

Cooling Tower Filter

For Side Stream Filtration



1257 Stanley Ave, Dayton, OH 45404

Compact design filters all the way down to 0.5 nominal micron where most of the solids exist!

Modular Design

Can be installed in single or multiple unit configurations to meet your specific needs.

Non-Corrosive Design

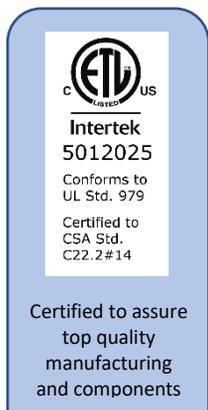
PVC / Fiberglass / Powder coated aluminum frame.

Durable Grundfos Pump

Superior to other pumps in the industry. TEFC MLE motor exceeds the Premium Efficiency rating and UL NEMA 3R environmental rating.

Ease of Installation / Operation

Solid state programmable controller for simple, reliable, timed or on demand operation.



Rugged NEMA4 enclosure with motor-starter and safety disconnect.

Three-way motorized ball valves.

Single point electrical connection.

Fits through a standard door, no need for special equipment or cranes.

All media preloaded.



CT filters easily fit through doorways and can be combined in parallel for any size tower.

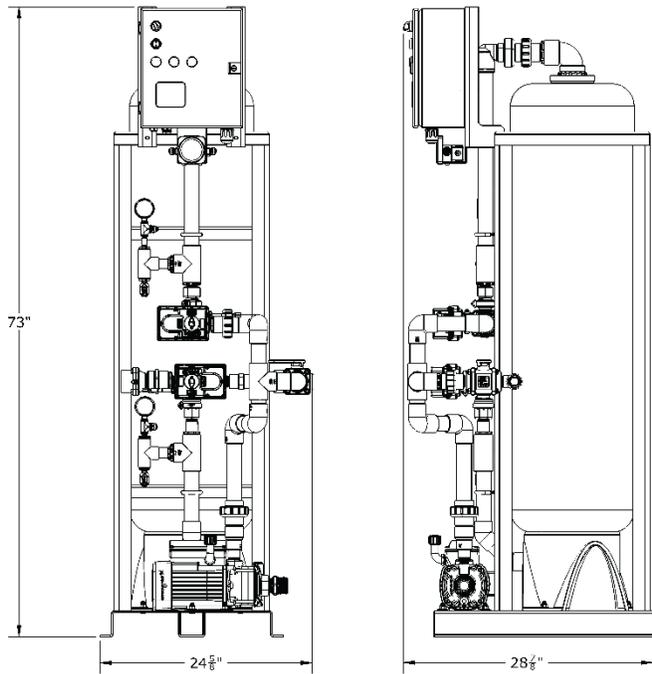


Backwash Options

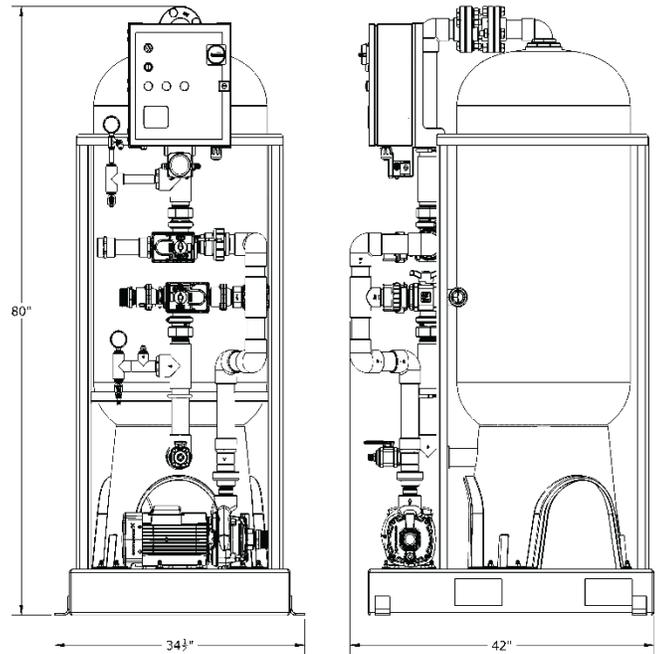
City water or tower water backwash source can be used. Initiated by differential pressure, 24-hour timer, or manual push button.

Actual Results from Particle Distribution Analysis

Micron Size	Before NuStream	After NuStream	Percent Removal
1 – 2	8,183,675	8769	>99%
3 – 4	3,492,245	2,192	>99%
5 – 8	480,349	678	>99%
9 – 12	77,745	299	>99%
13 +	24,308	38	>99%



CT30 Dimensions



CT70 Dimensions

Sizing Formula

Tower tonnage x 3 x 2% = Flow Rate
 Side stream 2 to 5% of recirculation flow
 2% for normal, 5% for high particulate



Sizing Example

1000-ton tower, normal operation

1000 x 3 = 3000
 3000 x .02 = 60

Model CT 70
 70 GPM

Description	Model CT30	Model CT70
Service Flow Rate	30 GPM	70 GPM
Backwash Flow Rate	12 GPM	35 GPM
Tank Diameter	14"	24"
Outside Dimensions, w x d x h	24.75" x 29" x 73"	34.5" x 42" x 80"
Working Pressure	10 – 85 PSI	10 – 85 PSI
Inlet Connection	1.5" MNPT	2" FNPT
Outlet Connection	1.5" FNPT	2" MNPT
Drain Connection	1" FNPT	1.5" FNPT
Clean Water BW Connection	1" FNPT	1.5" FNPT
Pump Motor TEFC Horsepower	1.5 HP	4 HP
Pump Motor Voltage / AMP	115V / 20 AMP Dedicated	208V = 9.0 AMP 230V = 8.5 AMP 460V = 4.3 AMP 575V = 3.7 AMP
Approximate Shipping Weight	530 lbs.	1185 lbs.
Approximate Operating Weight	800 lbs.	1500 lbs.