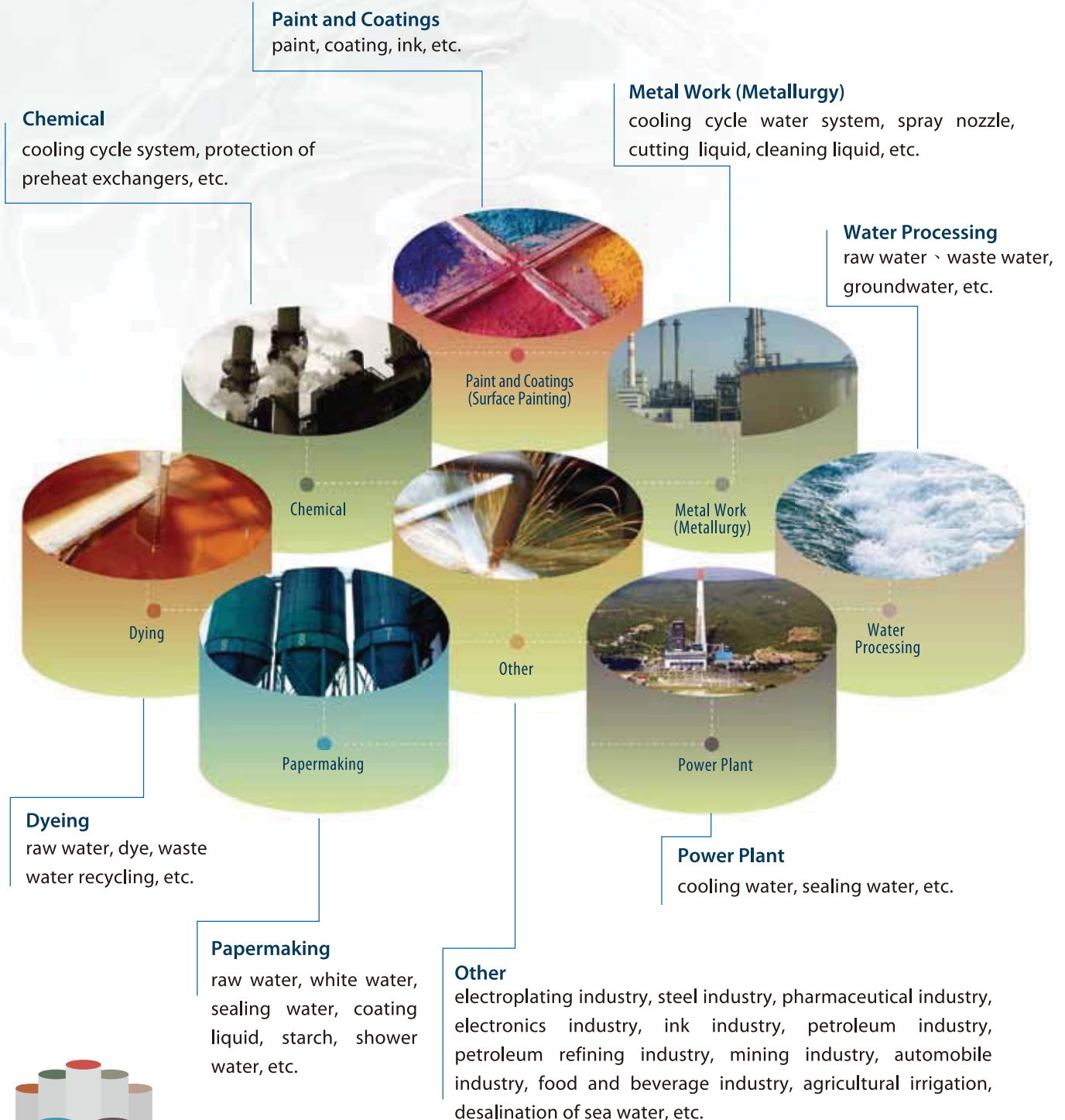




Provide The Best Filtration Solutions

Automatic Filter

「Application」





「About FILAD」

> About the Filter

The technology of filtering appeared very early in history of civilization, and changing with the times has played a vital role in the fields of mining, papermaking, chemistry, environmental protection, dyeing, the food industry, and the rapidly developing electronic manufacturing industry.

> Filtration Adviser – FILAD

For the last twenty years we have been gaining experience with designing and manufacturing filters, and in 2005 we officially established the FILAD Filtration Industry Corporation, and created a whole new brand called “FILAD”. After many years of hard work we have succeeded in breaking into the international market. We pay complete attention to the special needs of all industries to make available the best planning, manufacturing, sales, training and after sales service available to industries including the food industry, papermaking, electronics, electroplate, dyeing and finishing, mining, chemical engineering, energy, biochemistry, and environmental protection, etc.

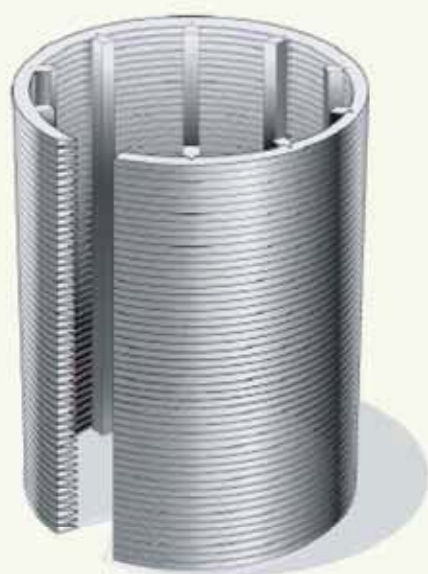
At FILAD we combine the field of “filtration” with an “adviser” role to get the name “FILAD”, which shows our ambition to become the leading expert in the global field of filters, and also provide the all industries of the global markets with top quality filter plans and techniques. The corporate emblem of FILAD shows two droplets of water side by side forming an “F” which stands for FILAD brand name of FILAD, the continuation of the sphere is symbolic of our corporate vision for sustainable development, the white band in the center stands for the purity that we hope to provide the filter technology, emphasizing the message that at FILAD we are dedicated to the work of recycling and bringing about a cleaner environment.

> Our Corporate Concept

Using the lowest cost to attain the highest possible benefit has always been the goal for any business, however FILAD is not just manufacturing company that provides equipment, we also have a mission to help our clients to quickly and efficiently solve their filtering problems, and provide a way for our clients to maximize their product efficiency. We hope to be the “Filtration Consultant” of our clients, not only providing top quality filter processing equipment, but also providing customized service for our clients of every industry, designing specialized customized solutions, creating the maximum opportunity to create benefits for our clients.



Wedge Wire Screen



A Comparison of Filtration Condition



An explanation of the stainless steel wedge wire screens

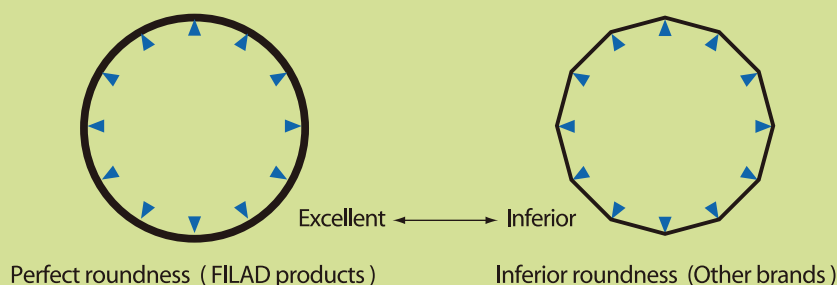
Our screens reflect the exquisite manufacturing technique from Europe. The stainless steel wedge wire screen is welded structures with the support profiles being rods in the axial direction of the tube and surface profiles spirally wound around the support profiles. We greatly exceed the performance of traditional screens with qualities of high opening rates, high pressure capability, and high wear-resistance.

Our screen is made with European great precision. The surface of our screen has perfect roundness, and the filtration effect is better than other products'.

Features

- **Not easily clogged :**
The continuous slot formed by the stainless steel V-shaped surface wires ensures a two-point contact between the impurities and the slot, which minimizes clogging.
- **High opening rate :**
The opening rate of our screens is higher by 30% than the traditional screens.
- **High precision :**
The exquisite manufacturing technique from Europe and perfect machining reflect high level of accuracy.
- **Strong construction :**
Slot tubes are welded structures with the support profiles being rods in the axial direction of the tube and surface profiles spirally wound around the support profiles. For most applications, the wedge wire screen is self-supporting, because of the welding at each intersection.
- **Easy to clean :**
The V-shaped surface wires allow easy cleaning by mechanical scraping or backwashing.

A comparison of FILAD screens with other brands'



AFV

Automatic Scraper Filter



AFV-85-600

Variations in Model Combinations

- Standard model
- Anti-pressure lost model
(Two stage discharge system)
- Working station
(Series connection model, parallel connection model)



Whirling Scraper Device

AFV

Automatic Scraper Filter

Features

- The model is automatically controlled. It cleans the screen automatically, discharges impurities and makes you save large amount on labor cost.
- Individual control box--It's easy to operate, maintain and contains low failure rate.
- Cleaning time and impurity discharging time can be set in advance so that the equipment can keep working automatically with high quality and safety.
- We use European stainless steel wedge wire screens which are perfectly filtering, high wear-resistance, and not easily broken or deformed. The filtration effect is better than traditional screens.
- Fully automatic and constant operation-We use the highly efficient motor, low electricity consumption, energy saving and low cost.



■ ■ ■ AUTOMATIC SCRAPER FILTER

Automatic Scraper Filter uses European stainless steel wedge wire screen with a set of fully automatic whirling scrapers. The scrapers work with a speed reducing motor to clean the impurities off the surface of the screen and lower the clogging rate to achieve the best filtration quality. The scraped impurities settle at the purge chamber which works with a set of discharge valve. The Timer in the control

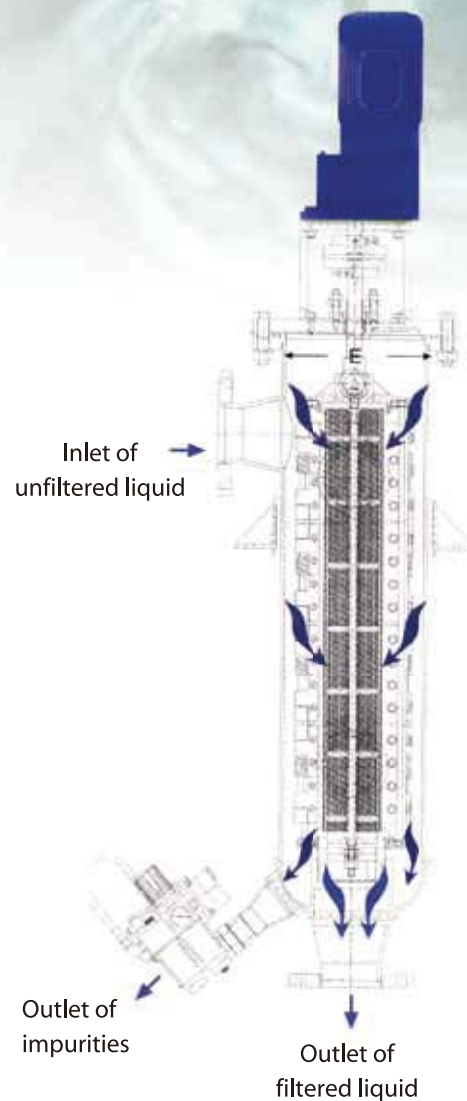
box (which can be adjusted) or the pressure differential detection device makes the valve discharge the impurities automatically which can keep working in high quality and efficiency without worker's operation.

AFV

Automatic Scraper Filter



AFV-85-600



AFV

Automatic Scraper Filter



■ The Specifications of Automatic Scraper Filter

■ The Maximum Processing Amount of Each Model's Opening Area

Slot : 0.15mm,100 mesh

Model	In-outlet Size	Coating (flow speed : 1m/sec)	Clean Water (flow speed : 1m/sec)	Recycled Water (flow speed : 1m/sec)
AFV-85-12S	65A(2½")	11.8 \$ / hr	217 ℓ /min (the maximum passing area:1250 ℓ /min)	173 ℓ /min (the maximum passing area:1000 ℓ /min)
AFV-168-18S	80A-150A(3-6")	15.9 \$ / hr	1650 ℓ /min	1340 ℓ /min
AFV-268-18S	80A-300A(3-12")	26.0 \$ / hr	2750 ℓ /min	2200 ℓ /min
AFV-468-22S	125A-300A(5-12")	41.8 \$ / hr	5921 ℓ /min	4730 ℓ /min

- The in-outlet size of AFV-85-12S is 65A(2½"). When the flow speed is 1 m/sec, the flow amount is 217 ℓ / min. The flow amount shown on this table is the amount of opening area.

Except the length of 468# is 900mm, the others are less than 600mm.

■ The Reference Table of The In-outlet Size Selection for Clean Water

In-Outlet Size A(B)	1"	1¼"	1½"	50A (2")	65A (2½")	80A (3")	100A (4")	125A (5")	150A (6")	200A (8")	250A (10")	300A (12")
The Processing Amount(ℓ/min) (flow speed : 1m/sec)	34	56	78	117	217	301	529	783	1131	1960	3038	4352

- If your company would like a specific in-outlet size, please select the model in the above table and notice us when you order it. Or we will manufacture it according to our standard specification.

AFV

Automatic Scraper Filter



AFV-268-600



AFV-168-600

The Specifications of Automatic Scraper Filter

Flow Amount Table of the Screen Opening Rate

Flow speed : 1 m/sec

Screen Slot (mm/mesh)	430 mesh	300 mesh	200 mesh	150 mesh	120 mesh	100 mesh	80 mesh	75 mesh	60 mesh	50 mesh	45 mesh	40 mesh
Flow Amount (ℓ) Product Models	0.030	0.050	0.075	0.100	0.125	0.150	0.175	0.200	0.250	0.300	0.350	0.400
AFV-85-300-12S	117	228	335	436	533	626	713	800	960	1108	1245	1372
AFV-85-300-18S	78	157	228	300	369	436	501	565	686	800	908	1011
AFV-85-600-12S	234	457	670	873	1067	1253	1427	1601	1921	2217	2491	2745
AFV-85-600-18S	157	309	457	600	739	873	1002	1130	1372	1601	1817	2022
AFV-168-600-18S	303	598	882	1158	1426	1685	1933	2181	2648	3089	3507	3902
AFV-168-600-22S	253	501	741	975	1203	1426	1640	1853	2260	2648	3017	3370
AFV-268-600-18S	496	977	1442	1893	2330	2754	3159	3564	4327	5049	5731	6377
AFV-268-600-22S	414	818	1211	1594	1967	2330	2680	3029	3694	4327	47931	5508
AFV-468-900-22S						5921	6810	7698	9387	10997	12531	13996
AFV-468-900-28S						4913	5664	6415	7855	9237	10566	11843

- The flow amount above uses clean water as a measuring unit, and other high volume and viscose liquid rely on the actual test. when the pump flow amount is above 1 m/sec, the flow amount will increase, and when the pump flow amount is lower than 1 m/sec, the flow amount will decrease.

「Customization」

- Inside scraper filter – Elastic whirling device



- Partical Picture



- In-outlet assemblage with teeth type flange



- Partical Picture



- Customized connection



- Testing machines for laboratory



■ Provide The Best Filtration Solutions

FILAD hopes to become the “Filtration Consultant” of our clients. Our philosophy is to solve our clients’ filtration problems; therefore, we provide not only standard filtering equipments but also customized service for all different industries. Standard filtering equipments are easy to be purchased, installed, operated and very popular in the market, but the best way to solve clients’ problems and special requests is customized equipments.

Customization is no longer high-priced and an unreachable dream. FILAD has gained 20-year manufacturing, designing and practical testing experience,

so that we can manufacture various equipments rapidly. We design a flexible and adjustable manufacturing process, which uses a shorter producing line and process. We can manufacture filtering equipments with various specifications, high quality and special functions, and they can satisfy our clients in different industries.

FILAD has professional manufacturing ability and experience. We promise to provide the high quality of products and service. Also, we create the maximum benefits and profits for our clients.

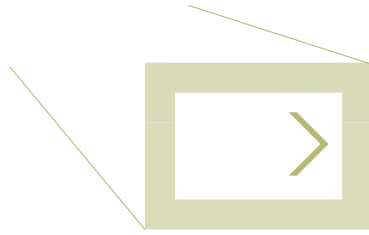
FILAD Filtration Industry Co., Ltd.

> No. 15, Sec. 1, Zhonghua Rd., Longjing Dist., Taichung City 434, Taiwan

> TEL : +886-4-26368161 > FAX : +886-4-26368163

> E-mail : service@filad-filter.com > <http://www.filad-filter.com>

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