KEY FEATURES

• WALL MOUNTED AND LOW PROFILE
• LOW RESISTIVITY INDICATING LIGHT
• ECONOMICALLY PRODUCES DI WATER

HYDRA-DI SYSTEM

The Hydra DI Series 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 DI Series includes all cartridges and resistivity light for a total turnkey system.

The Hydra DI high purity system uses low odor mixed bed cartridges for applications requiring better than 10 MegOhm water quality. For less corrosive applications, the Hydra DI high capacity configuration provides water quality better than 50 KiloOhms. This is ideal for scale reduction and non-stainless steel piping systems.

APPLICATIONS

HIGH CAPACITY DI HYDRA -
Environmental chambers, sterilizers, ultrasonic cleaners, chiller loops.

HIGH PURITY DI HYDRA -
General deionization, battery water filling, humidification, hydrogen generator, glassware rinse, glassware washer, sterilizers.

FEATURES & BENEFITS

• TURN-KEY SYSTEM FOR LOW COST – ON DEMAND SERVICE
• RESISTIVITY LIGHT INCLUDED FOR VISUAL INDICATION OF CARTRIDGE REPLACEMENT
• AVAILABLE IN HIGH PURITY AND HIGH CAPACITY CONFIGURATIONS
• DESIGNED FOR CITY WATER & TAP WATER SUPPLY
• AVAILABLE IN 2-1/2" AND 4-1/2" DIAMETER (BIG BLUE STYLE) CONFIGURATIONS
• OUTLET ISOLATION VALVE, SPANNER WRENCH, AND ASSOCIATED TUBING PROVIDED

HYDRA-DI SYSTEMS AND ACCESSORIES

HYDRA HY-122B-DI
2.5" CARTRIDGE REPLACEMENT KIT
4.5" CARTRIDGE REPLACEMENT KIT
**TECHNICAL DATA**

| Dimensions (H x W x D) | 24 in. x 20 in. x 6 in.  
|-----------------------|------------------------|
|                       | 24 in. x 36 in. x 9 in.  

**Bowl Diameter**
- 2 1/2" or 4 1/2"

**Connections**
- Inlet - 3/8" O.D. Tubing
- Outlet - 1/2" Hose Barb

**Pressure**
- 10 PSIG Minimum
- 100 PSIG Maximum

**Temperature (Max.)**
- 100˚F

**Resistivity Light**
- 200 KΩ or 50 KΩ

**Voltage**
- 120 Volts

**Filter Housing**
- Polypropylene

**Bracket**
- Painted Steel

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**HYDRA-DI - DEIONIZED WATER SYSTEM**

**IMPORTANT NOTICE TO USER:**

The following is made in lieu of all other warranties expressed or implied. Manufacturer's and Seller's only obligation shall be to repair, maintain, replace the equipment proved to be defective in material or workmanship. Neither Manufacturer nor Seller shall be liable for any injury, loss or damage, direct or indirect, special or consequential, arising out of the use of, misuse, or the inability to use such product. The information contained herein is based on technical data and tests which we believe to be reliable and is intended for use by persons having technical skill at their discretion and risk. Since conditions of use are outside ResinTech's control, we assume no liability whatsoever for results obtained or damages incurred through the application of the data presented. This information is not intended as a license to operate under, or a recommendation to infringe upon, any patent of ResinTech's or others having any material or use. The foregoing may not be altered except by written agreement signed by officers of the manufacturer.

**TECHNICAL DATA**

| Dimensions (H x W x D) | 24 in. x 20 in. x 6 in.  
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- 200 KΩ or 50 KΩ

**Voltage**
- 120 Volts

**Filter Housing**
- Polypropylene

**Bracket**
- Painted Steel

---

**HYDRA-DI CAPACITY (GALLONS)**

<table>
<thead>
<tr>
<th>FEEDWATER Total Dissolved Solids (TDS as CaCO3)</th>
<th>HIGH PURITY (Better than 10 Megohm)</th>
<th>HIGH CAPACITY (Better than 50 KΩ)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HY-122-DI</td>
<td>HY-122B-DI</td>
<td>HY-122-DI-HC</td>
</tr>
<tr>
<td>10 ppm*</td>
<td>2,650</td>
<td>6,800</td>
</tr>
<tr>
<td>100 ppm</td>
<td>265</td>
<td>680</td>
</tr>
<tr>
<td>300 ppm</td>
<td>90</td>
<td>225</td>
</tr>
<tr>
<td>500 ppm</td>
<td>50</td>
<td>135</td>
</tr>
</tbody>
</table>

* Typical water quality with reverse osmosis pretreatment

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**ORDERING GUIDE**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>FILTER TECHNOLOGY</th>
<th>BOWL DIAMETER</th>
<th>RESISTIVITY LIGHT</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
</table>
| HY-122-DI  | High Purity 3 Stage Deionization System | (1) 10” Carbon Block  
(2) 20” High Purity | 2.5” | 200 KΩ | 24 lbs. |
| HY-122B-DI | High Purity 3 Stage Deionization System | (1) 10” Carbon GAC  
(2) 20” High Purity | 4.5” | 200 KΩ | 55 lbs. |
| HY-122-DI-HC | High Capacity 3 Stage Deionization System | (1) 10” Carbon Block  
(2) 20” High Capacity | 2.5” | 20 KΩ | 24 lbs. |
| HY-122B-DI-HC | High Capacity 3 Stage Deionization System | (1) 10” Carbon GAC  
(2) 20” High Capacity | 4.5” | 20 KΩ | 55 lbs. |

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**SPECIFICATIONS**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>MEDIA FILL</th>
<th>DIMENSIONS (H X W X D)</th>
<th>FLOW RATE</th>
<th>TOTAL CAPACITY</th>
<th>TYPICAL EFFLUENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>HY-122-DI</td>
<td>High Purity</td>
<td>25”x 20”x 6”</td>
<td>0.5 gpm</td>
<td>1,800</td>
<td>10 MΩ-cm</td>
</tr>
<tr>
<td>HY-122B-DI</td>
<td>High Purity</td>
<td>26”x 29”x 9”</td>
<td>1.25 gpm</td>
<td>4,760</td>
<td>10 MΩ-cm</td>
</tr>
<tr>
<td>HY-122-DI-HC</td>
<td>High Capacity</td>
<td>24”x 20”x 6”</td>
<td>0.5 gpm</td>
<td>2,160</td>
<td>50 KΩ-cm</td>
</tr>
<tr>
<td>HY-122B-DI-HC</td>
<td>High Capacity</td>
<td>26”x 29”x 9”</td>
<td>1.25 gpm</td>
<td>5,710</td>
<td>50 KΩ-cm</td>
</tr>
</tbody>
</table>

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**CARTRIDGE REPLACEMENT KITS**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>FITS HYDRA MODEL</th>
<th>DESCRIPTION</th>
<th>CONTENTS</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
</table>
| HYK-001     | HY-122-DI        | High Purity Cartridge Replacement Kit | (1) 2.5” x 10” Carbon Block  
(2) 2.5” x 20” Mixed Bed | 8 lbs. |
| HYK-002     | HY-122B-DI       | High Purity Cartridge Replacement Kit | (1) 4.5” x 10” Carbon GAC  
(2) 4.5” x 20” Mixed Bed | 21 lbs. |
| HYK-009     | HY-122-DI-HC     | High Capacity Cartridge Replacement Kit | (1) 2.5” x 10” Carbon Block  
(2) 2.5” x 20” High Capacity | 8 lbs. |
| HYK-010     | HY-122B-DI-HC    | High Capacity Cartridge Replacement Kit | (1) 4.5” x 10” Carbon GAC  
(2) 4.5” x 20” High Capacity | 21 lbs. |

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**REPLACEMENT RESISTIVITY LIGHTS**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>DESCRIPTION</th>
<th>SHIPPING WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CL-20K-50</td>
<td>20 Kohm Resistivity Light</td>
<td>1 lb.</td>
</tr>
<tr>
<td>CL-200K-50</td>
<td>200 Kohm Resistivity Light</td>
<td>1 lb.</td>
</tr>
<tr>
<td>CL-2MG-50</td>
<td>2 Megohm Resistivity Light</td>
<td>1 lb.</td>
</tr>
</tbody>
</table>

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Notes: Ordering information subject to change without notice. Please verify all specifications prior to ordering.

To place an order call (856) 626-1550 or e-mail ariescs@ariesfilterworks.com

**ISO 9001: 2015 CERTIFIED**

**MADE IN USA**

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**DS-LPhydraDi-rev2.1**