

# **COAL BASE** **GRANULAR ACTIVATED CARBON**

The coal base activated carbon is made from strictly selected coal by using special technology. It features highly developed porous structure and large special surface, especially large micropore volume, and also great hardness, wear and impact resistance, and ease of regeneration.

Due to its highly developed porous structure and huge specific surface area, activated carbon has very strong adsorption capacity. Activated carbon can also be impregnated with chemicals to produce impregnated activated carbons. Thus, it is used at an excellent adsorbent, to find wide applications in industrial production, environmental protection, and water purification.

## **APPLICATION**

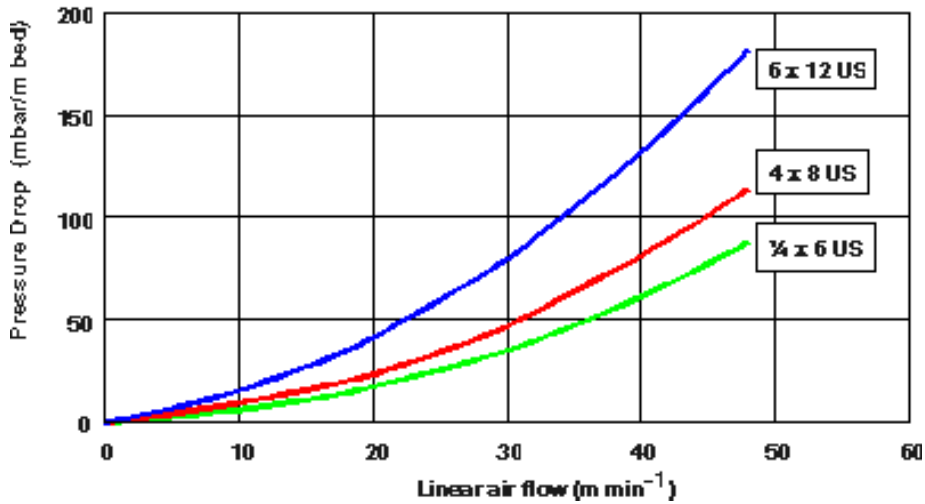
The activated carbon plays a non-fungible important role in preparation of highly pure water and increasingly significant role in purification of industrial wastewater. It is also a top-grade purifying material to be used in preparation of highly pure water in prior removal of COD & BOD and other detrimental impurities in large volume feed water. Still, it can effectively remove COD, BOD, color, and odor.

**A) Activated Carbon (Model : ID 950)**

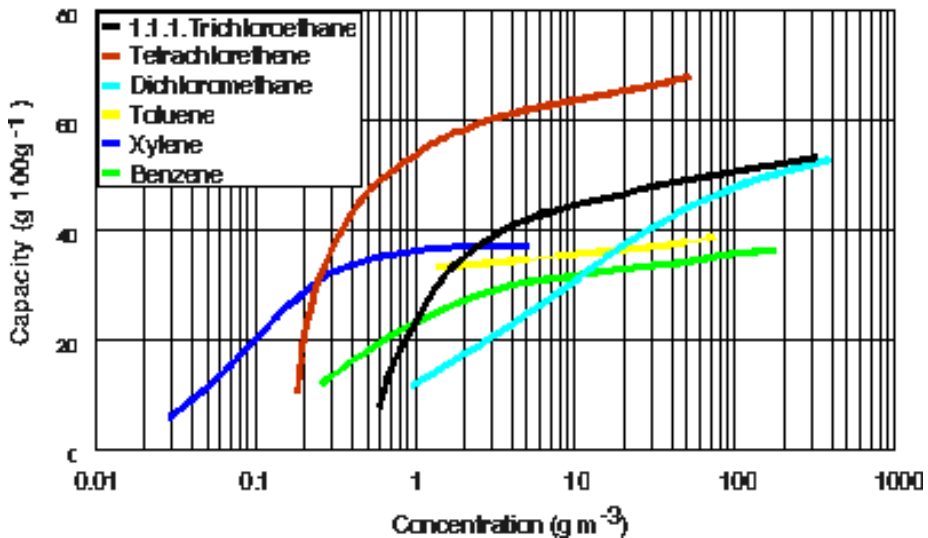
Technical Specification :-

USS Mesh Size	a) 8 x 30 mesh (PS : 0.6 – 2.36mm) b) 8 x 16 mesh (PS : 1.18 – 2.36mm)
Iodine Value	950 mg/g min
Methylene Blue Adsorption	150 mg/g min
Surface Area	1000 m <sup>2</sup> /g min
Moisture Content	< 5 %
Ash Content	< 8 %
Hardness	90 % min
Bulk Density	0.45 – 0.52 g/ml
pH Value	8-10
Carbon Tetrachloride Adsorption	70% min

**Microcarb FY5 effect of particle size**



**Filtracarb FY5 adsorption isotherms**

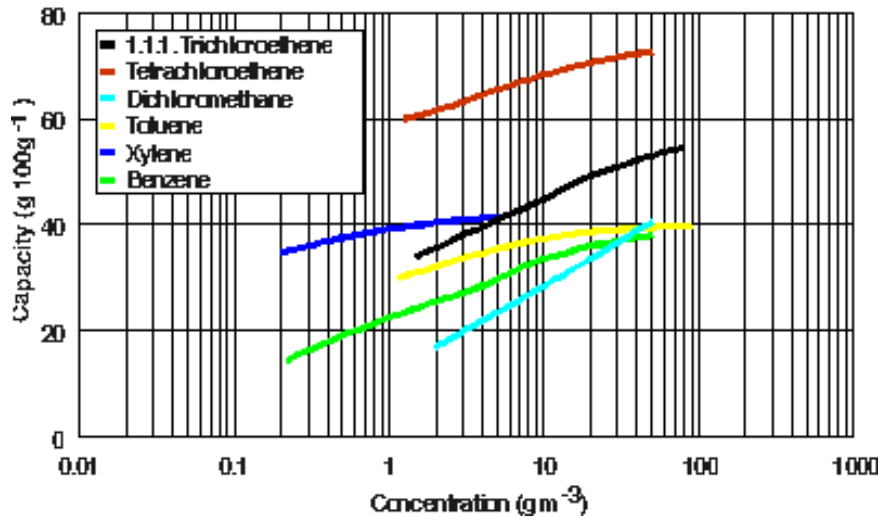


**B) Activated Carbon (Model : ID 1050)**

Technical Specification :-

USS Mesh Size	a) 8 x 30 mesh (PS : 0.6 – 2.36mm) b) 8 x 16 mesh (PS: 1.18 – 2.36mm)
Iodine Value	1050 mg/g min
Methylene Blue Adsorption	180 mg/g min
Moisture Content	< 5 %
Ash Content	< 8 %
Hardness	95 % min
Bulk Density	0.45 – 0.52 g/ml
pH Value	8-10
Carbon Tetrachloride Adsorption	65 % min

**Filtracarb D43 adsorption Isotherms**



**Filtracarb FY5 effect on temperature**

**Benzene**

