

QUALICARB C+

Ultra compacted carbon cartridge

EN Data sheet

QUALIFILTRES
SIEBEC Group

Description

The QUALICARB C+ carbon cartridge is the high-performance compacted version of QUALICARB C. Thanks to its technology of extremely fine compacted carbon fibres, it guarantees optimum results in the reduction of chlorine, its derivatives and other volatile compounds.

The QUALICARB C+ cartridge offers a much lower initial deltaP than a block of compacted carbon for the same micronage of 0.5µm.

Thanks to its internal veil, it does not release carbon fines.

The QUALICARB C+ cartridge is suitable for all applications in the pharmaceutical, water treatment and bottling industries.



Advantages

- Single block of ultra-compacted carbon fibres.
- Nominal filtration of 0.5µm
- Available lengths 9"3/4 - 20" - 30" - 40"
- Extremely low initial DeltaP compared to the equivalent carbon block
- True filtration and particle retention capacity
- Lighter than a carbon block cartridge
- Certified and tested by NSF International to NSF/ANSI Standard 42.

References and performance comparisons with QUALICARB C (uncompacted 5 µm version)

Model	Dimensions ID 28 mm	Micron	Initial DeltaP (mbar) as a function of flow rate(l/min)	Chlorine reduction as a function of flow rate (L/min)
QCC+ - 01 - 10 <i>QCC - 05 - 10</i>	70 mm x 248 mm <i>67mm x 248mm</i>	0,5 µm <i>5 µm</i>	< 0,26 bars @ 3,8 L/min <i>0,18 bars @ 3,8 L/min</i>	120 000 L @ 3,8L/min <i>22 000L @ 3,8L/min</i>
QCC+ - 01 - 20 <i>QCC - 05 - 20</i>	70 mm x 508 mm <i>67 mm x 508mm</i>	0,5 µm <i>5 µm</i>	< 0,26 bars @ 7,6 L/min <i>0,18 bars @ 7,6 L/min</i>	240 000 L @ 7,6L/min <i>44 000L @ 7,6L/min</i>
QCC+ - 01 - 30 <i>QCC - 05 - 30</i>	70 mm x 762 mm <i>67 mm x 762mm</i>	0,5 µm <i>5 µm</i>	< 0,26 bars @ 11,4 L/min <i>0,18 bars @ 11,4 L/min</i>	360 000 L @ 11,4L/min <i>66 000L @ 11,4L/min</i>
QCC+ - 01 - 40 <i>QCC - 05 - 40</i>	70 mm x 1016 mm <i>67 mm x 1016mm</i>	0,5 µm <i>5 µm</i>	< 0,26 bars @ 15,2 L/min <i>0,18 bars @ 15,2 L/min</i>	480 000 L @ 15,2L/min <i>88 000L @ 15,2L/min</i>

Technical specifications

- Media: Ultra-compacted carbon fibre
- End caps : Polypropylene
- Net: Polypropylene
- Gaskets : Santoprene Santoprene
- Temperature: 65 °C
- Recommended changing pressure: 1 bar



ORDER REFERENCE

REFERENCE QCC+ - 01 - 30
Tab 1 Tab 2

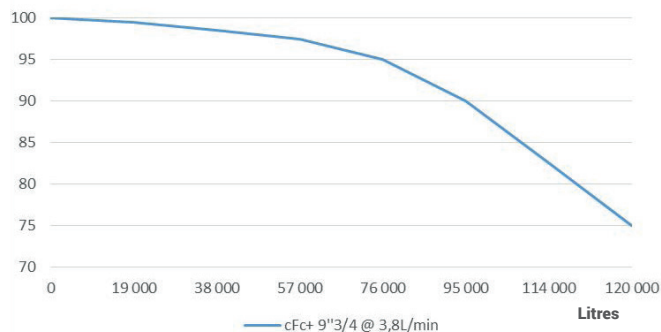
Table 1 : Pre-filtration threshold

Code	Description
01	0,5 µm

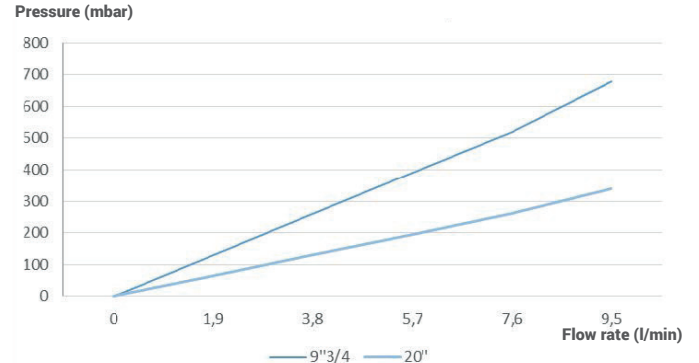
Table 2 : Lengths

Code	Description
10	10 " = 248 mm
20	20 " = 508 mm
30	30 " = 762 mm
40	40" = 1016 mm

Cl² reduction capacity



Pressure flow curve



Please note:

Carbon blocks are available in 5µm. They have been tested and certified to NSF 42 standard for Drinking Water Treatment System - Aesthetic Effects. The results were obtained under standard internal test conditions in accordance with the NSF 42 protocol, i.e. 2 ppm free chlorine LC² at the inlet for a rate at the outlet of up to 0.5ppm, i.e. a reduction rate of >90% up to 75%, which varies according to the rate of organic components and pH. The higher the flow rate, the lower the dechlorination capacity.

The data may be subject to change by QUALI-FILTRES SAS. They are provided for evaluation and verification purposes, but do not constitute a contractual guarantee. Users must comply with the usage data provided in a processing system supplied by their equipment manufacturer. Before use, the cartridges must be used like any other carbon-based product, with microbiologically controlled water.

* length limits are -0+2mm ** available in 5µm, please consult us