Filtersource.com inc.



QCR™ Series Filter Cartridges

Helping to ensure the safety of the water supply

Product Specifications

Media: Polypropylene, Polyethersulfone (0.8)

Inner core, end caps, cage: Polypropylene

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

Micron rating: 0.8, 1.0

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 ft2 (0.65 m2)

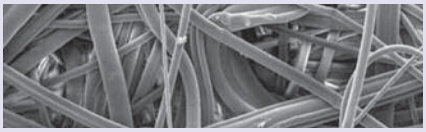
Operating Parameters

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

Waterborne 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 >3.0 for cysts based on the test requirements of the Long term 2 Enhanced Surface Water Treatment Rule (LT2).

FEATURES & BENEFITS

- Constructedof polypropylene or polypropylene and polyethersulfone — compatible with most fluids
- Double O-Ring style ends for the highest seal integrity
- 7.0 ft2 (0.65 m2) of effective filter area
- 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:MeetsUSP 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.

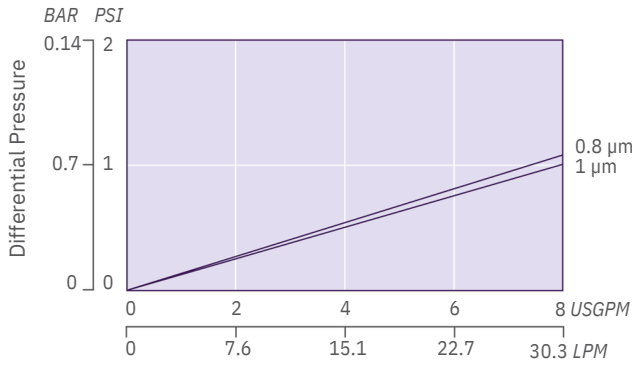
QCR NOMENCLATURE INFORMATION

Filter Type	Retention Rating (microns)	Nominal Length (inches)	End Configuration	Gasket or O-Ring	Options
QCR Series	**0.8** **1**	**–5** **–20** **–9.75*** **–30** **–10** **–40**	**P** 226/Flat Single Open End **2** 222/Flat Single Open End **P** 226/Fin Single Open End **3** 222/Fin Single Open End **P** **7** **P** **8**	**B** Buna-N **E** EPDM **S** Silicone **T** Teflon encap. Viton (O-Rings only) **V** Viton	**–I** Steam Inser t
Example: QCR 1–30P7S–I					
QCR	1	–30	P7	S	–I

*Available only for DOE (P) configuration

QCR FLOW RATE

Typical Flow RateClean WateratAmbient 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 30-minute cycles @ 275°F (135°C) not to exceed 3 psid (0.21 bar).