

# 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 design seal-less magnetic drive or mechanical seal style Penguin has the right pump for the right job. All models take into consideration the flow and performance values you expect in a superior product.

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-H600	HV-1/2SD	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-H900	HV-3/4SE	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
CTM-H1500	HV-1SE	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
CTM-H2400	HV-1 1/2SE	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
CTM-H3600	HV-2SE	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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