# CTV, TFC, CC Технические характеристики

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### **CLEANER TOWERS WITH ZERO DOWNTIME**



CE

# CTV-1501 TowerVac® Efficiency with No Hassles

Safely remove cooling tower sediment sludge without having to drain or shut down the system. This award-winning product features an adjustable flow control that allows you to vacuum at a recovery rate of up to 60 GPM.

Easily remove slime, algae, mud, and other contaminants from the sides and floor of any cooling tower basin or sump. Stop dirty cooling tower water from fouling chillers, robbing efficiency, and increasing energy costs.

**CTV-1501-60:** TowerVac®, including 15' inlet and 25' outlet vinyl crushproof hoses, 48" wand, 6" gulper tool, and storage bag .......

#### **FEATURES**

- · Stainless steel construction
- Heavy-duty motor removes up to 60 gallons of water and debris per minute
- Semi-automatic pump primer
- · Adjustable flow control
- In-line sediment filter
- · Quick connect hoses and tools
- Easy storage of accessories

CTV-1501		
Motor Power	1 1/2 HP	
Input Power	Standard: 15 amps, 115V, 60 Hz AC Optional: 15 amps, 115V, 50 Hz; 7.5 amps, 230V, 60 Hz; or 7.5 amps, 230V, 50 Hz	
Power Supply Cord	21', 14-3 GFCI	
Static Water Lift	25'	
Water Displacement	Variable, 0-60 GPM	
Filtration	3/16" sediment capture	
Pump	Centrifugal	
Dimensions	35" high x 22" wide x 21" deep	
Weight	125 lbs	



#### **ACCESSORIES**

CTV-EH-25: 25' vinyl crushproof extension hose...

**6225A:** 36" extension tube .....

**6225-4A:** 6" gulper tool ......

**6229A:** 20" floor brush.....

**6225-3A:** 12" paddle tool .....

**6228-HOSE-ASSY:** 18" bulk pickup tool on hose extension.....

**6230A:** 6" utility brush.....

220A. 6 dunity brush.....

**CTV-KIT-1501:** TowerVac Accessory Kit 1 1/2": 25' vinyl crushproof extension hose, 36" extension tube, 20" floor brush, 12" paddle tool, 18" bulk pickup tool on hose extension, and 6" utility brush......

Note: Call or visit website for additional accessories.

### **CLEAN AND DISINFECT TOWER FILL**



# **TFC-200**Penetrating Cleaning Power

If the mere sight of scale in your cooling towers makes you cringe, the TFC-200 is here to help you remove scale, increase water flow, and slow down the process of dangerous biological build-up.

The TFC-200 provides a complete all-in-one system by combining Goodway's innovative chemical solutions and pump technology for cleaning lime scale and debris from your cooling tower fill. Simple to operate, you can restore your towers easily and flawlessly with the TFC-200.

First rinse with 3 GPM, 300 PSI, then apply our newly formulated ScaleBreak®-Gel cleaner, switch to turbo nozzle high-volume mode and rinse, that's it! Watch as calcium lime scale deposits literally dissolve away, instantly restoring cooling system performance and lowering health risks. Equipped with two high-performance pumps, the state-of-the-art TFC-200 is powerful, yet safe while quickly removing scale and increasing efficiency.

**TFC-200:** Cooling Tower Fill Cleaning System, includes 25' chemical resistant hose, spray gun, two 36" stainless steel extension wands, Turbo nozzle, Foaming Nozzle, 15° spray nozzle, 40° chemical nozzle, and a 45° quick connect adapter.....

Note: Call or visit website for additional accessories.

#### **ACCESSORIES**

SCLBRK-NEUT-25: 25 pound pail.....

**TOWERSHINE-05:** Cooling Tower Fill Cleaning Solution, 5-gallon bucket......

**FOAM-CLEAR-01:** Foam Clear defoaming solution, 1-gallon bottle.....

BIOSPRAY-TOWER-5: 5 Gallon container .....

Available in 55 gallon drum

#### **FEATURES**

- All-in-one system, compact, can be used virtually anywhere
- Designed for ScaleBreak-Gel, the unique scale cleaner that clings to all surfaces for maximum scale-busting performance
- Heavy-duty, chemical resistant components and dolly
- Internal compartment holds one standard 5 gallon chemical container
- Hose, wand and tool holders
- Includes all wand extensions and nozzles for hard-to-reach areas



	TFC-200	
Input Power	Standard: 15 amps, 115V, 50/60 Hz AC Optional: 7.5 amps, 230V, 50/60 Hz	
Power Supply Cord	21', 14-3 GFCI	
Water Requirements	20 PSI at 3 GPM	
Output Water Pressure	300 PSI	
Output Water Flow	3 GPM	
Rinse Pump	Axial	
Chemical Output Pressure	200 PSI	
Chemical Output	0.5 GPM	
Chemical Pump	Positive Displacement Diaphragm	
Dimensions	45" high x 27" wide x 27" deep	
Weight	130 lbs dry	

### **CONTRACTOR SOLUTION FOR CLEANER TOWERS**



# TFC-JR® Portable Cleaning Power

Designed for cleaning cooling tower fill, the TFC-JR is perfect for contractors and higher volume users. This small and lightweight chemical applicator is designed specifically to apply ScaleBreak®-Gel, our patented descaling gel, and BIOSPRAY®-Tower disinfectant.

It is pretty easy to use the product and requires minimal training. For descaling, all you need to do is attach the chemical siphon tube to the ScaleBreak-GEL container, connect the wands, and correct nozzles, and you can start applying. Let the solution rest over the tower for a while, and then clean it with our CC-400 and turbo nozzle combo.

When the TFC-JR is paired with the CC-400, it creates an innovative system that is used to remove scale deposits from cooling tower fill and other surfaces. Scale deposits are not only ugly to look at, but provide surface areas for bacteria, like Legionella, to flourish.

For disinfection, use the TFC-JR to quickly and evenly apply BIOSPRAY-Tower, which kills 99.9% of Legionella pneumophila when correctly applied to hard, nonporous surfaces like cooling towers.

#### **FEATURES**

- · Hand carried portable design
- Extension wands and 25' hose for extra reach
- Automated siphon for ScaleBreak-Gel and BIOSPRAY-Tower
- Integrated tool holder

**CC-400HFR-60:** HiFlo® Coil Cleaner, including 12' hose, spray gun, 3' sectional 3/8" diameter stainless steel condenser wand, 18" wand, turbo nozzles and two nozzles.......

TFC-JR-A: Cooling Tower Fill Cleaning System 230V/50HZ.....

 $Note: {\it Call or visit website for additional accessories}.$ 

	TFC-JR	CC-400HFR
Input Power	Standard: 2 amps, 115V, 60 Hz AC Optional: 1 amps, 230V, 60 Hz AC Optional: 1 amps, 230V, 50 Hz AC	Standard: 13 amps, 115V, 50Hz/60Hz Optional: 7 amps, 230V, 50Hz/60Hz
Motor Power	N/A	1 HP
Power Supply Cord	20', 14-3 GFCI	25', 14-3 GFCI
Water Requirements	Minimum 20 PSI at 2 GPM	Minimum 20 PSI at 3 GPM
Output Water Pressure	150 PSI	400 PSI
Output Water Flow	1.0 GPM	3 GPM
Pump	Water Pump	Axial
Chemical Output Pressure	200 PSI @ 60 Hz/150 PSI @ 50Hz	-
Chemical Output	0.5 GPM @ 60Hz/ 0.45 @ 50Hz	-
Chemical Pump	Positive Displacement Diaphragm	-
Dimensions	12" high x 9.5" wide x 24" deep	13" high x 30" wide x 12" deep
Weight	35 lbs net dry	45 lbs net dry



## **Cooling Tower Basin Cleaning Kit** • CTV-F2-KIT



#### **Product Overview**

Cooling towers are breeding grounds for dangerous bacteria, and no amount of water treatment can remove biological matter like mud, silt, leaves, and more. Only mechanical cleaning can remove this debris and sludge from basins. Without removal, this debris fouls heat exchangers and becomes a hotbed for bacterial growth like legionella.

This cooling tower cleaning kit provides everything you need to clean cooling tower basins without shutting down towers. Plus, it filters tower water for return to the tower or removal via drainage.

The CTV-1501 TowerVac® Cooling Tower Vacuum safely removes cooling tower bacteria, like Legionella and other micro-organisms, quickly and easily. Vacuum away bacteria-filled slime, algae, mud, and other contaminants from the sides and floor of any cooling tower basin or sump.

### What's Included

#### **Cooling Tower Basin Cleaning Kit Includes:**

- (1) CTV-1501-60 TowerVac
- (1) CTV-F2 Filter System
- (1) CTV-KIT-1501 Accessory kit
- (1) 9703-6 (Filters 6-pack)
- (1) SB-26 Carry Bag

#### **Product Features**

- Simple to operate minimal training required
- Saves water loss no need to drain entire tower. Return water or drain filtered water
- Stainless steel construction long life
- Heavy-duty motors strong suction
- Adjustable flow control work at desired speed
- Quick connect hoses and tools rapid assembly of system
- Hose, wand and tool holders easy storage of accessories
- Re-usable filters Convenient
- CE certified

#### TowerVac® specifications

- Motor power: 1 1 /2 HP (1.1 kW)
- Input power: 15 amps, 115 V, 60 Hz AC (15 amps, 115 V, 50 Hz; 7.5 amps, 230 V, 60 Hz; or 7.5 amps, 230 V, 50 Hz)
- Static water lift: 25' (7.6m)
- Water displacement: 50 GPM (189 LPM) Pump: Centrifugal
- Dimensions: 35" (890mm) high x 22" (560mm) wide x 21" (535mm) deep
- Weight: 125 lbs (57 kg) net dry

#### **CTV-F2 specifications**

- Input Water Pressure: Maximum 30 PSI at 50 GPM
- Filters: Two reusable synthetics, 40 square foot, 5-micron filters.

# **TFC-JR Cooling Tower Fill Cleaning Contractor Kit** • TFC-

### JR-KIT-MIN



#### **Product Overview**

The TFC-JR Tower Fill Cleaning Contractor Kit is the only complete kit on the market designed to clean and disinfect cooling towers. Use it to eliminate scale, algae, and other dangerous and unsightly deposits from cooling tower fill.

Simple to use and portable, this kit offers everything you need, including our advanced cleaning chemicals and includes the tools to apply and remove deposits.

Choose from two kits, one for hard mineral deposits and the other for soft biological growth.

TFC-JR is 2022 New Equipment Digest Innovation Award winner.

#### What's Included

TFC-JR Tower Fill Cleaning Contractor Kit for hard deposits includes:

- (1) TFC-JR
- (1) CC-400HFR-60
- (3) SCLBRK-GEL-05
- (1) SCLBRK-NEUT-25
- (1) FOAM-CLEAR-01
- (3) BioSpray-Tower-5

TFC-JR Tower Fill Cleaning Contractor Kit for soft biological growth includes:

- (1) TFC-JR
- (1) CC-400HFR-60
- (3) TowerShine-05
- (1) FOAM-CLEAR-01
- (3) BioSpray-Tower-5

#### **Product Features**

- Complete Kit
- Compact, hand-carried designed
- Designed to apply
  - ScaleBreak-Gel, the unique scale cleaner that clings to all surfaces for maximum scale busting performance.
  - BIOSPRAY-Tower for complete tower disinfection
  - TowerShine Cooling Tower Fill Cleaner
- Heavy-duty, chemical resistant components, and dolly
- Siphon to attach to the 5-gallon chemical container
- Patented via US patent nos. 9,731,330 and 10,030,216
- Output Pressure: 200 PSI
- Power Supply Cord: 20'
- Input Power: 2 amps, 115 V, 60 Hz AC (Optional: 1 amp, 230 V, 60 Hz)
- Output Chemical/Water Flow: 1.1 GPM

## **Cooling Tower Filter System · CTV-F2**



#### **Product Overview**

Used in conjunction with our CTV-1501 TowerVac®, this filtering system will return crystal clear water to your towers. High-flow capability and small-micron filtration make this the perfect unit for cooling tower cleaning. The product delivers advanced filtering of wastewater while cleaning, then returning clean, reusable water to your tower basin. When used in conjunction with the CTV-1501 Cooling Tower Vacuum, this powerful cleaning tandem helps protect against Legionella and other bacterial issues. It offers an advanced, integrated system designed specifically to restore optimal operating conditions to cooling towers—twin filter cartridges clean tower water down to 5 microns for better performance. The filters are easy to clean and reuse. A clean water discharge rate of up to 50 GPM means it can handle any heavy-duty tower-cleaning job you encounter.

#### What's Included

#### **CTV-F2 Cooling Tower Filter System includes:**

- CTV-F2
- (2) 5-micron filters
- 25' connection hose
- 25' outlet hose
- Mobile dolly

#### **Product Features**

- Simple to operate minimal training required
- Heavy-duty aluminum filter housing long life

- Integrated dolly easy to move
- Reusable filters (up to three times) saves money
- Quick lock lids rapid filter change
- Input Water Pressure: Maximum 30 PSI at 50 GPM
- Filters: Two reusable synthetic, 40 square foot, 5 micron filters.
- Dimensions: 38" high x 20" wide x 20" deep
- Weight: 70 lbs net dry

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