

HYDRA

HYDRA - HIGH PURITY

HYDRA SERIES, TYPE II POU WATER SYSTEMS

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 mixed bed cartridges for applications requiring better than 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

Revision 1.0

© 2020 ResinTech, Inc.



HYDRA DI CAPACITY

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

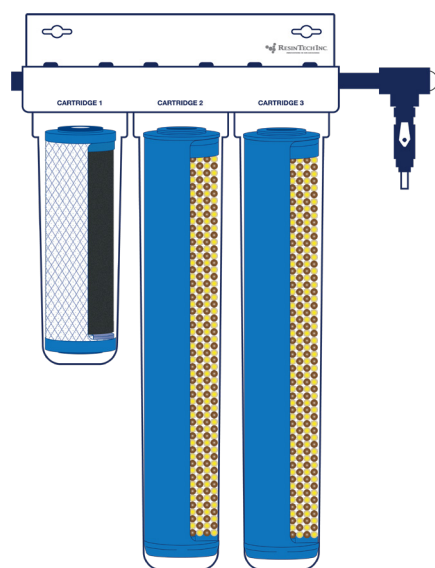
* Typical water quality with reverse osmosis pretreatment.

ORDERING GUIDE

BOWL DIAMETER	SHIPPING WEIGHT	PART NUMBER (Legacy Part Number)	REPLACEMENT KIT PART NUMBER (Legacy Part Number)	REPLACEMENT RESISTIVITY LIGHT 200 kΩ•cm
2.5"	24 lbs.	HYS-122-S-HP (HY-122-DI)	HYK-122-S-HP (HYK-001)	CL-200K-50
4.5"	55 lbs.	HYS-122-B-HP (HY-122B-DI)	HYK-122-B-HP (HYK-002)	CL-200K-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-HP	25"x 20"x 6"	0.5 gpm	1,800	10 kΩ•cm
HYS-122-B-HP	26"x 29"x 9"	1.25 gpm	4,760	10 kΩ•cm



	CARTRIDGE 1	CARTRIDGE 2	CARTRIDGE 3
DESCRIPTION	Carbon Block	Deionization	Deionization
PART NUMBER	CB-10-6305-TO CB-10-6305-BB-TO	AF-20-4020 AF-20-4020-BB	AF-20-4020 AF-20-4020-BB
DIMENSIONS	2.5" X 10" BB: 4.5" X 10"	2.5" X 20" BB: 4.5" X 20"	2.5" X 20" BB: 4.5" X 20"

Revision 1.0

© 2020 ResinTech, Inc.

