

# THE ABW SERIES

## AUTOMATIC BACKWASH FILTERS

**Tekleen**® features a high-quality line of Automatic Backwash Filters (ABW), trusted by leading global brands for over 40 years for their exceptional performance and reliability. Virtually maintenance-free, these filters save you money otherwise spent on labor-intensive cleaning and frequent replacement of screens, bags, and cartridges.

Available in a wide range of industrial configurations, they are designed and manufactured in compliance with ASME pressure vessel code section VIII. *Tekleen*® filters operate on water pressure alone, requiring a minimum of 40 psi during backwash, and are triggered to flush by a differential pressure switch, timer, or manually. With our new screen cleaning technology, *Tekrinse*, they use 90% less rinse water than other filters in the market today, delivering unmatched efficiency and sustainability.

#### **STANDARD FEATURES:**

Line Sizes: 2" - 36"
 Flow Rate: 100 - ∞

• Screen Opening: 2μ - 4,000μ

• **Material**: SST 304/316L - 2205/2506 - Titanium

• Design Pressure: 40 -150 psi

• Design Temperature to: 160°F (210°F Optional)

Flush Valve Size: 1", 1.5", 2"
Flush Duration: 4 - 10 seconds
Flush Volume: 5 - 50 gallons

### TRUSTED BY THE WORLD'S LEADING BRANDS

















## T FILTER SPECIFICATIONS

Model #	Flange Size (Inches)	Screen Area (sq. ft.)	Max Flow (gpm)
ABW2-LP	2	0.6	130
ABW2-SP	2	1.4	200
ABW3	3	0.5	150
ABW3-SP	3	1.4	200
ABW3-S	3	1.4	200
ABW3-LP	3	2.5	300
ABW3-XLP	3	5	400
ABW4-P	4	1.4	300
ABW4	4	1.4	300
ABW4-LPE	4	2.5	400
ABW4-LP	4	5	600
ABW4-XLP	4	8	800
ABW6-P	6	2.5	800
ABW6-LP	6	5	800
ABW6-XLP	6	8	800
ABW6-SP	6	7	1,750
ABW8-P	8	5	1,320
ABW8-SP	8	7	1,750
ABW8-LP	8	8	1,500
ABW10-P	10	7	1,750
ABW10-LP	10	11	2,630
ABW12-P	12	11	2,630
ABW12-LP	12	12.5	4,000
ABW14-P	14	12.5	4,000
ABW14-LP	14	16	6,000
ABW16-P	16	12.5	4,000
ABW16-LP	16	16	6,000
ABW16-SP	16	24	10,000
ABW18-SP	18	24	10,000
ABW20-SP	20	24	10,000
ABW24-SP	24	24	10,000

\*Flow rates are with clean city water and based on a 100 micron screen



### **REVOLUTIONIZE YOUR INDUSTRY WITH TEKLEEN SELF-CLEANING WATER FILTERS!**

Tekleen self-cleaning water filters: transforming industries globally. From manufacturing, municipal, to agriculture, our innovative technology ensures uninterrupted operations with automatic debris

### 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



#### **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.

## **INSTALLATIONS**



Roll Cooling Spray Nozzle Protection



Cooling Water Filtration with a Dewatering System



RO Pre-Filtration for Drinking Water

# **INDUSTRIAL APPLICATIONS**





**Plastics** 



**Metal Processing** 



Food Industry



Pulp & Paper



**Power Generation** 



Sea Water Filtration



**Data Centers** 





Waste Water



Pet Food



Car Wash



**Prepared Foods** 



Point of Entry



Oil Production





Rainwater Harvesting

## T IRRIGATION APPLICATIONS



Golf & Turf



Greenhouse & Nursery



Fruits & Vegetables