HYK-009)	CL-20K-50
4.5"	55 lbs.	HYS-122-B-HC (HY-122B-DI-HC)	HYK-122-B-HC (HYK-010)	CL-20K-50

SPECIFICATIONS

PART NUMBER (as Listed on Website)	DIMENSIONS (H X W X D)	FLOW RATE	TOTAL CAPACITY GRAINS AS CaCO ₃	TYPICAL EFFLUENT
HYS-122-S-HC	25" x 20" x 6"	0.5 gpm	2,160	50 kΩ-cm
HYS-122-B-HC	26" x 29" x 9"	1.25 gpm	5,710	50 kΩ-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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