Quad-Plex Carbon Series with Dot Matrix Commercial Control Valve on 24x72 Tanks

The perfect product for your commercial and industrial applications including restaurants, apartments & laundromats.
The Charger PRO H2O Series

WATER TREATMENT SYSTEMS

Quad-Plex Carbon Series with 2" Dot Matrix on 24x72 Tanks
continuous flow 63 gpm/peak flow 126 gpm

- 2" Top mount control valve suited for commercial/industrial applications
- Lead free brass construction
- Economical stainless steel optional meter assembly
- Continuous flow rate of 63 gpm, peak flow rate 126 gpm
- Solid state microprocessor with easy access front panel settings
- Blue backlit dot matrix display with energy saver mode, backlight will automatically shutdown with 5 minutes of no button actuation
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Optional double backwash feature offers optimum regeneration, cleaning ability, and efficiency
- Fully adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining/slow rinse, second backwash, fast rinse, refill and downflow service
- Coin cell lithium battery back-up for time of day for the life of the battery
- 15-volt AC Adapter provides safe and easy installation
- Post treated water regenerant refill
- Programmable service call alarm

APPLICATIONS
- groundwater
- water processing
- ultra pure water
- surface water
- environmental water
- remediation
- water treatment
- bottle & brewing
- food & beverage

Your Charger Water Treatment Dealer:

chargerwater.com
### Coconut Carbon

- Low ash
- A strongly adsorbing pore structure optimal for the treatment of chlorine and other organics
- High hardness relative to other raw materials
- Hardness and abrasion resistance required for thermal reactivation and minimizing generation of fines in operations requiring backwashing
- Pore structure provides a wide range of contaminant removal capabilities

<table>
<thead>
<tr>
<th>Specifications</th>
<th>OLC 12x40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iodine Number, mg/g</td>
<td>1050 min</td>
</tr>
<tr>
<td>Ash, wt%</td>
<td>4.0 max</td>
</tr>
<tr>
<td>Moisture (As packaged), wt%</td>
<td>5 max</td>
</tr>
<tr>
<td>Density (Apparent), g/cc</td>
<td>0.48 min</td>
</tr>
<tr>
<td>Hardness Number</td>
<td>95 min</td>
</tr>
<tr>
<td>12 US Mesh [1.70 mm], wt%</td>
<td>5 max</td>
</tr>
<tr>
<td>&lt;40 US Mesh [0.425 mm] (PAN), wt%</td>
<td>4 max</td>
</tr>
</tbody>
</table>

### Centaur

CENTAUR 12x40 is a unique catalytic activated carbon that can be utilized in the liquid phase for the promotion of oxidation, reduction, decomposition, substitution, and elimination reactions. Specific applications include chloramines and hydrogen sulfide removal from potable, process and other waters and peroxide destruction.

The catalytic activity and enhanced adsorption ability makes CENTAUR 12x40 a good performer in other applications such as the treatment of process water in the bottling and soft drink industries and in treating aquarium water.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Centaur 12 x 40</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iodine Number, mg/g</td>
<td>825 min</td>
</tr>
<tr>
<td>Ash, wt%</td>
<td>7 max</td>
</tr>
<tr>
<td>Moisture (As packaged), wt%</td>
<td>3 max</td>
</tr>
<tr>
<td>Abrasion Number</td>
<td>75 min</td>
</tr>
<tr>
<td>Density (Apparent), g/cc</td>
<td>0.56 min</td>
</tr>
<tr>
<td>Hardness Number</td>
<td>0.9-1.1</td>
</tr>
<tr>
<td>12 US Mesh [1.70 mm], wt%</td>
<td>5 max</td>
</tr>
<tr>
<td>&lt;40 US Mesh [0.425 mm] (PAN), wt%</td>
<td>4 max</td>
</tr>
</tbody>
</table>

### Filtrasorb 400

- Produced in the United States from a pulverized blend of high quality, domestically mined bituminous coals resulting in a consistent, high quality product.
- Carbon granules are uniformly activated through the whole granule, not just the outside, resulting in excellent adsorption properties and constant adsorption kinetics.
- The reagglomerated structure ensures proper wetting while also eliminating floating material.
- High mechanical strength relative to other raw materials, thereby reducing the generation of fines during backwashing and hydraulic transport.
- Carbon bed segregation is retained after repeated backwashing, ensuring the adsorption profile remains unchanged and therefore maximizing the bed life.
- Reagglomerated with a high abrasion resistance, which provides excellent reactivation performance.
- High density carbon resulting in a greater adsorption capacity per unit volume.

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Filtrasorb 400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iodine Number, mg/g</td>
<td>1000 min</td>
</tr>
<tr>
<td>Moisture by Weight</td>
<td>2% max</td>
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<tr>
<td>Effective Size</td>
<td>0.55-0.75mm</td>
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<tr>
<td>Uniformity Coefficient</td>
<td>1.9 max</td>
</tr>
<tr>
<td>Abrasion Number</td>
<td>75 min</td>
</tr>
<tr>
<td>Screen size by Weight, US Sieve Series</td>
<td></td>
</tr>
<tr>
<td>On 12 mesh</td>
<td>5% max</td>
</tr>
<tr>
<td>Through 40 mesh</td>
<td>4% max</td>
</tr>
</tbody>
</table>

Calgon Carbon test method

### Filtrasorb 600

With its enhanced high energy pore structure, FILTRASORB 600 is ideally suited for trace removal applications and offers a significant performance advantage over traditional activated carbon products used in these types of applications.

Specific applications include:
- Removal of MTBE
- Removal of DBCP
- Removal of THMs
- Removal of pesticides and herbicides
- Removal of other organics at concentrations < 1 ppm
- Potable water treatment
- Groundwater treatment
- Ultra pure water treatment
- PFAS treatment

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Filtrasorb 600</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iodine Number, mg/g</td>
<td>850 min</td>
</tr>
<tr>
<td>Moisture by Weight</td>
<td>2% max</td>
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<tr>
<td>Abrasion Number</td>
<td>80 min</td>
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<tr>
<td>Trace Capacity Number, mg/g</td>
<td>16 min</td>
</tr>
<tr>
<td>Screen size by Weight, US Sieve Series</td>
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</tr>
<tr>
<td>On 12 mesh</td>
<td>5% max</td>
</tr>
<tr>
<td>Through 40 mesh</td>
<td>4% max</td>
</tr>
</tbody>
</table>

Calgon Carbon test method
## OPTIONS Available

### 2" Alternating Valve
- 2" NPT or 2" BSPT
- Lead free brass casting with black coating
- Allows for two H2O Pro light or heavy valves to be a twin alternating system
- Full 2" ports with minimal pressure loss
- Provides for no raw water bypass during regeneration
- Provides choices of treated or non-treated water regeneration
- Proven and reliable AC drive assembly

### Stainless Steel Meter
- 2" inline meter suited for commercial/industrial applications
- Stainless steel construction
- Service flow range 1.5 to 150 gpm (5.7-568 lpm)
- Meter accuracy ±5%
- Reliable and proven turbine design
- 15-foot cable included
- 2" male and female NPT or BSPT connection

### 1.5" DLFC Valve
- 1.5" male NPT x 1.5" Female NPT inline drain line flow control suited for commercial and industrial applications
- Stainless steel housing
- Flow rates from 9 gpm to 85 gpm
- Reliable and proven flow washer design
- 1.5" Male NPT inlet with 1.5" Female NPT or BSPT outlet
- Easily disassembled with four bolts for cleaning
- For use on model WS1.5 and other manufacturer controls

### 2" NHWBP Valve
- 2" NPT or 2" BSPT
- Durable 316 stainless steel casting
- Hydraulically balanced piston valve
- Allows for our 2" valves to be used in multi-tank systems
- Full 2" ports with minimal pressure loss
- Provides for no raw water bypass during regeneration
- Provides choices of treated or non-treated water regeneration for our 2" valves
- Proven and reliable AC drive assembly
- Low voltage drive assembly controlled by valve’s circuit board
- Flow from male inlet to female outlet has a 2.4 PSI drop at 60 GPM
- Operating pressures: 20 PSI minimum/125 PSI maximum
- Operating temperatures: 40°F minimum/110°F maximum

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