



40 YEARS OF

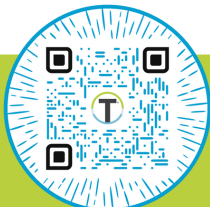
# RELIABILITY

## Self-Cleaning Water Filters for Sugar Industry

### CLEAN, RELIABLE WATER FILTRATION FOR SUGAR GROWERS & PROCESSORS

In sugar manufacturing, filtration plays a critical role at every stage — from irrigation and juice clarification to syrup concentration and cooling tower reuse. Traditional filters often clog or fail under pressure, leading to inconsistent flow, costly shutdowns, and unnecessary maintenance.

Tekleen automatic self-cleaning water filters offer a robust, maintenance-free solution engineered for the demands of sugar production. Built to withstand high temperatures, viscous fluids, and continuous operation, Tekleen filters perform where others fail. Operating up to 150 psi and over 200°F, Tekleen's stainless steel screens filter down to 2 microns. The self-cleaning cycle activates automatically based on pressure differential, with no need to stop production.



**REQUEST  
A QUOTE  
TODAY!**

#### WHY TEKLEEN IS THE #1 CHOICE IN WATER FILTRATION?



##### **COST EFFECTIVE:**

Automates the cleaning cycle to save you maintenance time and operating costs, and improve your bottom line.



##### **OUTSTANDING SERVICE:**

Over 40 years of industry leading expertise, short delivery times and outstanding local service you can count on 24/7.



##### **UNINTERRUPTED FLOW DURING BACKWASH:**

Uninterrupted flow during the backwash (6-10 seconds).



##### **HIGH QUALITY PERFORMANCE:**

We continuously innovate to deliver high-performance filters with filtration ranges from 1,000 microns to 2 microns.



##### **SUSTAINABLE:**

Adapt to best-in-class green practices by reducing water waste with our highly water efficient, automatic filters.



##### **EFFICIENT & RELIABLE:**

Featuring standard stainless steel construction with alternative material options available. They are designed in full compliance with ASME Boiler and Pressure Vessel Code and Section VIII standards.

Automatic Filters, LLC  
9816 Arlee Ave,  
Santa Fe Springs, CA 90670

T (310) 839 2828  
F (310) 839 6878

info@tekleen.com  
www.tekleen.com



Defend product integrity, reduce downtime, and meet global compliance standards, with zero interruption.



Tres Valles Ugar, La Gloria, Mexico

## KEY BENEFITS FOR SUGAR PRODUCERS

Challenge	With Tekleen	Without Tekleen
Clogged Screens	Continuous self-cleaning operation	Daily cleaning and shutdowns
Labor & Maintenance	No manual intervention required	Manual cleaning and screen replacements
Water Consumption	Backwash cycles take 6–10 seconds and use only a few gallons of water	High rinse water usage
Syrup Viscosity	Handles fluids up to 76° Brix	Screens easily blocked
Cooling Tower Fouling	Clear, consistent water to your process and downstream equipment	Scale buildup and spray nozzle clogging

“We were filtering sugar juice around 70 Brix, very viscous, and Tekleen’s filter never clogged. After 3 months of running, we never had to shut down for cleaning. It’s the first time we’ve had a system that’s this reliable.”

— Plant Engineer, Sugar Mill in Louisiana

## FILTRATION ACROSS SUGAR INDUSTRY APPLICATIONS

Water filtration is essential across the full sugar processing cycle, from beet and cane mills to raw sugar refineries. Tekleen filters are engineered for:

### HIGH-PERFORMANCE SOLID-LIQUID SEPARATION

- Removes suspended solids in juice streams and syrup lines without interrupting production
- Customized, Scalable Designs
- From compact inline setups to automated multi-unit systems

### VERSATILE SYSTEM COMPATIBILITY USED IN:

- Juice clarification and liming
- Crystallization and cooling
- Boiler pretreatment
- Spray bar and nozzle protection
- Condensate reuse

### ENGINEERED FOR HARSH ENVIRONMENTS

- Performs reliably in high-temperature, high-Brix, and corrosive conditions, up to 76° Brix

## MODERNIZING SUGAR MILL FILTRATION: THE TEKLEEN ADVANTAGE

Traditional sugar mill filtration systems are bulky, maintenance-heavy, and costly. Tekleen offers a smarter, more efficient path forward

- **Compact Footprint:** Easily integrates into existing lines
- **Automated Operation:** Eliminates manual filter cleaning
- **No Consumables:** No cartridge or media replacement
- **Consistent Output:** Maintains pressure, clarity, and flow
- **Efficiency Gains:** Reduces energy and water consumption

## JOIN TOP SUGAR COMPANIES THAT TRUST TEKLEEN



### 6-Month Visual Inspection

Scheduled visual checks are essential for maintaining your filter’s performance and extending its operational life. Conduct a thorough visual inspection of your system, checking for leaks around seals and connections, signs of corrosion or component wear, and proper differential pressure readings.

This simple measure helps identify potential issues early, reducing the risk of unexpected downtime and ensuring your Tekleen filter continues to deliver reliably clean water filtration for years to come.

### 12-Month Maintenance Kit

Complete annual maintenance solution:

- A 6-month visual inspection
- DP Switch
- Piston Assembly
- Upper Bearing
- Lower Bearing
- Collector Fins (quantity varies by filter model)

## Tekleen Maintenance Plans

Genuine parts are in stock and ready to ship. Keep your filters running reliably and extend system life with a maintenance plan tailored to your operation.