



# ACTIVATED CARBON FILTER SYSTEMS

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## ACTIVATED CARBON FILTER SYSTEMS

Activated carbon filters are used for the removal of color, taste and odor in water. Activated carbon mineral has a porous structure. Organic materials can be absorbed (held on surface) and removed from the water. By the help of porous structure of active carbon, all organic based pollutants and chlorine are removed from the water. In case of filled pores, activated carbon media shall be replaced. Most common raw materials during manufacturing of the activated carbon are coconut shell, coal, wood and oil residues.



1. Activated Carbon Mineral
2. Gravel Layer
3. Nozzle Plate
4. Nozzle Distribution Structure
5. Side Manhole Cover
6. Filter Inlet
7. Filter Outlet
8. Air Relief Cock
9. Backwash Outlet

# ACTIVATED CARBON FILTER SYSTEMS

## FRP Tank Activated Carbon Filters



### TECHNICAL SPECIFICATIONS

Tank Dimensions: 8"x35" ... 63"x86"

Tank Material: FRP

Filtration Rate: < 20 m/h

Inner Distribution Structure: Diffuser Distribution Structure

Piping: PVC

Control\*: Automatic Control Valve / Pneumatic / Electric Act. Valve

Working Pressure: 2-6 Bar

(\* Can be applied with surface piping after 30 "x72" models)

## Carbon Steel Tank Activated Carbon Filters



### TECHNICAL SPECIFICATIONS

Diameter: Ø1000 mm ... Ø3200 mm

Cylindrical Height: 1800 mm

Type: Vertical / Horizontal

Tank Material: Epoxy Coated Carbon Steel

Filtration Rate: < 20 m/h

Inner Distribution Structure: Nozzle

Piping: PVC / Galvanized

Control: Pneumatic / Electric Act. Valve

Working Pressure: 2-6 bar

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## Activated Carbon Filter Systems

### TECHNICAL SPECIFICATION

*Diameter:*  $\varnothing 1000$  mm ...  $\varnothing 3200$  mm

*Cylindrical Height:* 1800 mm

*Type:* Vertical / Horizontal

*Tank Material:* 304 / 316 Stainless Steel

*Filtration Rate:* < 20 m/h

*Inner Distribution Structure:* Nozzle

*Piping:* 304 / 316 Stainless Steel

*Control:* Pneumatic / Electric Act. Valve

*Working Pressure:* 2-6 bar





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