issue: 1th January 2014 Rev. Nr.: 001

AQUARBO® S835

Product Description

AQUARBO® S835 activated carbon is granular activated carbon, which is often used for water purification due to their remarkable resistance to abrasion and to their high adsorption capacity. S835 is produced by the steam activation process out of selected stone coal. Activated carbon made of special stone coal is very hard and therefore extremely resistant to abrasion, which allows repeated backwashing. Additionally high activity ensures adsorption of a higher amount of pollutants than other activated carbon types. The technical data are according to DIN 12915-1 and EN 12902.

S835 has a particle size ranging between 0.6 – 2.4 mm.

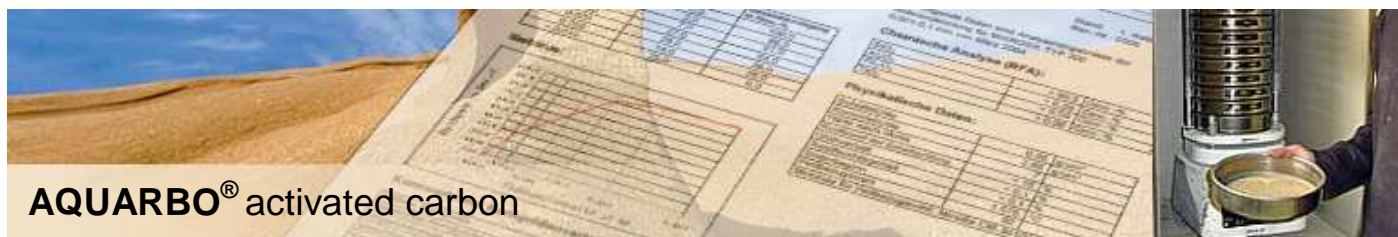
Typical applications for S835

Since many years S835 is used in the field of water purification. Typical applications are:

- Potable water treatment: removal of chlorine, odour removal, improvement of taste, removal of ozone, removal of dissolved organics, pesticides, herbicides
- Treatment of water in swimming pools
- Beverage industry: removal of chlorine
- Home water filters
- Power stations: removal of oil from condensate
- Waste water treatment: treatment of industrial effluent
- Ground water sanitation

Packing

The standard packing of S835 is a 25 kg paper bag with a polyethylene-bag inside. Alternatively Euroquarz can supply S835 in 500 kg big bags and if required also in bulk.



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Specification

AQUARBO® S835

Appearance

granular carbon

Particle size

mm

0.6 – 2.4

Apparent density

kg/m³

500 +/- 30

Water content, as packed, maximum

%

5

Hardness

%

85

Iodine number, minimum

mg/g

900

Specific surface area, BET-method

m²/g

900

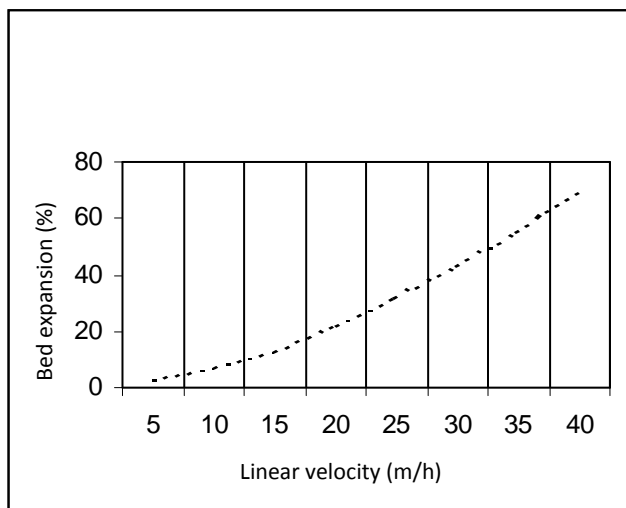


Figure 1: Typical bed expansion curves
All values are measured at 5 °C

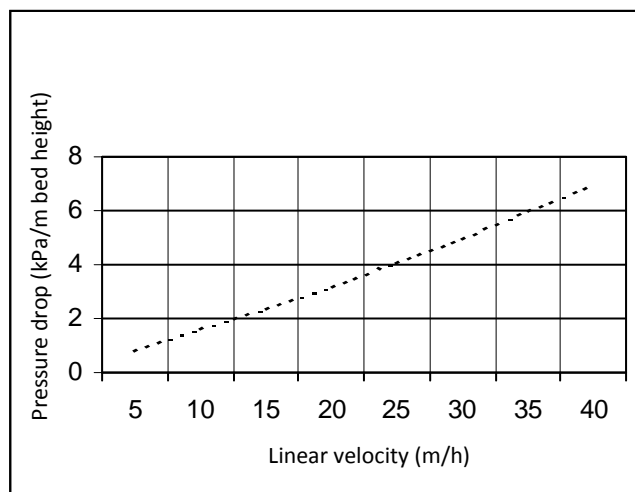


Figure 2: Typical pressure drop curves
All values are measured at 5 °C