



AquaSorb™ 1200

Activated carbon for drinking water treatment

AquaSorb™ 1200 is a standard activity granular activated carbon, specifically manufactured for the treatment of water for human consumption, in both municipal and industrial applications. The manufacturing process develops a porous structure that is effective in the removal of dissolved organic matter, pesticides and chemicals that are found in raw water sources. AquaSorb™ 1200 is suitable for use in the treatment of ground, surface and network supplies. The material is compliant with international standards for carbon media used in this application.



SPECIFICATION*

Iodine adsorption	min. 900 mg/g
Moisture content, as packed	max. 5%
Apparent density	min. 450 kg/m ³
Total ash content	max. 15%
Wettability	min. 99%
Ball pan hardness	96%

TYPICAL PROPERTIES*

Iodine adsorption	920 mg/g
Methylene blue adsorption	170 ml/g
Surface area (BET)	950 m ² /g
Apparent density	540 kg/m ³
Backwashed and drained density	470 kg/m ³

PARTICLE SIZE (mesh)	20x40	12x40	10x20	8x30	8x18
Oversize	<5%	<5%	<5%	<5%	<5%
Undersize	<4%	<4%	<4%	<4%	<4%
Effective size	0.4 mm	0.6 mm	1.0 mm	1.0 mm	1.2 mm
Mean particle diameter	0.6 mm	1.0 mm	1.4 mm	1.4 mm	1.8 mm
Uniformity co-efficient	<1.5	<1.7	<1.7	<1.6	<1.5

The information supplied above is based on analysis of production trend over the previous six-months and is subject to change without notice should future trends be adjusted.

Features and Benefits

- Standard activity product
- Versatile adsorbent
- High mechanical strength
- Good adsorption capacity
- Potable water grade

Available Particle Sizes

- 8x18 mesh (2.36 - 1.18 mm)
- 8x30 mesh (2.36 - 0.60 mm)
- 10x20 mesh (2.00 - 0.85 mm)
- 12x40 mesh (1.70 - 0.43 mm)
- 20x40 mesh (0.85 - 0.425 mm)

Approvals and Certifications

- EN12915
- NSF 61 standard
- AWWA B604
- Halal certified
- Kosher certified
- Food Chemicals Codex

Standard Packaging

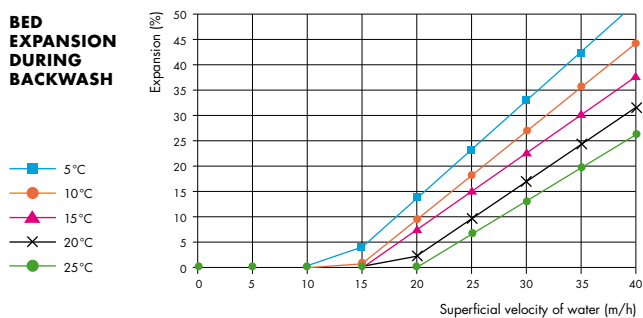
- 25 kg sack (55 lb)
- Other packing considered on request

* SPECIFICATIONS AND TYPICAL PROPERTIES ARE PRODUCED USING PWG'S TEST METHODS. THEY ARE LISTED FOR INFORMATION PURPOSES ONLY AND NOT TO BE USED AS PURCHASE SPECIFICATIONS. SALES SPECIFICATIONS CAN BE OBTAINED FROM YOUR TECHNICAL SALES REPRESENTATIVE AND SHOULD BE REVIEWED BEFORE PLACING AN ORDER.

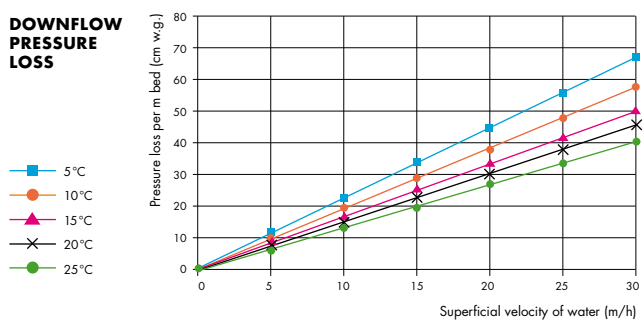


AquaSorb™ 1200 8x30 mesh

BED EXPANSION DURING BACKWASH

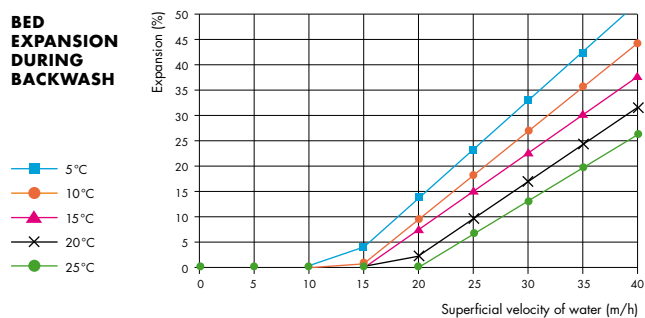


DOWNFLOW PRESSURE LOSS

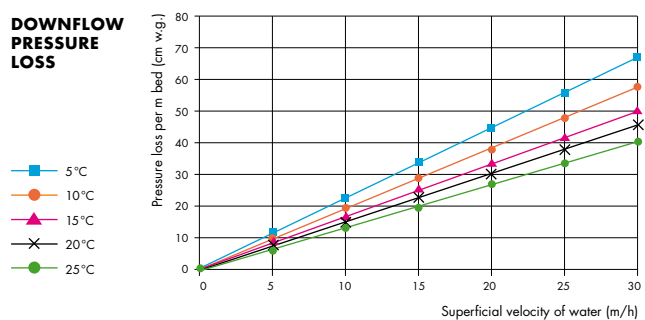


AquaSorb™ 1200 10x20 mesh

BED EXPANSION DURING BACKWASH

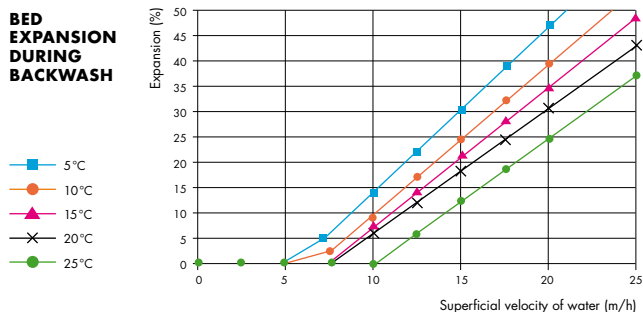


DOWNFLOW PRESSURE LOSS

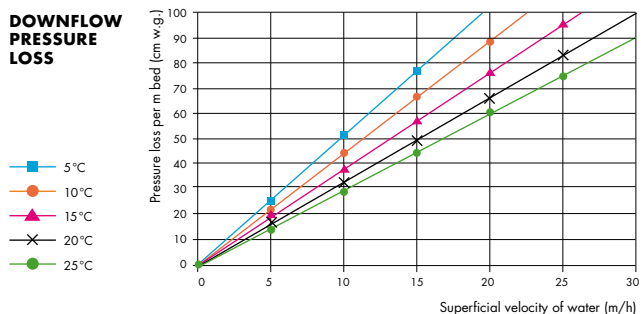


AquaSorb™ 1000 12x40 mesh

BED EXPANSION DURING BACKWASH



DOWNFLOW PRESSURE LOSS



Bed expansion and pressure loss curves are provided for the most commonly used particle sizes. Charts are available for all particle sizes on request.