



**HATENBOERWATER**

*Fresh in water since 1906.*

# Hatenboer-Water Carbon Block Filter Cartridges

## Serie HWCB

The Hatেনboer-Water Carbon Block (HWCB) filters offers an economical solution for the removal of taste, colour of odour and solids. The rigid block construction eliminates any potential bypass. The filters will not fluidise, therefore maximising the effectiveness of the carbon media.

<b>Inner core</b>	An acid washed, high purity coconut based carbon block
<b>Outer core</b>	A double layer, spun bonded fiber pre-filter layer

For higher flows we advise to consider the HWCB Big Blue filters. These filters allow a higher flow and also provide more contact time between the water and integrated carbon block due to a larger diameter. This results in a deeper filtration.

### Outside diameter

<b>HWMB</b>	71,5 mm
<b>HWMB Big Blue</b>	117,0 mm

Part number	Length	Filtration grade	Max. capacity
	<i>inch</i>	<i>micron</i>	<i>m<sup>3</sup>/h</i>
<b>0210-HWCB10005</b>	10"	5	0,5
<b>0210-HWCB20005</b>	20"	5	1
<b>0210-HWCB30005</b>	30"	5	1,5
<b>0210-HWCB40005</b>	40"	5	2
<b>0210-BB010</b>	10"	5	1,25
<b>0210-BB020</b>	20"	5	2,50

### Key features

- Dual Purpose; sediment filtration and chlorine reduction
- BE grade high purity coconut based carbon block media
- Polymeric and Elastomeric materials meet US FDA Title 21 requirements
- Cartridges have been tested and certified to NSF 42
- Effective carbon surface area for excellent chlorine reduction characteristics



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### Construction

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### Usage information

**Advised max. differential pressure:** 1,5 bar

**Max. temperature:** 52°C

### Chlorine Reduction Capacity Data (10" Element)

Cartridge type	flow rate (litres/min)	chlorine reduction capacity (litres)
Standard	3.8	23000
Big Blue	7.6	85000

The above test is based on challenging a 10" filter with water containing 2 ppm of free chlorine. The chlorine reduction capacity is the volume in litres of water from which the filter will successfully remove >90% of free chlorine present upstream of the filter when operating at given flow rate.

### Flow Rates for water (10" Element)

Cartridge type	max flow rate for odour, taste and chlorine reduction (litres/min)	Recommended max. flow rate for > 90% chlorine reduction capacity (litres/min)
Standard	5 at 175mBar Δp	3.8 at 115mBar Δp
Big Blue	10 at 175mBar Δp	7.6 at 115mBar Δp



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