



Graver Technologies

Filtration | Separation | Purification

QCR™ Cyst Reduction Filter Series

Health Dangers of Cryptosporidium

In recent years, significant outbreaks of water borne disease have been traced to Cryptosporidium and Giardia parasites. These naturally occurring organisms are present in many surface water sources and are highly resistant to inactivation by conventional water treatment processes such as chlorination. Healthy individuals typically recover from the common gastrointestinal effects within a few weeks, however for individuals with weakened or undeveloped immune systems, it can be life threatening.

In order to ensure the safety of the water supply, standards have been established that define the minimum performance requirements for materials and components of water treatment systems. The QCR Cyst Reduction filter contains an absolute 1 micron filter media designed to exceed the ANSI/NSF Standard 53 of 99.95% for the removal of cysts based upon the polystyrene challenge in water*.

Filter Features-Benefits

- Constructed entirely of polypropylene
Compatible with most solutions
- 7.7 ft² (0.72 m²) of effective filter area
High flow rates at low pressure drop
High dirt capacity
- Meets/exceeds NSF Standard 53 for cyst reduction*
- Various O-Ring materials and configurations
Easily retrofits most systems
- High surface area
High flow rates and long on-line service
- Meets USP Class VI Biological Test for plastics

FDA Listed Materials

All polypropylene material used in manufacturing complies with the regulations of the Food and Drug Administration (FDA) Title 21 of the Code of Federal regulations 174.5, 177.1520 and 177.1630, as applicable for food and beverage contact.

* Performance tested and verified by Independent Laboratory Testing



Filter Specifications

Materials

Media:	Polypropylene
Core/cage:	Polypropylene
End caps:	Polypropylene
O-Rings:	Silicone O-Ring (other materials optional)

Filter Connections

P2 (226/flat), P3 (222/flat), P7 (226/fin), P8 (222/fin)

Dimensions

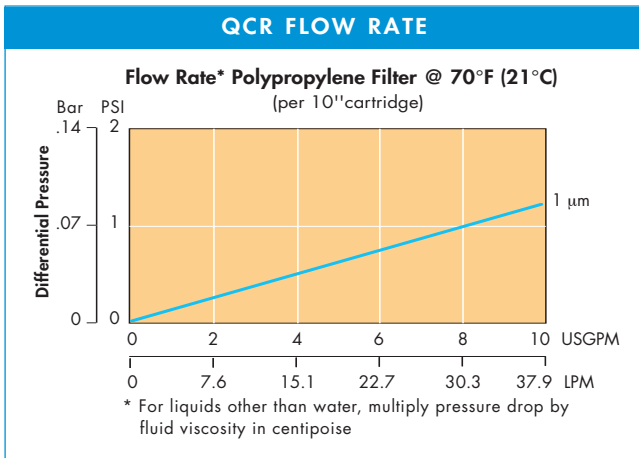
Nominal lengths:	9.75", 10", 20", 30", 40" 25.4, 50.8, 76.2, 101.6 cm)
Outside diameter:	2.7" (6.9 cm)
Inside diameter:	1.0" (2.54 cm)
Maximum operating temperature:	176°F (80°C)
Maximum differential pressure:	75 psid @ 70°F (5.2 bar @ 21°C) 40 psid @ 176°F (2.8 bar @ 80°C) 15 psid @ 190°F (1.03 bar @ 88°C)
Recommended change-out:	35 psid (2.4 bar)

QCR Nomenclature Information

<p>QCR</p> <p>Filter Type QCR Series Filters</p>	<p>1</p>	<p>-30</p> <p>Nominal Length (inches) -9.75 -10 -20 -30 -40</p>	<p>P7</p>	<p>V</p> <p>Gasket or O-Ring S Silicone B Buna-N E EPDM V Viton T Teflon encap. Viton (O-Rings only)</p>
<p>Retention Rating (microns) 1</p>				<p>End Configuration P2 226/Flat Single Open End P3 222/Flat Single Open End P7 226/Fin Single Open End P8 222/Fin Single Open End</p>

Example: QCR 1-30 P7V

Note: DOE style filters not offered in the QCR product. Cyst reduction claim not valid for DOE style filters per NSF standard 53, for bottled water facilities.



For more information

Graver Technologies Customer Service: **1-888-353-0303**

Technical Support: **1-800-510-0932**

E-mail us at info@gravertech.com

Graver Technologies Europe (UK): **+44-1424-777791**

All information and recommendations appearing in this bulletin concerning the use of products described herein are based on tests believed to be reliable. However, it is the user's responsibility to determine the suitability for his own use of such products. Since the actual use by others is beyond our control, no guarantee, expressed or implied, is made by Graver Technologies as to the effects of such use or the results to be obtained. Graver Technologies assumes no liability arising out of the use by others of such products. Nor is the information herein to be construed as absolutely complete, since additional information may be necessary or desirable when particular or exceptional conditions or circumstances exist or because of applicable laws or government regulations.

QCR is a trademark of Graver Technologies, LLC.

DISTRIBUTED BY:



200 Lake Drive
Glasgow,
DE 19702 U.S.A.

302-731-1700
800-249-1990
Fax: 302-369-0938

e-mail: info@gravertech.com
web site: www.gravertech.com

