

Carbon Treatment Systems

Series CTM / CTL

Features:

- ◆ Leak-proof
- ◆ Choice of Corrosion Resistant in-tank or out-of-tank pumps.
 - Horizontal seal-less centrifugal magnetic pumps
 - Horizontal centrifugal single or double mechanical sealed pumps.
 - Vertical immersible cantilevered seal-less pumps with dry run capability.
- ◆ Rugged, All Plastic Construction.
- ◆ Reusable polypropylene mesh carbon bags with handle, velcro opening one end.
- ◆ CPVC, Polypropylene, PVDF.
- ◆ Sulfur Free Activated Free Coconut Based Carbon.



Optional slurry tank for chemical addition, pre-coating, powdered carbon slurry, or pump priming.

Recommended Applications

Purification of Acid and Alkaline Solutions Precious Metal Baths and other High Purity Solutions

Sizing your system is made easy using the following formula comparing lbs. per hundred gallon and level of contamination.

| Mild contamination | Moderate contamination | Heavy contamination |
|--|------------------------------|-------------------------------|
| 1-3 lbs. per hundred | 4-7 lbs. per hundred gallons | 8-10 lbs. per hundred gallons |
| Flow rate 0.50 gallon per minute per lbs. of carbon. | | |

Resident contact time is the essential ingredient for a successful decontamination process. Less is best when adsorbing organic contaminants. Whether choosing the familiar Penguin P series vertical in tank pump, horizontal centrifugal seal-less magnetic drive or mechanical seal style Penguin has the right pump for the right job.

Filter Pump Industries offers complete single or dual chamber systems with slurry tank for the more contaminated baths requiring more holistic and aggressive approach to organic removal. Our slurry tank configuration allows pre-coating of the cartridge media (1-3 micron density) with flocculent producing a very tight filter surface to trap and capture the loose powder carbon.

All Penguin systems take into consideration the flow and performance values you expect in a superior product. Penguin has the right treatment system for you. Contact your Filter Pump Industries application engineer for further details.

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| System Model | Pump Model | Chamber Model | Carbon Treatment | Capacity Filter-Carbon | Dimensions | | | |
|--------------|------------|---------------|------------------|------------------------|------------|-----|-----|-----|
| | | | | | Ht | Wth | Lth | Wt |
| CTM-P600 | P-3/4A | 6CT-6A | 250-500 | 3-6" / 5 | 38 | 18 | 21 | 113 |
| CTM-M600 | MTD-1/2B | 6CT-6A | 250-500 | 3-6" / 5 | 38 | 18 | 21 | 113 |
| CTM-P900 | P-1/2AK-HP | 6CT-9A | 450-720 | 3-10" / 10 | 48 | 18 | 21 | 122 |
| CTM-M900 | MTD-3/4B | 6CT-9A | 450-720 | 3-10" / 10 | 48 | 18 | 21 | 122 |
| CTM-P1500 | P-1AK | 8CT-15A | 600-1050 | 5-10" / 18 | 38 | 20 | 23 | 132 |
| CTM-M1500 | MTD-1B | 8CT-15A | 600-1050 | 5-10" / 18 | 38 | 20 | 23 | 132 |
| CTL-P2400 | P-11/2AK | 12CT-24A | 1200-1920 | 12-6" / 35 | 38 | 28 | 24 | 175 |
| CTL-M2400 | MTD-11/2B | 12CT-24A | 1200-1920 | 12-6" / 35 | 38 | 28 | 24 | 175 |
| CTL-P3600 | P-2AK | 12CT-36A | 1800-2520 | 12-10" / 50 | 48 | 28 | 24 | 240 |
| CTL-M3600 | MTD-2B | 12CT-36A | 1800-2520 | 12-10" / 50 | 48 | 28 | 24 | 240 |
| CTL-P4800 | P-2AK | 2-12CT-24A | 1800-2880 | 24-6" / 70 | 38 | 32 | 48 | 360 |
| CTL-M4800 | MTD-2B | 2-12CT-24A | 1800-2880 | 24-6" / 70 | 38 | 32 | 48 | 360 |
| CTL-P7200 | P-2AK | 2-12CT-36A | 2700-3400 | 24-10" / 100 | 48 | 32 | 48 | 450 |
| CTL-M7200 | MTD-2B | 2-12CT-36A | 2700-3400 | 24-10" / 100 | 48 | 32 | 48 | 450 |

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