



CTF-80 203 mm system

## General Information

Valve and Filter's CTF-Series (Cooling Tower Filter) Systems are designed and built for:

- ease of installation,
- the most efficient cleaning in the industry,
- total automation, adjustability and control, and
- minimal maintenance.

The CTF-Series footprint is small, and installation is as simple as it gets with four easy steps. Connect the inlet, the outlet, the flush line and the power, and the system is ready to clean your tower.

Filtration of cooling towers increases efficiency, decreases downtime, reduces chemical requirements, and protects the entire system from damaging contaminants.

This system utilizes the newest, state-of-the-art self-cleaning screen filtration technology available today. The CTF-Series Cooling Tower Filter System is capable of removing 100% of all suspended solids greater than the screen micron opening, including "floaters" (particles with a specific gravity less than water). Also, the flush cycle occurs only when it is needed. Flush duration is only 15 - 20 seconds. The result is the lowest flush flow available - only a few gallons per flush - minimizing water waste.

The CTF-Series System comes with high quality controls and gages that allow you to monitor cleaning performance and to adjust for a wide range of changing conditions. The skid is constructed of heavy duty carbon steel diamond plate platform with a carbon steel channel frame.

Call Valve and Filter to discover more about the CTF line.

# CTF-Series Cooling Tower Filter Systems

## CTF-Series Specifications

<b>Filter</b>	<ul style="list-style-type: none"><li>• Model V-Series</li><li>• 316 SS**</li><li>• 316L SS sintered **</li><li>• 15 to 1500 micron **</li><li>• 1 MPa **</li><li>• 80° C (176° F) **</li></ul>
<b>Controls</b>	<ul style="list-style-type: none"><li>• Model VF4-AC - electronic</li><li>• alarm output</li></ul>
<b>Flowmeter</b>	<ul style="list-style-type: none"><li>• Model MX-Series Mag Meter</li></ul>
<b>Flow Range</b>	<ul style="list-style-type: none"><li>• 1 to 94.5 lps per skid</li></ul>
<b>Pump</b>	<ul style="list-style-type: none"><li>• Close coupled, centrifugal</li><li>• 220 VAC single or 3-phase, or</li><li>• 440 VAC 3-phase</li></ul>
<b>Gages</b>	<ul style="list-style-type: none"><li>• Liquid filled</li></ul>
<b>Skid</b>	<ul style="list-style-type: none"><li>• Carbon steel channel</li><li>• Carbon steel diamond plate</li></ul>

\*\* Other options are available on request.

Every skid is manufactured and assembled in the USA, and is fully tested prior to delivery.

## Valve and Filter

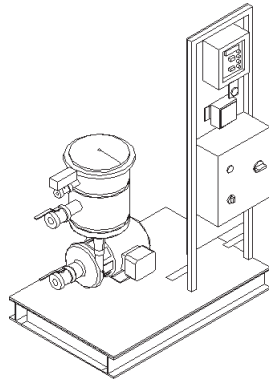
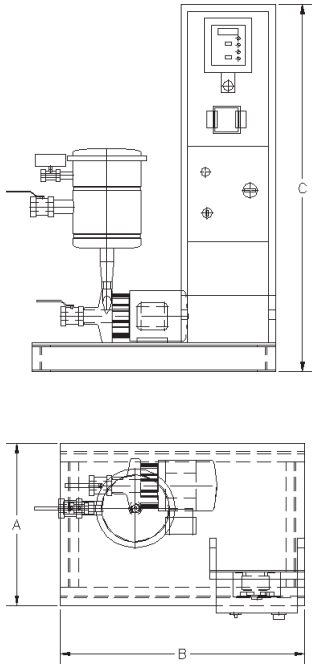
5270 Marshall Street, Arvada, CO 80002 USA

Phone 303-425-4242 Fax 303-425-0112

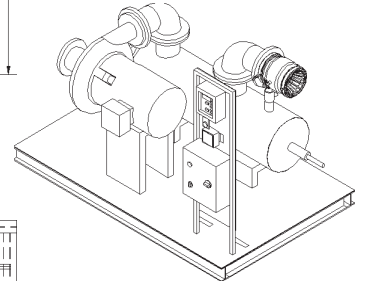
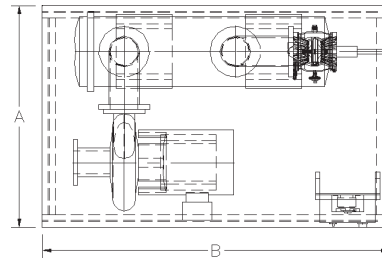
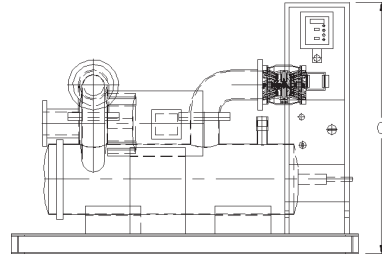
[www.valveandfilter.com](http://www.valveandfilter.com)

[sales@valveandfilter.com](mailto:sales@valveandfilter.com)

## Dimensions



drawing shown is model CTF-20  
50.8 mm system

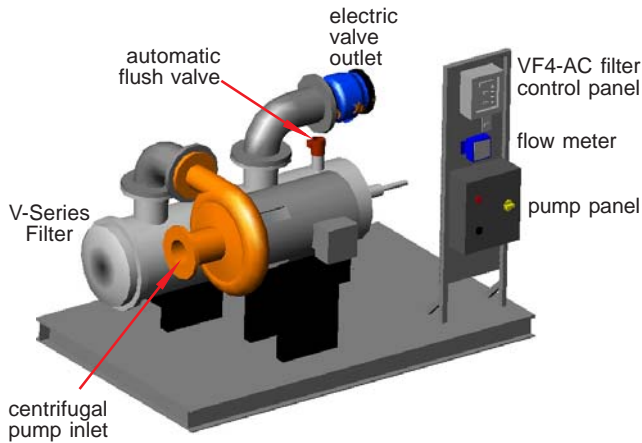


drawing shown is models CTF-30 thru CTF-80  
76 to 203 mm systems

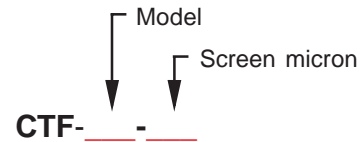
Model	Flow Range (l/s)	Inlet & Outlet Size (cm)	Flush Line (cm)	Skid Dimensions			Pump (KW)	Filter		Flow Meter Model (optional)	
				Width	Length (cm)	Height		Model	Screen Area (sq. cm)		Flush Volume (l)
CTF-20	1.25 - 7.6	5.08	2.54	60.96	76.2	139.7	3.7	VLC-125	761.25	75.7	EX 81P
CTF-30	6.3 - 15.75	7.62	3.81	60.96	76.2	139.7	5.6	V-250	1445	30.25	EX 81P
CTF-40	9.5 - 31.5	10.16	3.81	60.96	76.2	139.7	11.2	V-500	2890	56.8	EX 82P
CTF-60	25.25 - 63	15.24	5.08	88.9	190.5	139.7	22.4	V-1000	5593.5	56.8	EX 82P
CTF-80	50.5 - 94.6	20.32	5.08	88.9	190.5	139.7	29.8	V-1500	8387	87	EX 82P

### Typical Application

**CTF-60**  
152.4 mm Filter Skid



### How To Order



**OPTIONS:**

Model	Screen micron **
20	15, 25, 50, 75,
30	100, 120, 180,
40	200, 400, 800,
60	or 1500 micron
80	all models

\*\* Other micron on special request.

**Example:**

20 lps system requiring 100 micron  
**CTF-40-100**

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