



TECHNICAL DATA SHEET

DYNAMIC ANTHRACITE FILTER MEDIA

Anthracite Filter Media

Anthracite filter media is a select coal, mined and processed for use in water filtration. It is ideal for single bed, dual bed or multi-media filtration systems.

General information

Dynamic ® is an anthracite filter media is a selected coal, mined and processed for water treatment. Dynamic ® guarantees safe and continuous operation requiring minimal maintenance due to its stable structure. Thanks to higher rates of mechanical strength (wearability and grindability), lower intensity and duration of backwashing of the filter material does not destruct during the restoring of its characteristics. Dynamic ® filter media meet the purity requirements of the European standards which specify the harmlessness to human health.

Fields of application

Dynamic ® filter media have found wide application in all water sectors and is used for potable, industrial, process, waste water and swimming-pool water. Dynamic ® is used as filter media in both open and closed fixed bed filters for:

- removal of suspended solids
- condensate filtration
- protection of coal filters, ion exchangers and RO membranes;
- filtration of reverse cycles
- filtration of coagulated water
- filtration of turbid well, spring, surface and artesian water
- filtration of waste water
- swimming-pool water.

Chemical and physical data

No.	Item	Test index
1	Fixed carbon	80% Min
2	Specific Gravity	1.4-1.6g/cm ³
3	Ash	2.5% Max
4	Moisture	2% Max
5	Wear rate	1.5% Max
6	Crush rate	1.6% Max
7	Void volume	48-53%
8	Solubility of hydrochloric acid	1.28% Max
9	Coefficient of nonuniformity	1.15-1.2
10	Mohs hardness	3.2-3.8
11	Bulk density	0.8-0.85g/cm ³

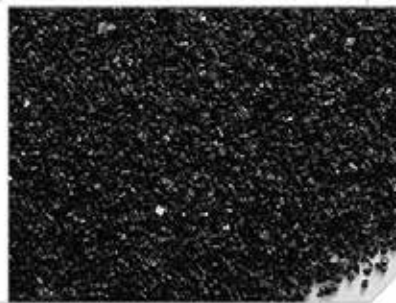


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0.5-1 mm



0.8-1.6 mm



1-2 mm



2-4 mm



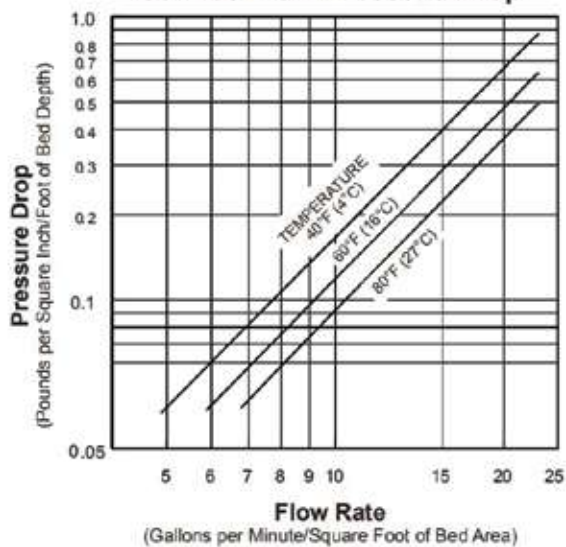
4-6 mm



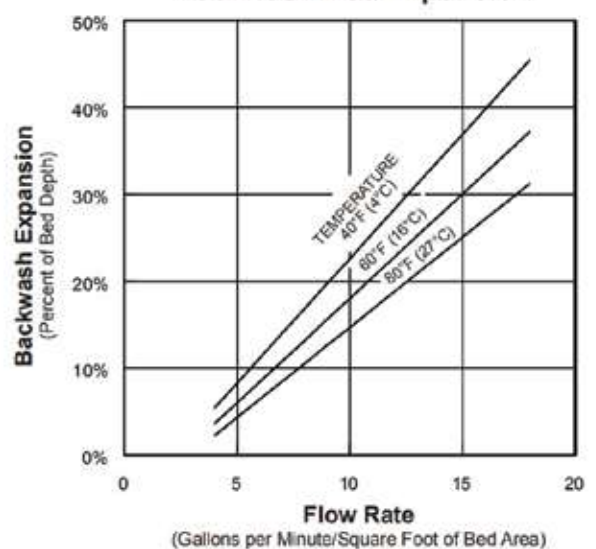
6-8 mm



Service Flow Pressure Drop



Backwash Bed Expansion





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Advantage

Higher service flows and longer filter runs than equivalent sand filters

- Close attention to gradation, hardness and purity assures consistent and reliable performance
- Unique density allows Anthracite to be combined with other filtration media in multi-media filters
- Lower coefficient of nonuniformity has less oversized and undersized particles resulting in a highly uniform bed

Storage

Dynamic ® should be stored in an intact closed original package in order to prevent contamination of material. Refilling should be done exclusively out of original containers.

Delivery

Dynamic ® is delivered:

- in 25 Kg PE palletised bags (pallets 1 m³)