QUALIMAX C5

Carbon Cartridge 100% Coconut Shell

QUALI FILTRES
SIEBEC Group

EN Data sheet

Carbon Cartridge 100% Coconut Shell

Standard dimensions

External diameter	68 mm / 110 mm
Internal diameter	28 mm
Lengths	9"3/4, 20", 30", 40", 9" 3/4 BB, 20" BB

Packaging

Length	Dimension	Pieces	Weight
9" 3/4	248 mm	25 Pcs	11 kg
20"	508 mm	16 Pcs	13 kg
30"	762 mm	16 Pcs	19 kg
40"	1016 mm	16 Pcs	26 kg
9" 3/4 BB	248 mm	12 Pcs	16 kg
20" BB	508 mm	6 Pcs	15 kg

Description

Thanks to our extrusion and sintering process, by compressing PAC (Powdered Activated Carbon), the QUALIMAX C5 is able to reduce chlorine levels upstream of reverse osmosis systems or in long-term industrial processes. This type of media provides optimal dechlorination compared to standard cartridges based on GAC (Granular Activated Carbon) media.

QUALIMAX C5 has been designed for multiple applications in water treatment, both domestic and industrial: removal of taste and odor, maximum adsorption of free chlorine during peak levels, reduction of VOCs/pesticides, and chlorinated by-products.

Characteristics & benefits

- 100% Coconut Shell Carbon Powder
- Food Grade
- OEM Program: specific length & diameter, end cap...
- Nominal Filtration: 5 µm
- Available Lengths: 9"3/4 – 20" – 30" – 40"
- End Cap: DOE, others on request
- Maximum Temperature: 52°C
- Carton Dimensions (packaging):
  - 53 x 35 x 24cm (9" 3/4 ; 20" ; 9" 3/4 BB ; 20"BB)
  - 29,5 x 29,5 x 77/78 cm (30")
  - 29,5 x 29,5 x 102/103cm (40")

Building materials

Filter media	Coconut Shell Carbon Powder
Shell	Polypropylene Netting – HD Format: Inner Layer Anti-Fines Release
End caps	DOE code, code 3 and code 8
Seals	DOE: White Bonded PE Foam BB: HD Format Translucent EPDM Code 3 and 8 (EPDM or Silicone)
Certifications	Food Grade (Complies with European Regulation 1935/2004)

Technical Specifications

Model	Dimensions ØOD x ØID x L (mm)	Micron	Initial DeltaP (bar) as a function of flow rate (L/h)	Chlorine reduction as a function of flow rate (L/h) – 90% adsorption rate
QMAXC5 - 91 DOE OD	68 x 28 x 248	5 µm	0,21 bars @ 250 L/h	> 24 000 L @ 250 L/h
QMAXC5 - 20 DOE OD	68 x 28 x 508	5 µm	0,21 bars @ 500 L/h	> 48 000 L @ 500 L/h
QMAXC5 - 30 DOE OD	68 x 28 x 762	5 µm	0,21 bars @ 750 L/h	> 72 000 L @ 750 L/h
QMAXC5 - 40 DOE OD	68 x 28 x 1016	5 µm	0,21 bars @ 1m³ L/h	> 96 000 L @ 900 L/h
QMAXC5 - BB 91 DOE	110 x 28 x 248	5 µm	0,33 bars @ 500 L/h	> 70 000 L @ 250 L/h
QMAXC5 - BB 20 DOE	110 x 28 x 508	5µm	0,35 bars @ 1m³ L/h	> 140 000 L @ 250 L/h

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ORDER REFERENCE

Example :

	A		B		C		D
QMAXC5 -	05	-	91	-	0	-	PE

A/ Prefiltration threshold

Code	Description
05	5 µm

B/ Lenght

Code	Description
91	9" 3/4 = 248 mm
20	20" = 508 mm
30	30" = 762 mm
40	40" = 1016 mm
91 BB	9" 3/4 = 248 mm
20 BB	20" = 508 mm

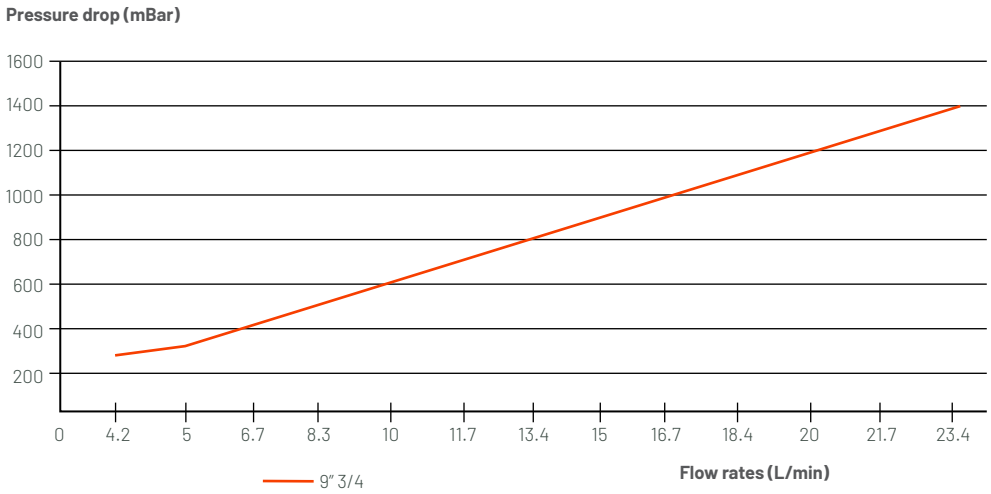
C/ Adapter

Code	Description
0	DOE – Double Open End with flat gasket
3	SOE – Single Open End with external 222 O-rings, other end flat closed
8	SOE – Single Open End with external 222 O-rings, other end closed with guide tip

D/ Gasket Material

Code	Description
PE	DOE – Polyethylene
S	Silicone (codes 3 and 8)
E	BB and EPDM (codes 3 and 8)

Typical Flow Rates :



Note :

Performance is proportional to the weight of carbon per 10" module and varies according to the media density. Results were obtained under standard test conditions and may vary depending on the levels of organic components and pH.

Dechlorination capacities will be reduced as the flow rate increases. The recommended maximum operating flow rate is 350 L/h per 10". It is also strongly recommended to install pre-filtration of at least 5 µm.

Data may be subject to change by Quali-Filtres. They are provided for evaluation and verification purposes only and do not constitute a contractual guarantee. The user must comply with the usage data specified for a treatment system supplied by their equipment manufacturer.

Cartridges, before use, must be rinsed to limit the presence of fines and should be used like any carbon-based product, with microbiologically controlled water.

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