Graver Technologies

FILTRATION | SEPARATION | PURIFICATION

QCR™ Series Filter Cartridges

Product Specifications

Materials of Construction:
Polypropylene

O-Rings:
Buna-N, EPDM, Silicone, Viton, Teflon Encapsulated Viton

Micron rating:
1.0 µm

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

Dimensions

Nominal lengths:

5″	9.75″	10″	20″	30″	40″
(12.7	*24.8*	*25.4*	*50.8*	*76.2*	*101.6 cm)*

Outside diameter: . . . 2.7″ (6.86 cm)

Inside diameter: . . . . . 1.0″ (2.54 cm)

Surface area: . . . . . .7.0 ft^2

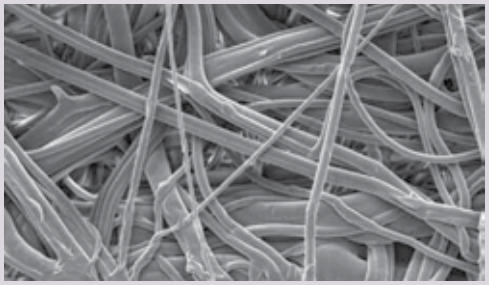
Operating Parameters

Maximum operating temperature:
176 °F (80 °C)

Maximum differential pressure:
75 psid @ 70°F (5.2 bar @ 21°C)
30 psid @ 176°F (2.0 bar @ 80°C)

Maximum reverse pressure:
40 psid @ 70°F (2.8 bar @ 21°C)

Recommended change-out pressure:
35 psid (2.4 bar)



Health Dangers of Cryptosporidium

Water borne disease has been traced to Cryptosporidium and Giardia parasites that may be present in many surface water sources. Healthy individuals typically recover from the common gastrointestinal effects, however for individuals with weakened or undeveloped immune systems, it can be life threatening. These naturally occurring organisms are highly resistant to inactivation by conventional water treatment processes such as chlorination and thus require high performance mechanical removal technologies.

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 provide a minimum log reduction credit of 2.5 for cysts based on the test requirements of the Long term 2 Enhanced Surface Water Treatment Rule (LT^2).

Features–Benefits

- Constructed entirely of polypropylene – Compatible with most solutions
- Double O-Ring style ends for the highest seal integrity
- 7.0 ft^2 (0.65m^2) of effective filter area – High flow rates at low pressure drop – High dirt capacity
- Various O-Ring materials and configurations – Easily retrofits most systems
- High surface area – High flow rates and long on-line service

Certifications

USP Class VI – Meets USP Class VI Biological Test for Plastics.

FDA Listed Materials – All Materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, and 177.1520, as applicable for food and beverage contact.

LT2 – Performance tested and verified by independent 3rd party laboratory to comply with Long term 2 Enhanced Surface Water Treatment Rule for reduction of cysts (data available upon request).

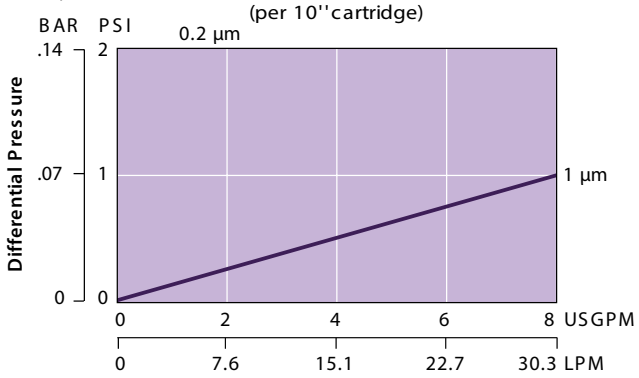
200 LAKE DRIVE, GLASGOW, DE 19702 U.S.A.
302-731-1700 | 800-249-1990 | FAX: 302-369-0938
info@gravertech.com
www.gravertech.com

QCR Nomenclature Information

QCR	1	-30	P7	V
QCR Series Filter	**Retention Rating (microns)**	**Nominal Length (inches)**	**End Configuration**	**Gasket or O-Ring**
	1	**-5** **-20** **-9.75** **-30** **-10** **-40**	**P2** 226/Flat Single Open End **P3** 222/Flat Single Open End **P7** 226/Fin Single Open End **P8** 222/Fin Single Open End	**S** Silicone **B** Buna-N **E** EPDM **V** Viton **T** Teflon endcap. Viton
Example: QCR 1-30P37V				

QCR FLOW RATE

Typical Flow Rate Clean Water at Ambient Temperature
(per 10''cartridge)



For liquids other than water, multiply pressure drop by the fluid viscosity in centipoise

Performance Specifications

Sterilization: Cartridges may be autoclaved for 30 minutes at 250°F (121°C) under no end load conditions. Cartridges fitted with steam insert may be steamed for at least 10 thirty minute cycles @ 275°F (135°C) not to exceed 3 psid (0.21 bar).

DISTRIBUTED BY

FOR MORE INFORMATION

Customer Service: 1-888-353-0303
Technical Support: 1-800-510-0932
Europe (UK): +44-1424-777791
China: +86-21-5238-6576
Asia: +65-9635-7690

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