



## *Progressive Water Treatment, Inc.*

### **COMMERCIAL/INDUSTRIAL/MUNICIPAL**

Carbon Filters-Taste and Odor Removal

SERIES: CF – 1” Through 6” IPC

20” Through 120” Diameter

### **PWT CARBON FILTRATION SYSTEMS**

The primary purpose of carbon filters (filled with “activated carbon”) is to eliminate chlorine and remove organic material from source waters including ground, surface, municipal, and waste. Activated carbon removes chlorine as well as residual traces of trihalomethane and other taste, color and odor-producing organic molecules. The process is called adsorption.



The water to be treated passes downward through the carbon media at a controlled flow rate. The bed is backwashed (reverse flow) to fluff up the bed, and remove collected particles by washing to drain. Backwashing will also prevent channeling. All steel tanks are epoxy lined inside. Standard production units consists of 100 lbs. working pressure FRP tanks (up to 60” x 72”), and steel tanks (66”D and above), tested to 150 lbs. On larger units, there will be five low pressure drop valves used to perform the steps of backwashing, fast rinse and service.

### **STANDARD FEATURES**

- ✓ Automated units
- ✓ 100 PSI FRP or Carbon Steel tanks
- ✓ Top mount Control Valves (up to 48”D tanks)
- ✓ Actuated PVC Ball or SST Disc Butterfly Valves (52”D tanks and up)
- ✓ Schedule 80 PVC Internal and External Piping
- ✓ Inlet/Outlet SST Pressure Gauges

### **OPTIONAL FEATURES**

- ✓ ASME Code Construction and stamp
- ✓ Manual Systems
- ✓ Explosion Proof Controls
- ✓ PLC Controls/HMI
- ✓ Hot water/Steam Sanitizable Units
- ✓ Carbon Steel, or Stainless Steel Internal/External Piping
- ✓ Service and/or Backwash Flow Sensors
- ✓ Pressure transmitters
- ✓ DP gauge, DP Switch or transmitter
- ✓ ORP or Chlorine Monitors

***BUILDING RELATIONSHIPS FIRST AND EQUIPMENT THAT LASTS***

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