

ULTRA COMPACTED CARBON CARTRIDGE



Standard dimensions

| | |
|-------------------|---------------|
| External diameter | 70 mm |
| Internal diameter | 26 mm |
| Lengths | 10", 20", 30" |

Packaging

| Length | Dimension | Pieces | Weight |
|--------|-----------|--------|--------|
| 9" 3/4 | 248 mm | 30 Pcs | 13 kg |
| 20" | 508 mm | 30 Pcs | 17 kg |
| 30" | 762 mm | 15 Pcs | 19 kg |

Description

The QUALICARB C+ carbon cartridge is the ultra-compacted high-performance version of the QUALICARB C. Thanks to its technology using extremely fine ultra-compacted carbon fibers, it ensures optimal results in reducing chlorine, its derivatives, and other volatile compounds.

The QUALICARB C+ cartridge offers a much lower initial deltaP compared to an ultra-compacted carbon block with the same 0.5 µm rating.

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

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

Characteristics & benefits

- Single block of ultra-compacted carbon fibers
- Nominal filtration: 0.5 µm
- Available lengths: 9" 3/4 – 20" – 30"
- Extremely low initial DeltaP compared to equivalent carbon block
- True filtration and particle retention capacity
- Lighter cartridge than a carbon block cartridge
- Certified and tested by NSF International according to NSF/ANSI Standard 42, according the manufacturer
- End cap: DOE, others available upon request
- Max temperature: 65°C

Building materials

| | |
|----------------|--------------------------------------|
| Filter media | Ultra-compacted mineral carbon fiber |
| Shell | Polypropylene mesh |
| End caps | Polypropylene |
| Seals | Santoprene™ |
| Certifications | Complies with European standards |

References and performance comparisons with the QUALICARB C+

| Model | Dimensions ØOD x ØID x length (mm) | Micron | Initial DeltaP (mbar) depending on flow rate (L/min) | Chlorine reduction depending on flow rate (L/min) |
|----------------|------------------------------------|--------|--|---|
| QCC+ - 01 - 91 | 70 x 26 x 248 | 0,5 µm | < 0,26 bars @ 3,8 L/min | 120 000 L @ 3,8 L/min |
| QCC+ - 01 - 20 | 70 x 26 x 508 | 0,5 µm | < 0,26 bars @ 7,6 L/min | 240 000 L @ 7,6 L/min |
| QCC+ - 01 - 30 | 70 x 26 x 762 | 0,5 µm | < 0,26 bars @ 11,4 L/min | 360 000 L @ 11,4 L/min |

ORDER REFERENCE

Example :

QCC+ -

| |
|----|
| A |
| 01 |

 -

| |
|----|
| B |
| 30 |

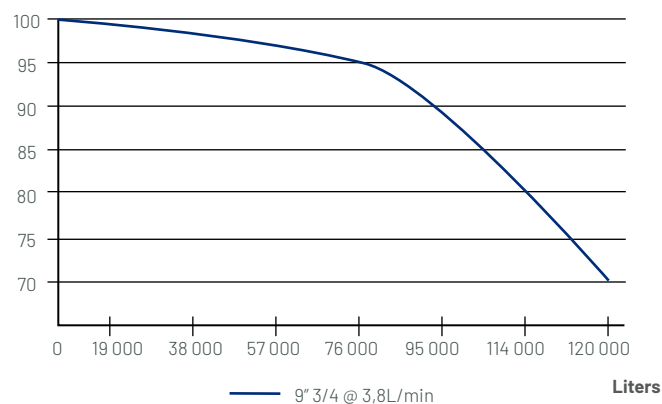
A/ Prefiltration threshold

| Code | Description |
|------|-------------|
| 01 | 0,5 µm |

B/ Length

| Code | Description |
|--------|--------------|
| 9" 3/4 | 10" = 248 mm |
| 20 | 20" = 508 mm |
| 30 | 30" = 762 mm |

Chlorine reduction capacity² :



Note :

The carbon blocks are available in 5 µm. They have been tested and certified to NSF 42 according to the NSF/ANSI 42 standard for Drinking Water Treatment Systems – Aesthetic Effects. The results were obtained under standard internal test conditions according to the NSF 42 protocol, with an inlet free chlorine concentration of 2 ppm and an outlet level of up to 0.5 ppm, representing a reduction rate of >90% to 75%. This rate varies depending on the levels of organic components and pH. The dechlorination capacity decreases as the flow rate increases.

The data may be subject to changes by QUALI-FILTRES SAS. They are provided for evaluation and verification purposes only and do not constitute a contractual guarantee. The user must adhere to the usage data specified for a treatment system supplied by their equipment manufacturer. Before use, cartridges should be handled like any charcoal-based product, with microbiologically controlled water.

*length tolerance are -0 +2mm

Typical flow rates :

Pressure drop for a 0.5 µm filtration media

