



## PORTABLE INLINE READY-TO-USE MIXED-BED COLOR-CHANGING INDICATOR DEIONIZATION RESIN FILTER CARTRIDGE



SpiroPure inline deionization filter cartridges employ a media of gel polystyrene crosslinked with divinylbenzene with a 2 to 3 ratio of a gel strong acid cation to a gel, type 1 strong base anion for a ready-to-use mix of high quality demineralization resin. The indicator color-changing resin changes from green to purple when exhausted, alerting you to when the cartridge should be changed. Our cartridges are general purpose demineralization, particularly suited to producing high purity water with a high silica and carbon dioxide removal.

- Color changing resin allows you to visually see when the media is exhausted for on time cartridge maintenance
- Quick-connect 1/4" fittings allow for faster installation
- Uniform beads with high sphericity result in highly purified, deionized water
- Significantly lowers TDS (total dissolved solids) levels, as well as silica and carbon dioxide
- Offers a conductivity of around 0,1 us/cm
- High capacity mixed bed resin combining gel, type 1 strong base anion resin and a gel strong acid resin for direct purification of water
- Great choice for ultra-pure water applications including aquariums, reefs, reverse osmosis systems with DI filtration, spotless car wash, streak-free window and glass cleaning, hydroponics, dental applications, laboratory applications, and medical applications
- **WARNING:** Do not drink water that has been treated with a deionization (DI) resin cartridge.

### FILTER DETAILS CHART

Size	2.5" x 12" (6.7 cm x 28.3 cm)
Temperature Rating	40°F - 122°F (4°C - 50°C)
Maximum Pressure	125 psi
Filter Media	Color Changing Mixed Bed Deionization Resin

### DEIONIZATION MEDIA SPECIFICATIONS

Polymer Structure:	Gel PolyStyrene crosslinked with DVB
Physical Form:	Spherical beads with 95% min sphericity
Ionic Conversion:	99% H+, 90% OH-
Cation/Anion Volume Ratio:	2:3 (40% and 60%)
Conductivity:	< 0.1 $\mu$ s (microsiemens)

## DEIONIZATION MEDIA SPECIFICATIONS

Resistivity:	10-18 MΩ/cm (megaohms)
Particle Size Range:	+1.2 mm < 5%, -0.3% mm < 1%
Water Retention:	45-50% (H+), 53-60% (OH-)
Total Exchange Capacity for Cation:	2.0 eq/l min.
Total Exchange Capacity for Anion:	1.3 eq/l min.



2256 S 1250 W, Woods Cross, UT 84087

Copyright © 2023 SpiroPure. All Rights Reserved.  
[www.spiropure.com](http://www.spiropure.com)