

Electropor™ II

Electronic Grade Cartridge

For Ultra High Purity Water Systems



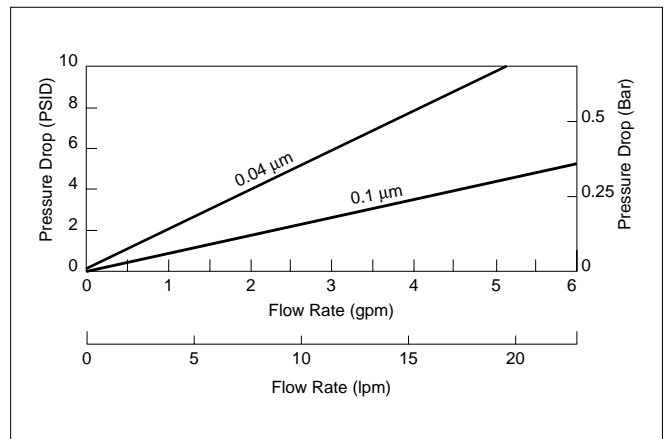
Fluid Purification



The CUNO Electropor II 0.04µm and 0.1µm rated cartridges deliver superior performance in ultra high purity water systems. Optimized cartridge design and further advances in CUNO's hydrophilic, charge modified Nylon membranes are incorporated into an all polypropylene cartridge, yielding an efficient, ultra-retentive filtration device. CUNO's patented charge modification technology remains the most effective deterrent to contamination in ultra pure water generation. The Electropor II cartridge has increased

membrane area (over 11 ft²!) and the highest flow rate of any comparably rated microfiltration cartridge in the industry. Lower pressure drops reduce operating costs and increase filter effectiveness.

Water Flow Rate vs. Differential Pressure



Notes: Flow Rate/Pressure Drop is for a 10" element in 25°C water.

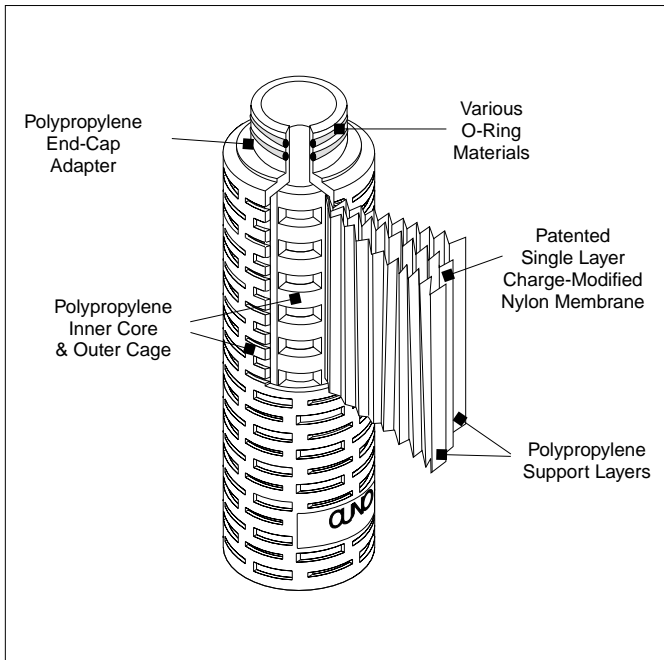
All Electropor II cartridges are preflushed with high purity water to minimize system recovery times at installation. Stringent manufacturing protocols in an ISO 9002 certified facility are followed to ensure consistent cartridge operation throughout the service life of the filter. End users can rely on the Scientific Applications Support Services (SASS) group which offers technical oversight for CUNO's large installed customer base. Unmatched cartridge performance and product support are the keystones of CUNO's commitment to the industry. Customers call on CUNO to be their process partner!

FEATURES

- ◆ Patented charge modified Nylon membrane
- ◆ High flow rates - low pressure drops
- ◆ Increased membrane area
- ◆ Technical support from CUNO SASS personnel

BENEFITS

- ◆ Mechanical *and* electrokinetic contaminant removal deliver extremely low particle counts.
- ◆ New water systems can be optimized, decreasing capital costs; existing systems can deliver desired flows at lower pressure drops, resulting in lower cost of ownership.
- ◆ Reduced particle loading extends filter life, curtailing downtime and operator expense.
- ◆ Application specific engineering expertise on demand for end user issues.



The Electropor II cartridge is extremely durable, and features all polypropylene molded components that withstand arduous operating conditions.

Specifications

Materials	
Membrane:	Charge-modified Nylon
Core, Cage, and End-caps:	Polypropylene
Supports:	Polypropylene
O-Rings:	Fluorocarbon, Silicone, and Teflon® encapsulated Viton (TEV)
Membrane Area:	11 ft ² (1 m ²)
Cartridge Diameter (Nominal):	2.75 inches (7 cm)
Cartridge Length (Nominal):	10, 20, 30, and 40 inches
Cartridge Configurations:	See ordering guide
Operating Conditions	
Standard Operating Temperature:	77°F (25°C)
Maximum Differential Pressure (Forward & Reverse):	60 psid at 77°F (4.2 bar at 25°C)
	40 psid at 122°F (2.8 bar at 50°C)
Integrity Values by Air Diffusion (water wet cartridge):	0.04µm cartridge ≤15 cc/min at 45 psid (3.5 bar)
	0.1µm cartridge ≤15 cc/min at 35 psid (2.8 bar)

Teflon® is a registered trademark of DuPont Incorporated.



ISO 9002
Registered
Quality System

WARRANTY

Seller warrants its equipment against defects in workmanship and material for a period of 24 months from date of shipment from the factory under normal use and service and otherwise when such equipment is used in accordance with instructions furnished by Seller and for purposes disclosed in writing at the time of purchase, if any. Any unauthorized alteration or modification of the equipment by Buyer will void this warranty. Seller's liability under this warranty shall be limited to the replacement or repair, F.O.B. point of manufacture, of any defective equipment or part which, having been returned to the factory, transportation charges prepaid, has been inspected and determined by the Seller to be defective.

THIS WARRANTY IS IN LIEU OF ANY OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED, AS TO DESCRIPTION, QUALITY, MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR USE, OR ANY OTHER MATTER. Under no circumstances shall Seller be liable to Buyer or any third party for any loss of profits or other direct or indirect costs, expenses, losses or consequential damages arising out of or as a result of any defects in or failure of its products or any part or parts thereof or arising out of or as a result of parts or components incorporated in Seller's equipment but not supplied by the Seller.

Service Worldwide

Visit us at www.cuno.com



Fluid Purification

CUNO Pacific Pty Ltd
140 Sunnyholt Road
Blacktown, NSW 2148
Australia

CUNO Europe SA
Chemin du Contre Halage
62730 - Les Attaques
France

CUNO Srl
Via Tonale n°3
20037 Paderno Dugnano
Italy

CUNO Filtration Asia Pte Ltd
18 Tuas Link 1 (3rd Floor)
Singapore 638597

CUNO Latina Ltda
Rua Amf Do Brasil 251
18120 Mairinque-Sp
Brazil

CUNO GmbH
Wihl-Th-Römheld-Str. 32
55130 Mainz
Germany

CUNO K.K.
Hodogaya Station
Building 6F
1-7 Iwai-cho, Hodogaya-ku
Yokohama 240 Japan

CUNO Ltd
21 Woking Business Park
Albert Drive
Woking, Surrey GU215JY
United Kingdom

Cuno Incorporated

400 Research Parkway
Meriden, CT 06450, U.S.A.

Tele: (800) 243-6894

(203) 237-5541

Fax: (203) 238-8977