

# Granular Activated Carbon

Pressure Contactors



**WESTTECH**<sup>®</sup>

# Granular Activated Carbon Contactors



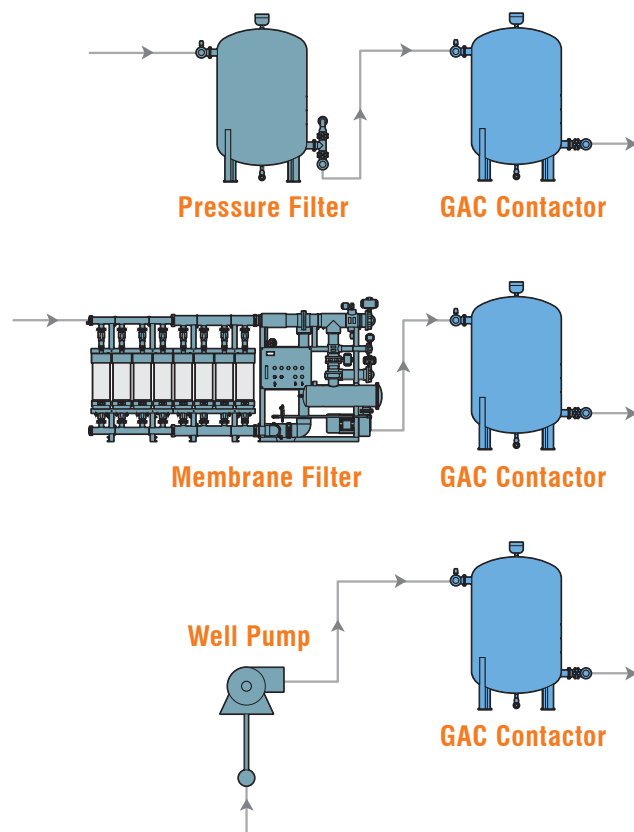
For nearly half a century, WesTech has been a recognized leader in the manufacture of granular activated carbon (GAC) contactors for municipal and industrial water treatment. Choosing a GAC integrator with complete process knowledge and years of water treatment experience is a vital part of your GAC solution.

## Why Choose GAC Contactors?

WesTech granular activated carbon (GAC) pressure contactors are an effective means for removal of various-molecular-weight contaminants from aqueous solutions. They are especially suited for the removal of dissolved organic compounds responsible for poor taste and odor in drinking water, as well as removal of a variety of contaminants that can be found in industrial and municipal waters.

WesTech GAC contactors can be supplied in an open-top gravity system or, more commonly, in pressure vessels. They are typically designed with a conical underdrain for convenient GAC replacement. GAC contactors are sized according to the contact time required for contaminant removal and desired media replacement frequency. Filter piping and valving for multiple units can be arranged to easily change flow paths between parallel flow, series (lead/lag or daisy chain) flow, or single-unit flow patterns. GAC contactors are typically backwashed only once upon new media installation, and the media usage front is then monitored via sample taps to allow for anticipation of media replacement.

## GAC Flow Configurations



## Granular Activated Carbon

When designing a GAC system, it is important to first determine the type of GAC to be used in each plant. There are many different types of GAC that originate from different base materials, including bituminous, lignite, wood, and coconut shell.

Utilizing laboratory testing capabilities and field pilot plant studies, WesTech can facilitate in helping determine which carbon is best for your application.

### Standard GAC Contactor Sizes

Quantity of Carbon (lbs)	Vessel Diameter (ft)
20,000	10 and 12
40,000	12 and 14
60,000	14



**Granular Activated Carbon:** Commonly used for adsorption applications, e.g., taste, odor, TOC, SOC removal.

**Air/Vacuum Relief Valve**

**Influent/Flush Waste**

**Sample Valves**

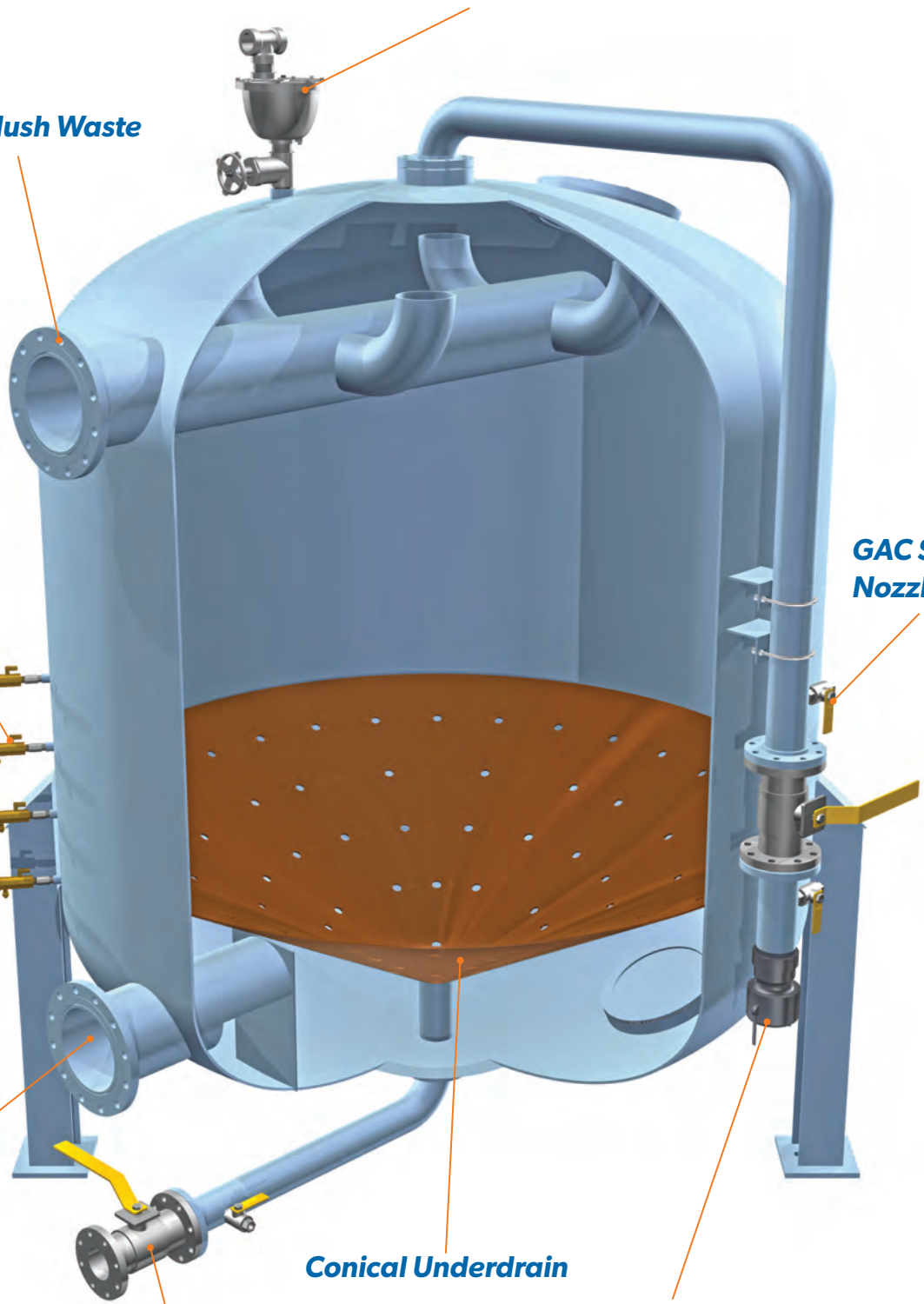
**GAC Sluicing Nozzle**

**Effluent/Flush Supply**

**Conical Underdrain**

**GAC Inlet**

**GAC Outlet**





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