

The next generation in water filtration.

PRODUCT CATALOG

SEVEN REASONS OUR FILTERS ARE SPECIFIED
MORE THAN ALL OTHERS COMBINED

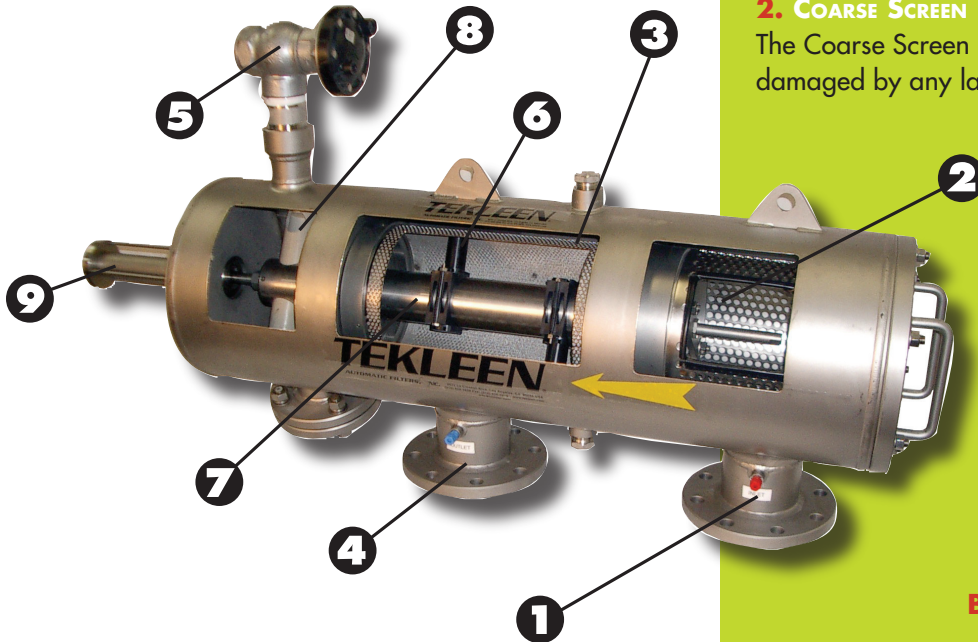
- **AUTOMATICALLY
SELF-CLEANING FILTERS**
- **REQUIRES NO
EXTERNAL POWER**
- **VIRTUALLY
MAINTENANCE FREE**
- **EASY TO INSTALL**
- **INTERNATIONAL
NETWORK OF SALES
AND SUPPORT**
- **WIDE RANGE
OF INDUSTRIAL
CONFIGURATIONS**
- **OVER 20 YEARS IN
THE WATER FILTRATION
INDUSTRY**



TEKLEEN FILTER OPERATION

Tekleen® Automatic Filters are the next generation in water filtration.

Our filters are fully automatic, self-cleaning and operate on water pressure alone. You will no longer need to remove the screens for manual cleaning. And you will not interrupt the main flow during the backwash cycle.



STANDARD FEATURES

- Automatically self-cleans using only water pressure
- Design minimizes downtime
- High performance screens
- No flow interruption during backwash
- Minimum pressure – 15psi
- Maximum pressure – 150psi
- Stainless steel filters at carbon steel prices

OPTIONAL FEATURES

- Unlimited flow capacities
- ASME coded body
- 5 micron filtration
- High pressure up to 600 psi
- High temperature up to 250 °F
- Coarse screen flushing pre-filter

HOW OUR FILTERS WORK

NORMAL OPERATION

1. INLET

Dirty water enters the inlet of the filter and passes through to the coarse screen.

2. COARSE SCREEN

The Coarse Screen protects the fine screen from being damaged by any large particulates.

3. FINE SCREEN

Filters out suspended solids to a predetermined size.

4. OUTLET

Clean water passes through the fine screen and out of the outlet of the filter while the dirt particles are trapped on the inside of the fine screen. This causes a pressure drop at the outlet, which initiates the self-cleaning cycle.

BACKWASH CYCLE

5. FLUSH VALVE

A signal is sent to an electronic controller, which opens the flush valve for the backwash cycle.

6. SUCTION NOZZLE

The dirt is aggressively vacuumed off of the screen by the suction nozzle.

7. DIRT COLLECTOR

Transfers the debris from the fine screen through the suction nozzles to the Hydraulic Motor.

8. HYDRAULIC MOTOR

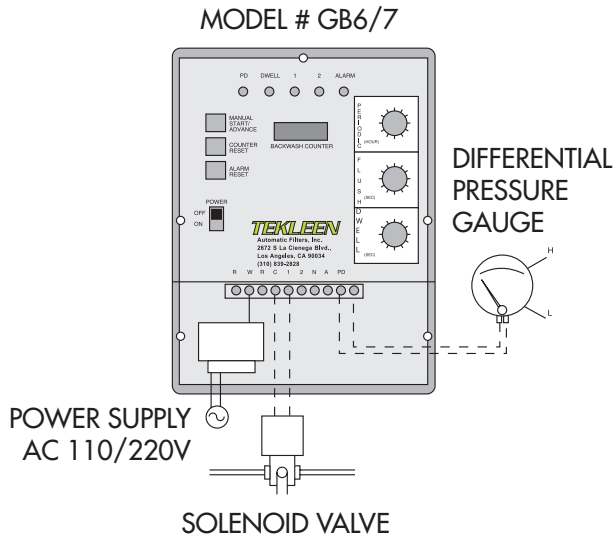
Debris is expelled through the Hydraulic Motor causing the dirt collector to rotate in a linear movement. This allows the dirt collector to scan 100% of the screen. The Dirty water exits through the flush valve.

9. PISTON

Moves the dirt collector back to its original position at the end of the cleaning cycle.

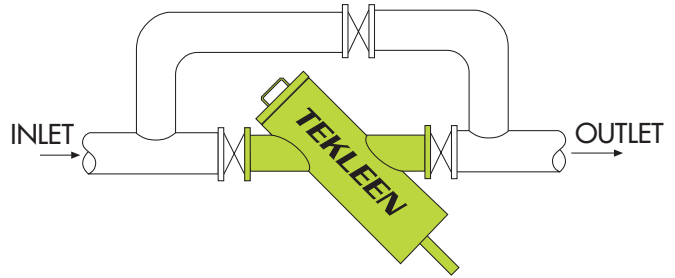
ELECTRONIC CONTROLLER

Tekleen® state-of-the-art electronic backwash controllers are complete with a solenoid, differential pressure sensor, backwash counter, and emergency alarm output. 110/220 volts or battery operated (9V or 12V).



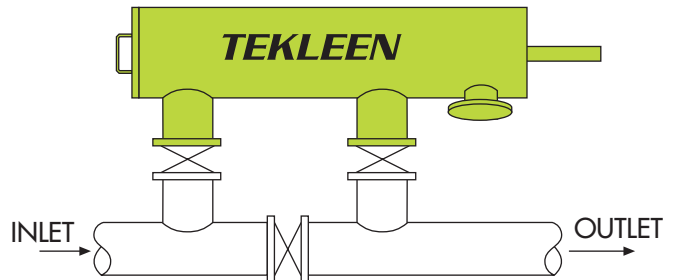
IN-LINE CONFIGURATION

Configuration is ideal for situations where space is limited.



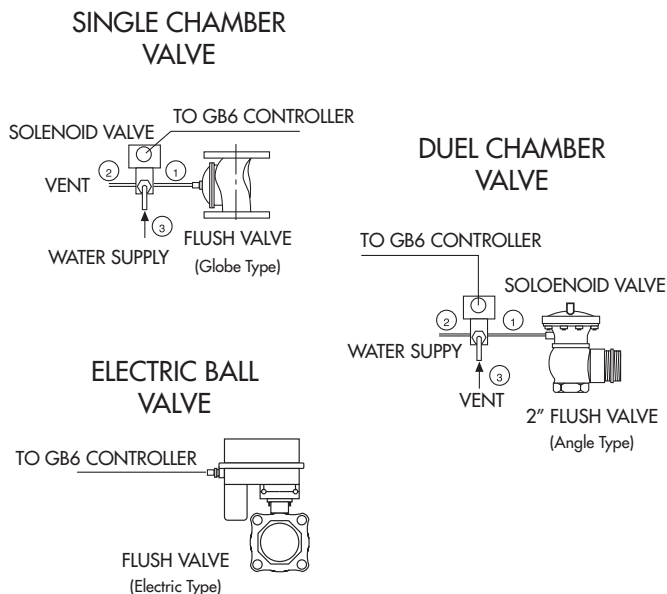
ON-LINE CONFIGURATION

Configuration allows you to service the filter with no interruption of the plant's operation.



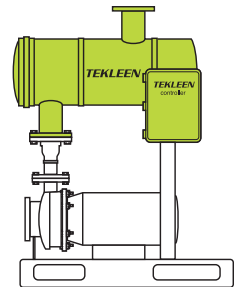
FLUSH VALVE AND SOLENOID

Tekleen® Automatic Filters Inc, carries several different types of flush valves to meet most specifications.



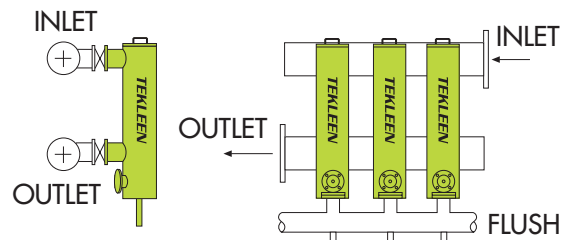
SKID CONFIGURATION

Configuration is a complete unit all in one. It comes with the filter, pump and controller mounted on the skid.



PARALLEL CONFIGURATION

Configuration is ideal for very fine filtration – down to 5 microns. By using more than one filter you will have the ability to cover more screen area.

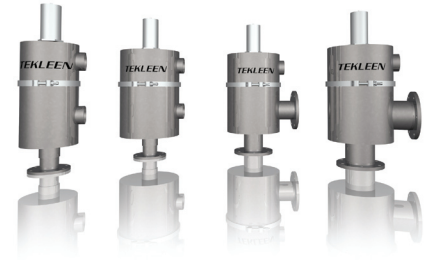


FILTER MODELS

MTF SERIES

Low-flow, fully automatic, self-cleaning water filtration systems. The MTF filters use very little water for rinsing without interrupting the main flow and are rated to 150 psi and 200°F. Empty weight is only 60 lbs. The filters are made with a 316L stainless steel body and are designed to meet a wide variety of industrial and irrigation applications.

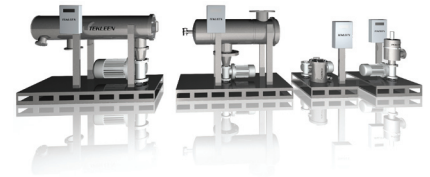
Model #	Flange Size Inches	Screen Area sq. ft.	Max Flow gpm
MTF1	1	0.6	100
MTF1.5	1.5	0.6	100
MTF2	2	0.6	100
MTF2L	2	1.5	200
MTF3	3	1.5	300
MTF3L	3	3	300
MTF4	4	1.5	300
MTF4L	4	3	400
MTF6	6	3	500



SKID SERIES

Filter Skids are the compact and immediate solution for many filtration needs. These are small units with flow rates from 10-1320 gpm and a filtration range from 3,000 μ -5 μ . Small centrifugal pumps 3-50 h/p, with any voltage.

Model #	Flange Size Inches	Screen Area sq. ft.	Max Flow gpm
SMTF2	2	0.6	100
SABW2LP	2	0.5	130
SMTF3	3	1.5	200
SOBF31	3	1.5	250
SOBG4P	4	1.5	400
SABW8P	8	5	1,320



BELL SERIES

Tekleen Automatic Water Filters save money that is spent every day on the labor of cleaning spraying nozzles and replacing screens, bags, cartridges, and sand media the hard way. The Bell filters series with the new screen cleaning technology save up to 90% of the rinse water.

Model #	Flange Size Inches	Screen Area sq. ft.	Max Flow gpm
BELL1.5	1.5	0.5	110
BELL2	2	0.5	110
BELL2L	2	0.8	200
BELL3	3	0.5	150
BELL3L	3	0.8	200
BELL4	4	0.8	350
BELL4L	4	1.7	400
BELL6	6	1.7	500



CSF SERIES

Tekleen now offers the Coarse Screen Filter series of automatic self-cleaning water filters for applications that don't require fine filtration. Filtration from 4,000 μ .

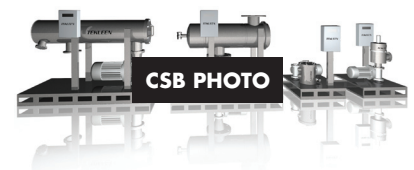
Model #	Flange Size Inches	Screen Area sq. ft.	Max Flow gpm
CSF3	3	2	300
CSF4	4	2	500
CSF6	6	2.5	800
CSF8	8	3.9	1,320
CSF10	10	5.6	1,750
CSF12	12	8.4	2,630
CSF14	14	9.5	4,000
CSF16	16	12.4	6,000



CSB SERIES

Tekleen's Coarse Screen Brush Filter is ideal for plant incoming contaminated water from open water sources. Filtration from 500 μ .

Model #	Flange Size Inches	Screen Area sq. ft.	Max Flow gpm
CSB8	8	5	1300
CSB10	10	8	2000
CSB12	12	10	2500
CSB14	14	12	4000
CSB16L	16	16	6000
CSB14	14	12	4000
CSB16L	16	16	6000



FILTER MODELS

ABW SERIES

ABW series filters can be custom manufactured to meet a wide range of industrial applications including ASME coded, sea water, high temperature, high pressure, etc. The filters are complete with Stainless Steel screens and can be manifolded together for unlimited flow capacities. The filter bodies are available in carbon steel with baked on epoxy coating or Stainless Steel.

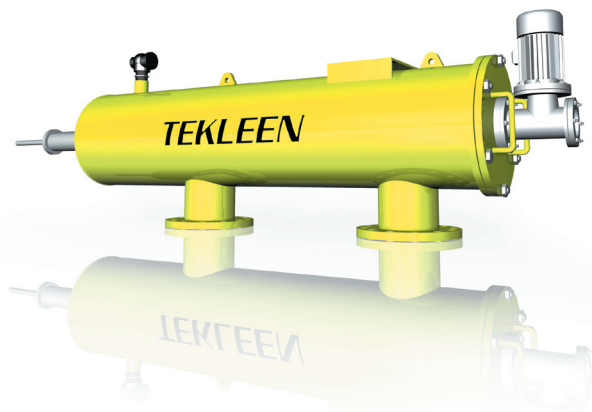
Model #	Flange Size Inches	Screen Area sq. ft.	Max Flow gpm	Model #	Flange Size Inches	Screen Area sq. ft.	Max Flow gpm
ABW2LP	2	0.5	130	ABW12LP	12	12.5	4,000
ABW2L	2	0.5	130	ABW14P	14	12.5	4,000
ABW2SP	2	1.4	200	ABW14	14	12.5	4,000
ABW2S	2	1.4	200	ABW14LP	14	16	6,000
ABW3	3	0.5	150	ABW16P	16	12.5	5,000
ABW3SP	3	1.4	200	ABW16L	16	16	6,000
ABW3S	3	1.4	200	ABW16LP	16	16	6,000
ABWSLP	3	2.5	300	ABW16SP	16	24	7,000
ABW4P	4	1.4	300	ABW18SP	18	24	8,000
ABW4	4	1.4	300	ABW20SP	20	24	10,000
ABW4LPE	4	2.5	400	ABW24SP	24	24	10,000
ABW4LP	4	5	500	ABW30TSP	30	48	15,000
ABW4L	4	5	500	ABW36TSP	30	48	20,000
ABW4XLP	4	8	800				
ABW4SP	4	7	1,000				
ABW6P	6	2.5	600				
ABW6XLP	6	8	800				
ABW6LP	6	5	800				
ABW6L	6	5	800				
ABW6TXLP	6	16	1,500				
ABW6SP	6	7	1,750				
ABW8P	8	5	1,320				
ABW8	8	5	1,320				
ABW8LP	8	8	1,500				
ABW8SP	8	7	1,750				
ABW8TLP	8	16	2,500				
ABW10P	10	7	1,750				
ABW10LP	10	11	2,630				
ABW12P	12	11	2,630				
ABW12	12	11	2,630				



LPF SERIES

Tekleen is proud to introduce a new line of fully automatic self-cleaning water filter with working pressure as low as 15 psi up to 150 psi. The Low Pressure Filter (LPF) Series. They are available in a wide range of industrial configurations and are designed and manufactured in accordance to ANSI and ASME requirements. ASME U stamp is an option. Sizes range from 3" – 16", flow rates from 10 – 6,000 gpm, screen mesh from 50 – 3,000 μ .

The filters are available in stainless steel, carbon steel with powder epoxy coating and titanium. Clean filter pressure drop with 100 μ screen is less than 1 psi at the rated flow of the filter.



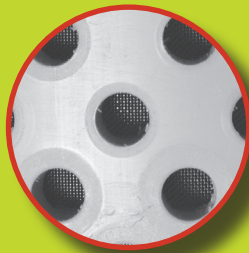
Model #	Flange Size Inches	Screen Area sq. ft.	Max Flow gpm
LPF3SP	3	1.4	200
LPF3LP	3	2.5	300
LPF4P	4	1.4	300
LPF4LPE	4	2.5	400
LPF4LP	4	5	500
LPF6P	6	2.5	600
LPF6XLP	6	8	800
LPF6LP	6	5	800
LPF6SP	6	7	1,750
LPF8P	8	5	1,320
LPF8LP	8	8	1,500
LPF8SP	8	7	1,750
LPF10P	10	7	1,750
LPF10LP	10	11	2,630
LPF12P	12	11	2,630
LPF12LP	12	12.5	4,000
LPF14P	14	12.5	4,000
LPF14LP	14	16	6,000
LPF16LP	16	16	6,000
LPF16SP	16	24	7,000
LPF18SP	18	24	8,000
LPF20SP	20	24	10,000

WHY USE TEKLEEN FILTERS?

FILTER SCREENS

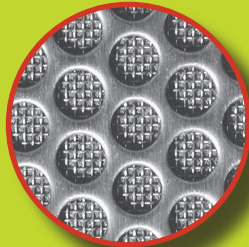
SST MESH ON PLASTIC SUPPORT

- Woven mesh from SST, titanium and hastaloy
- 35 μ – 3,000 μ heat welded on plastic ribs (PVC, CPVC or Polypropylene.)
- Practical & economical solution for a wide range of water filtration applications
- Excellent pressure rating
- High bursting pressure
- Chemical resistant



SST MESH HIGH PERFORMANCE

- Woven mesh from SST, titanium and hastaloy
- 2 μ -3,000 μ diffusion bonded (sintered) on support mesh (drainage member) and on a perforated SST basket
- The hole size will not change over time
- The support mesh increases the screen open area by 40%
- Very good pressure rating and bursting pressure rating
- High open screen area ratio
- Chemical resistant
- Very high temperature rating to 250 °F



VEE WIRE, WEDGE WIRE

- Vee shape wires from SST and titanium
- 25 μ – 3,000 μ spirally wound & welded on support rods
- Good working pressure and bursting pressure
- Rigid - very strong construction
- Will not flex or give to backwash force
- Only two point particle contact
- Very high consistency
- Ideal for fibrous material
- The slots will not shift or change over time
- High temperature rating to 300 °F



SAVE TIME.

SAVE ENERGY.

SAVE MONEY.

Cool, clear water is the life force in manufacturing operations. It cools, cleans and can be counted on to run pure and steady – unless it becomes contaminated with dirt and other pollutants.

Water filtration is one of the most effective and least expensive ways to solve equipment fouling and scaling problems caused by dirty water.



Cooling water pipes after less than one year's operation with Tekleen filtration.



Cooling water pipes after less than one year's operation without filtration.

TYPICAL APPLICATIONS

- Cooling Water
- Spray Nozzle Pct
- Waste Water
- Municipal Water
- Plant Intake Water
- Pre-treatment R.O.
- Pickling
- Descaling
- White Water
- Injection Molding
- Gland Seal Protect
- Pasteurising Tunnel
- Bottle/can Rinsers
- Car Wash
- Vacuum Pumps
- Continuous Casting
- Sugar Juice Filtration
- Water Treatment

WHAT CAN WE BUILD FOR YOU?

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(800)336-1942 (310)839-2828 Fax (310)839-6878
www.tekleen.com • info@tekleen.com



Application Data Sheet

CUSTOMER

Name _____ Title _____ Email _____
Company _____ Phone _____ Fax _____
Address _____
Country _____ City _____ State _____ Zip _____

TECHNICAL DATA

Application _____ Pressure (psi / bar) _____
Line Size (inch / mm) _____ Water Temp. (°F / C):P/H _____
Flow (gpm / m3/h) _____ Water Source _____
Pump Data (h/p, rpm) _____ Water Sample Sent / Date _____

QUESTIONS/COMMENTS

FLOW DIAGRAM

A large, empty rectangular box with a black border, intended for drawing a flow diagram.

The next generation in water filtration.



The **Tekleen®** line of automatic self-cleaning water filters was created by Automatic Filters, Inc., located in West Los Angeles. Our management team has developed unparalleled depth and breadth of skill and experience in the water filtration industry. Engineering, sales, marketing, and customer service departments share the same commitment: to provide the best solution for any application. Our network of distributors and area representatives can give you localized service.

Tekleen's filters successfully solve a wide range of problems. Below is a representative list of the types of industries and companies which have Tekleen's filters installed in their facilities:

MUNICIPALITIES

- USBR, Colorado
- WWTP, Canada
- Ronhert Park, CA
- Orlando Airport, FL
- City of Winterhaven

CHEMICAL

- Du Pont
- Colgate
- Monsanto
- Proctor & Gamble
- Dow, Argentina

FOOD

- Smuckers
- Knott's Berry Farm
- Turner Foods
- Dean Foods
- M & M/ Mars

MANUFACTURING

- Wellman Fiber
- McMillan Electric
- Wilson Tools
- Caterpillar
- Stanley

STEEL

- Inland Steel
- Bethlehem Steel
- Jinan, China
- Helliniki, Greece
- Sicartsa, Mexico

PLASTICS

- Monsanto
- Varyform Plastics
- The Hanson Group
- Alcoa-Dayton Tech.
- Mikron

PAPER

- Georgia Pacific
- Fort James
- Boise Cascade
- International Paper
- Mead Paper

BEVERAGE

- Coca Cola
- Miller Brewing
- Tecate, Mexico
- Ocean Spray
- Rivera Bottling, Peru

AUTOMOTIVE

- Ford Motor
- Chrysler
- Renault, Brazil
- Volkswagen, Brazil
- Fiat, Argentina

OIL REFINING

- Texaco
- Chevron
- Occidental
- Shell
- Oxychem

SUGAR

- U.S. Sugar
- Amalgamated
- TSB, South Africa
- Frontier, Philippines
- El Palmar, Venezuela

HVAC

- Bally's Casino, NJ
- Univ. of Chicago, IL
- Rosewood Hospital, TX
- Atascadero Hsptl., CA

For further information and to contact a local Tekleen® distributor in your area, please contact us today.

(800)336-1942 (310)839-2828