



WATER TREATMENT PRODUCT CATALOGUE

Disc filtration | Fine screening | Dosing systems

International sourcing, purchasing and import-export coordination

Technical selections and final specifications are confirmed against the approved supplier offer.

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CSL IMPEX supports international buyers with product sourcing, supplier coordination, purchasing, specification alignment, packaging and export documentation. This catalogue presents representative water-treatment and industrial filtration products available for sourcing coordination.

PRODUCT SOURCING

Supplier search, product comparison and quotation coordination

TECHNICAL ALIGNMENT

Specification, drawing, material and application confirmation

ORDER FOLLOW-UP

Sampling, production updates and quality checkpoints

EXPORT SUPPORT

Packaging, documentation and shipment coordination

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Automated liquid, polymer and activated-carbon dosing equipment



Operation

The new type microfiber filter type: Large suspended particles are captured on the surface of the filter layer, while a small number of fine particles that penetrate the surface are trapped in the gaps between the microfibers.

The filtered water is collected into the central drum through the guide channels inside the microfibers and then flows out of the tank, completing the filtration process. The equipment remains stationary during filtration.

REGENERATING

When more particles are captured on the microfiber surface, filtration rate decreases and the liquid level in the tank rises. The control system starts backwashing. The motor rotates the drum, and the backwash pump starts simultaneously. Pressurized water is sprayed through nozzles onto the microfiber surface and rebounds. The microfiber layer vibrates under the impact of pressurized water, releasing and dropping off particles. The rebounded water and particles are discharged by gravity. As the drum rotates, all filter surfaces are cleaned. Filtration rate is restored, the water level drops, and backwashing stops. Filtration continues during the entire backwashing process without intermittent effects.

SEWAGE TREATMENT

Large amount of suspended solids, organic matter, and inorganic matter can be removed by high pressure or pumping.

HIGH-EFFICIENCY MICROFIBER FILTERS

Precision filtration solutions for industrial water treatment

CSL IMPEX PRODUCT RANGE



Model and Size

Model	Capacity (m³/h)	Disc Diameter (mm)	Area (m²)	Disc Length (mm)	Power (kW)	Backwashing Pump (m³/h)	Gas Motor (kW)	Storage tank (m³)
HM20-1200	400	1200	2.08	2000*1000*1000	5.25	4	0.4	0.75
HM20-1200	500	1200	4.76	2000*1000*1000	5.25	4	0.4	0.75
HM20-1200	1400	1200	9.24	2000*1000*1000	5.25	4	0.4	0.75
HM20-1200	1500	1200	12.32	2000*1000*1000	5.25	4	0.4	0.75
HM20-1210	2400	1200	75.8	2000*1000*1000	5.25	4	0.4	0.75
HM20-2000	3200	2000	76.8	2000*2000*1000	12.50	11	0.75	0.75
HM20-2000	4000	2000	26.2	4000*2000*1000	12.50	11	0.75	0.75
HM20-2000	6400	2000	21.8	4000*2000*1000	12.7	11	0.75	0.75
HM20-2710	8000	2000	47	4000*2000*1000	13.24	11	1.1	1.5
HM20-2710	9000	2000	56.8	4000*2000*1000	13.88	11	1.1	1.5
HM20-2710	14000	2000	56	4000*2000*1000	15.87	11	2.2	2.2

When our company upgrades the structural dimensions of the equipment, we shall not give further notice separately. Please consult our company for equipment selection before purchase.

The processing capacity is for reference based on the working conditions of the advanced treatment process section. For processing capacities in other filtration applications, please consult our company.



Performance

Fugu Wastewater Treatment Plant 20000 m³/d
 Antu Wastewater Treatment Plant 15000 m³/d
 Sanya Kinchen Water Purification Plant 30000 m³/d
 Reconstruction of Qianlan Wastewater Treatment Plant 5000 m³/d
 Shengle No.2 WWTP Zhengzhou City 30,000 m³/d

Operation Process

FILTERING

The raw water flows into the tank. Under gravity, it passes through the microfiber filter layer. Large suspended particles are intercepted on the surface of the filter layer, while a small number of fine particles that penetrate the surface are trapped in the gaps between the microfibers. The filtered water is collected into the central drum through the guide channels inside the microfibers and then flows out of the tank, completing the filtration process. The equipment remains stationary during filtration.

REGENERATING

When more particles are captured on the microfiber surface, filtration rate decreases and the liquid level in the tank rises, the control system starts backwashing. The motor rotates the drum, and the backwash pump starts simultaneously. Pressurized water is sprayed through nozzles onto the microfiber surface and re-bounds. The microfiber layer vibrates under the impact of pressurized water, releasing and stripping off particles. The rebounded water and particles are discharged by gravity. As the drum rotates, all filter surfaces are cleaned, filtration rate is restored, the water level drops, and backwashing stops. Filtration continues during the entire backwashing process without intermittent influent.

SEWAGE DISCHARGE

Large particles settled at the tank bottom is regularly discharged from the bottom sewage pipe by static pressure or pumping.



Model and Size

Model	Capacity (m³/d)	Disc Diameter (mm)	Area (m²)	Size LxWxH (mm)	Power (kW)	Backwashing Pump (kW)	Gear Motor (kW)	Sewage pump (kW)
HMDF-1202F	480	1200	3.08	2000*1600*1800	5.23	4	0.4	0.75
HMDF-1204F	960	1200	6.16	2450*1600*1800	5.27	4	0.4	0.75
HMDF-1206F	1440	1200	9.24	2900*1600*1800	5.3	4	0.4	0.75
HMDF-1208F	1920	1200	12.32	3350*1600*1800	5.35	4	0.4	0.75
HMDF-1210F	2400	1200	15.4	3800*1600*1800	5.39	4	0.4	0.75
HMDF-2204F	3200	2200	18.8	2900x2800x3200	12.62	11	0.75	0.75
HMDF-2206F	4800	2200	28.2	3400x2800x3200	12.66	11	0.75	0.75
HMDF-2208F	6400	2200	37.6	3900x2800x3200	12.7	11	0.75	0.75
HMDF-2210F	8000	2200	47	4400x2800x3200	13.84	11	1.1	1.5
HMDF-2212F	9600	2200	56.4	4900x2800x3200	13.88	11	1.1	1.5
HMDF-2214F	11200	2200	65.8	5400x2800x3200	13.92	11	1.5	1.5
HMDF-2216F	12800	2200	75.2	5900x2800x3200	13.96	11	1.5	1.5
HMDF-2218F	14400	2200	84.6	6400x2800x3200	15.8	11	2.2	2.2
HMDF-2220F	16000	2200	94	6900x2800x3200	15.87	11	2.2	2.2

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The processing capacity is for reference based on the working conditions of the advanced treatment process section. For processing capacities in other filtration applications, please consult our company



Performance

Fuyu Wastewater Treatment Plant 20000 m³/d
 Antu Wastewater Treatment Plant 15000 m³/d
 Sanya Xincheng Water Purification Plant 30000 m³/d
 Reconstruction of Qiandian Wastewater Treatment Plant 5000 m³/d
 Shangjie No.3 WWTP Zhengzhou City 30,000 m³/d

HIGH-EFFICIENCY MICROFIBER BACK PULSE FILTER (HMBF SERIES)



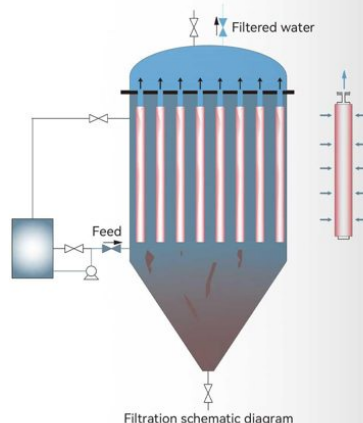
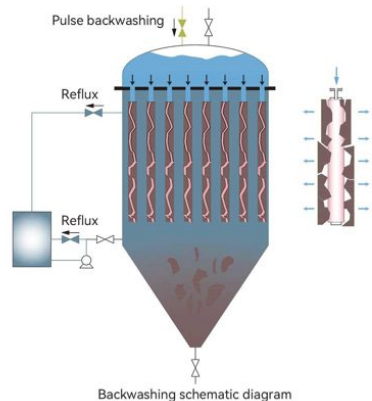
Product Features

- ◆ High filtration precision, reaching the submicron level.
- ◆ Wide range of influent particle sizes and concentrations
- ◆ Pulse backwashing and slag discharge take only a few seconds
- ◆ Microfiber filter media and supporting materials feature high mechanical strength
- ◆ Fully automatic operation with simple operation
- ◆ Fast filtration speed due to the capillary effect of filter media and pressurized filtration mode
- ◆ Extremely high filtration speed and significantly reduced footprint.
- ◆ Smooth surface for easy backwashing and discharge
- ◆ Ultra-low operating power consumption, only involving the feed pump and on-off valves

Operation Process

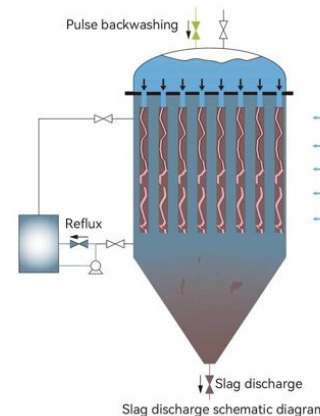
Raw water to be filtered enters the filter chamber through the inlet and is filtered from the outside to the inside by the microfiber filter media. The filtered liquid flows upward into the filtered water chamber and, after filling the chamber, flows out under pressure. Particulates intercepted remain on the surface of the filter media. As the filtration pressure increases, they bridge and compress with each other to form a filter cake layer, which further improves filtration precision.

FILTERING



PULSE BACKWASHING

As filtration proceeds, the filter cake layer gradually thickens and the filtration pressure rises steadily. When the preset backwash pressure is reached, the equipment initiates pulse backwashing. The filtered water flows backward from the clean water chamber, washing the filter cake layer off the filter media surface from the inside out. The washed-down filter cake settles into the concentration chamber at the bottom of the filter, where it accumulates and compresses.



SEWAGE DISCHARGE

After several backwashing cycles, when the concentration of the filter cake accumulated in the thickening chamber reaches the preset slag discharge cycle, the slag discharge valve opens, and the high-concentration sludge is discharged from the equipment to the subsequent sludge treatment or recovery process section.

Application

- ※ Environmental wastewater filtration
- ※ Surface water filtration
- ※ Rainwater filtration
- ※ Sludge thickening
- ※ Concentration and recovery of valuable materials
- ※ High-salinity wastewater filtration and reuse

Selection Reference

Filtration Pressure: 0.1~0.8 bar

Filtration Precision: 1~10 μm

Filtration Concentration (SS): Dozens to thousands mg/L

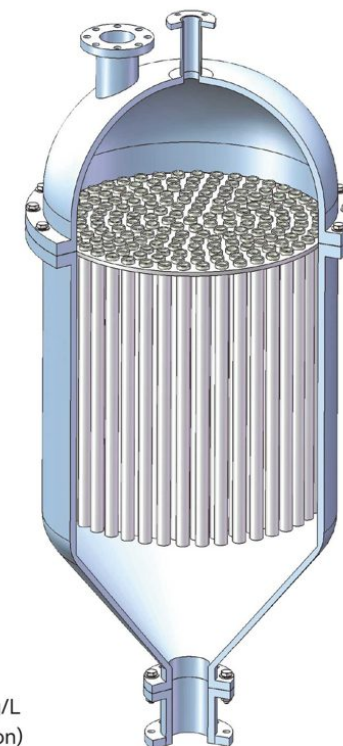
Filtration Flux: 1~50 $\text{m}^3/(\text{m}^2 \cdot \text{h})$ (affected by concentration)

Single Equipment Size: $\Phi 1000 \times 3000$ mm

Filtration Area: 36.7 m^2 (equipment can be customized)

Slag Discharge Concentration: 2~3%

Backwash Water Consumption: $\approx 3\%$ of total water volume





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The Micro Surface Filter is the mechanical filtration method for removing solids in the liquid. The filter medium is a fine mesh or fabric material. The filtration pore size is generally 1-1000µm. It is mainly applied in advanced sewage treatment at municipal wastewater treatment plants, reuse of industrial process water, circulating water filtration in aquaculture, and reclaimed water reuse. It can be installed downstream of conventional activated sludge processes, sequencing batch reactor (SBR) systems, extended aeration processes, and oxidation ditch systems as an alternative to sand filters. It is primarily used to remove total suspended solids (TSS). When combined with chemical dosing processes, it can also remove partial phosphorus, turbidity, chemical oxygen demand (COD), and other pollutants.

Features of Filter Media



STAINLESS STEEL FILTER CLOTH

Stainless steel filter cloth has a low resistance and corrosion coefficient, thus being suitable for the treatment of acid water and alkali water. It is applicable for the inside-in and outside-out filtration structure.



POLYESTER FILTER CLOTH

Polyester filter cloth has a low resistance, excellent water resistance, well-defined pore size, and absolute filtration accuracy, which ensures stable effluent quality. It offers a wide range of microfiltration precision options, typically from 10 to 1000 µm. It is recommended for applications such as advanced treatment of municipal wastewater. It is applicable for the inside-in and outside-out filtration structure.



PILE FILTER CLOTH

The filter cloth is woven from long-fiber materials with an effective filtration depth of ≈ 3 mm. Benefiting from the capillary action, it features high filtration speed and large flow, with an average filtration rate of ≈ 10 m³/hr². The filtration precision of 10 µm is defined as relative accuracy. Normally, it is applicable for scenarios where the average influent is ≈ 30 mg/L and the effluent SS is ≈ 5 mg/L. It is suitable for filtering wastewater with large flows and low viscosity. It is designed for the inside-in and outside-out filtration structure.

MICRO SURFACE FILTERS

Disc and cloth filtration configurations for diverse applications

CSL IMPEX PRODUCT RANGE

PILE CLOTH ROTARY DISC FILTER (CDFP SERIES)

Operating Principle

Raw water flows into the filter tank through the inlet water pipe and passes through the filter cloth under the action of gravity. During filtration, the pile on the filter cloth is fed down by hydraulic pressure, so micron-size suspended solids can be filtered out. After the raw water is filtered through the filter cloth, the clear water enters the filter disc and flows into the adjustable water outlet pipe through the center drum. As the filtration proceeds, the amount of particles accumulated on the filter cloth increases, the filtration rate gradually decreases, and the water level in the filter tank rises. When the water level rises up to the set value, the back washing can be started by the control system to clean the filter cloth. The drive motor drives the central drum to rotate, and the suction cups are close to the surface of the filter, to perform negative pressure suction. The particles in the filter are released. In the same time, the filtered water in the filter disc is sucked out from the inside to the outside, and the particles on the filter cloth are brought out to get the purpose of cleaning.

During the solid particles on the surface of the filter disc, larger particles in the sewage will sink to the bottom of the trapezoidal tank, and this part of the sediment will be regularly cleaned out of the tank through the suction pipe at the tank bottom. Throughout the filtration process, both the filter discs and the suction cups remain stationary, and the filtration operation runs continuously during backwashing.



Product Features

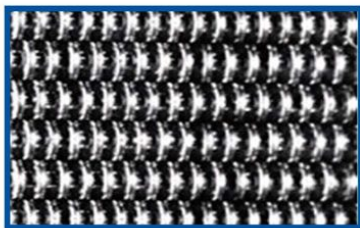
- Vertical disc design, large filtration area, small footprint.
- Long filter cloth with featuring high permeability and fast filtration speed.
- During filtration, the filter cloth lies down to improve micron filtration precision.
- During backwashing, the laid-down filters stand upright to release particles.
- Filter cloths are cleaned group by group.
- Low head loss, generally 300 mm inside the filter tank.
- The equipment is less affected by accidents in the upstream system and recovers quickly.
- Anti-chugging suction pump is used.
- Combination the functions of filter and sedimentation tank.
- Anti-freezing design for cold regions.
- Continuous operation, backwashing is automatically controlled by a Level gauge.



MICRO SURFACE FILTER

The cloth disc filter is a type of surface filtration equipment. Surface filtration is the mechanical filtration of the liquid through a layer of filter material to remove suspended solids in the liquid. The filter medium is woven from metal, chemical fiber or various synthetic materials in different ways. The filtration pore size is generally 1-1000µm. It is mainly applied in advanced sewage treatment at municipal wastewater treatment plants, reuse of industrial process water, circulating water filtration in aquaculture, and reclaimed water reuse. It can be installed downstream of conventional activated sludge processes, sequencing batch reactor (SBR) systems, extended aeration processes, and oxidation ditch systems as an alternative to sand filters. It is primarily used to remove total suspended solids (TSS). When combined with chemical dosing processes, it can also remove partial phosphorus, turbidity, chemical oxygen demand (COD), and other pollutants.

Features of Filter Media



STAINLESS STEEL FILTER CLOTH

It features high strength, excellent corrosion resistance, well-defined pore size, and absolute filtration accuracy, which ensures stable effluent quality. It offers a wide range of microfiltration precision options, typically from 10 to 1000 µm. Stainless steel has a low expansion and contraction coefficient, thus being hardly affected by temperature variations in the atmosphere and water. It is applicable for the inside-in and outside-out filtration structure.



POLYESTER FILTER CLOTH

It features high strength, smooth surface, excellent corrosion resistance, well-defined pores size, and absolute filtration accuracy, which ensures stable effluent quality. It offers a wide range of microfiltration precision options, typically from 10 to 1000 µm. Polyester filter cloth is recommended for applications such as advanced treatment of municipal waste water. It is applicable for the inside-in and outside-out filtration structure.



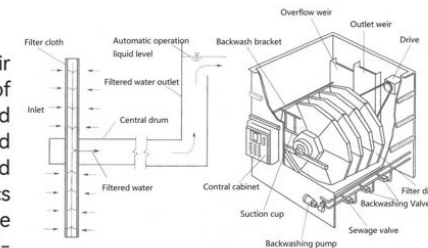
PILE FILTER CLOTH

The filter cloth is woven from long-fiber materials with an effective filtration depth of ≥ 3 mm. Benefiting from the capillary action, it features high filtration speed and large flux, with an average filtration rate of $\leq 10 \text{ m}^3/(\text{m}^2 \cdot \text{h})$. The filtration precision of 10 µm is defined as relative accuracy. Normally, it is applicable for scenarios where the average influent ss is $\leq 30 \text{ mg/L}$ and the effluent SS is $\leq 5 \text{ mg/L}$. It is suitable for filtering wastewater with large flocs and low viscosity. It is designed for the outside-in and inside-out filtration structure.

PILE CLOTH ROTARY DISC FILTER (CDFP SERIES)

Operating Principle

Raw water flows into the filter tank through the inlet weir plate and passes through the filter cloth under the action of gravity. During filtration, the pile on the filter cloth is lied down by hydraulic pressure, so micron-size suspended solids can be filtered out. After the raw water is filtered through the filter cloth, the clean water enters the filter discs and flows into the adjustable water outlet plate through the center drum. As the filtration proceeds, the amount of particles intercepted on the filter cloth increases, the filtration rate gradually decreases, and the water level in the filter tank rises. When the water level rises up to the set value, the back washing can be started by the control system to clean the filter cloth. The drive motor drives the central drum to rotate, and the suction cups are close to the surface of the filter, to perform negative pressure suction. The particles in the fiber are released. At the same time, the filtered water in the filter discs is sucked out from the inside to the outside, and the particles deposited on the filter discs are brought out to get the purpose of cleaning. In addition to cleaning the solid particles on the surface of the filter discs, larger particles in the sewage will naturally settle at the bottom of the hopper-shaped tank, and this part of the sediment will be regularly cleaned out of the tank through the suction pipe at the tank bottom. Throughout the filtration process, both the filter discs and the suction cups remain stationary, and the filtration operation runs continuously during backwashing.

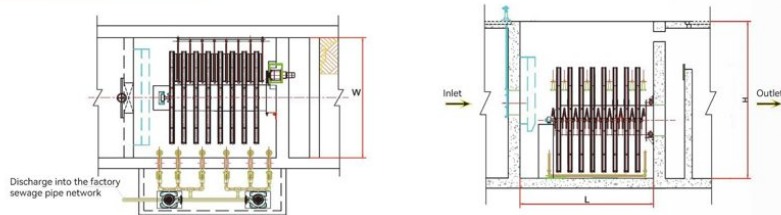


Product Features

- ◆ Vertical disc design, large filtration area, small footprint.
- ◆ long-fiber cloth with featuring high permeability and fast filtration speed.
- ◆ During filtration, the filter cloth lies down to improve micron filtration precision
- ◆ During backwashing, the laid-down fibers stand upright to release particles
- ◆ Filter cloths are cleaned group by group
- ◆ Low head loss, generally 300 mm inside the filter tank.
- ◆ The equipment is less affected by accidents in the upstream system and recovers quickly.
- ◆ Anti-clogging suction pump is used.
- ◆ Combination the functions of filter and sedimentation tank
- ◆ Anti-freezing design for cold regions.
- ◆ Continuous operation, backwashing is automatically controlled by a Level gauge



Model and Size



Model	Disc Diameter (mm)	total disc areas (m ²)	Length (L) (mm)	Width (W) (mm)	Height (H) (mm)	Power (kW)
CDFP-2004	2000	22.4	2600	2600	3500	2.37
CDFP-2006	2000	33.6	3200	2600	3500	2.41
CDFP-2008	2000	44.8	3800	2600	3500	2.45
CDFP-2010	2000	56	4400	2600	3500	5.43
CDFP-2012	2000	67.2	5000	2600	3500	5.82
CDFP-2014	2000	78.4	5600	2600	3500	6.26
CDFP-2016	2000	89.6	6200	2600	3500	6.3
CDFP-2018	2000	100.8	6800	2600	3500	8.54
CDFP-2020	2000	112	7400	2600	3500	8.58
CDFP-2508	2500	70.4	4600	3500	4200	5.74
CDFP-2510	2500	88	5300	3500	4200	6.18
CDFP-2512	2500	105.6	6000	3500	4200	6.22
CDFP-2514	2500	123.2	6700	3500	4200	8.46
CDFP-2516	2500	140.8	7400	3500	4200	9.2
CDFP-2518	2500	158.4	8100	3500	4200	9.24
CDFP-2520	2500	176	8800	3500	4200	9.28
CDFP-3008	3000	100.8	4600	4000	4700	5.74
CDFP-3010	3000	126	5300	4000	4700	5.78
CDFP-3012	3000	151.2	6000	4000	4700	6.22
CDFP-3014	3000	176.4	6700	4000	4700	8.48
CDFP-3016	3000	201.6	7400	4000	4700	9.2
CDFP-3018	3000	226.8	8100	4000	4700	9.24
CDFP-3020	3000	252	8800	4000	4700	10.08

Main Design Parameters



Filtration Rate: $\leq 15 \text{ m}^3/(\text{m}^2 \cdot \text{h})$
Backwash Water Volume: $\leq 3\%$ of total water volume
Head Loss: 300 mm within the tank
Back-Suction Intensity: $333 \text{ L}/(\text{m}^2 \cdot \text{s})$
Application Range: Influent SS $\leq 30 \text{ mg/L}$, Effluent SS $\leq 5 \text{ mg/L}$
Filter Cloth Selection: long-fiber cloth for flocculent suspended solids
Filter Disc Rotation Speed: 1–2 rpm
Optional: Anti-freezing Design

PILE CLOTH VERTICAL BLOCK FILTER (CBFP SERIES)

Operation principal

Raw water enters the filter tank through the influent weir plate and passes through the filter cloth under gravity. During filtration, the fibers of the filter cloth lie flat to trap micron suspended solids. After filtration through the filter cloth, the filtered water enters the interior of the filtration module, is collected via the bottom water distribution system, and flows into the effluent well. As filtration proceeds, more particles are trapped on the filter cloth, the filtration rate gradually decreases, and the water level in the filter tank rises. When the water level reaches the set value, the control system starts the backwashing process to clean the filter cloth. The drive motor moves the overhead traveling bridge, and the suction cups, moving with the bridge, apply negative pressure to the surface of the filter cloth. particles trapped between the fibers are released, and water inside the filter discs is drawn outward, flushing out the deposited particles and achieving cleaning.

In addition to removing solids trapped on the disc surface, larger particles in the raw water settle naturally to the tank bottom. These sediments are periodically pumped out of the tank through the sludge discharge pipeline at the bottom. The filter discs remain stationary throughout both filtration and backwashing, and filtration continues uninterrupted during backwashing.

Product Features

Vertical block filters have similar characteristics with rotary disc cloth filters. However, compared with rotary disc cloth filters, they can accommodate more filter media per unit volume, resulting in a smaller footprint.

Main Design Parameters

Filtration Rate: $\leq 15 \text{ m}^3/(\text{m}^2 \cdot \text{h})$
Backwash Water Volume: $\leq 3\%$ of total water volume
Head Loss: 300 mm within the tank
Back-Suction Intensity: $333 \text{ L}/(\text{m}^2 \cdot \text{s})$
Application Range: Influent SS $\leq 30 \text{ mg/L}$, Effluent SS $\leq 5 \text{ mg/L}$
Filter Cloth Selection: long-fiber cloth for flocculent suspended solids
Linear Speed of Traveling Bridge: 1–2m/min
Optional: Anti-freezing Design

Model and Size

Concrete structure

Model	Area(m ²)	Capacity(m ³ /d)	Power(kW)
CBFP-50F	50	5000	7.77
CBFP-70F	70	7500	7.77
CBFP-100F	100	10000	11.65
CBFP-120F	120	12500	11.65
CBFP-150F	160	15000	11.65
CBFP-200F	200	20000	11.65
CBFP-240F	240	25000	11.65
CBFP-300F	300	30000	11.65

Actual dimensions shall be subject to the drawings

Steel Structure

Model	Area (m ²)	Capacity (m ³ /d)	Tank Outline Dimensions(m)	Inlet Dia.	Outlet Dia.	Drain Dia.	Power (kW)
CBFP-10T	10	1000	2.9×2.7×3.5	DN150	DN150	DN200	4.07
CBFP-20T	20	2000	4.0×2.7×3.5	DN150	DN200	DN200	4.07
CBFP-30T	30	3000	5.8×2.7×3.5	DN250	DN300	DN200	4.07
CBFP-40T	40	4000	6.7×2.7×3.5	DN300	DN300	DN200	4.07
CBFP-50T	50	5000	7.8×2.7×3.5	DN300	DN350	DN200	4.07
CBFP-60T	60	6000	8.1×2.7×3.5	DN350	DN350	DN200	4.07
CBFP-70T	70	7000	8.8×3.0×3.5	DN350	DN400	DN200	4.07
CBFP-80T	80	8500	9.9×3.0×3.5	DN400	DN450	DN200	4.07
CBFP-90T	90	10000	11.2×3.0×3.5	DN450	DN450	DN200	4.07

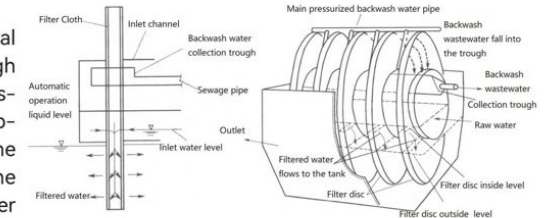


WOVEN CLOTH ROTARY DISC FILTER (CDFW SERIES)

Operation principal

The raw water flows through the central water pipe and enters the filter discs through the central drum by gravity head. When suspended solids, small particles, and other substances in the raw water are intercepted on the inner surface of the cloth of filter discs, as time goes on, the intercepted substances in the filter cloth increases, and the liquid level in filter discs also starts to rise. When the liquid level reaches the set value, the filter discs start to rotate slowly, and at the same time, the backwash device is activated that is installed in the upper part of the filter and above the liquid level. The backwash device applies the filtered water by the filter to spray the filter cloth from outside to inside. The suspended solids and other small particles are flushed into the collection channel and discharged outside from the filter, while backwashing does not affect the filtration operation of the filter.

The filter process runs continuously with intermittent backwash.

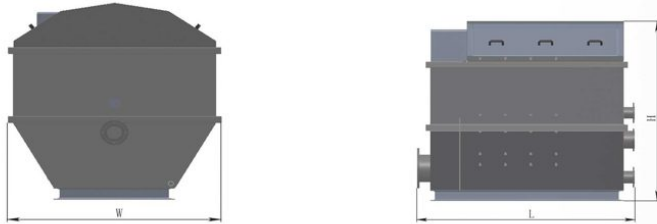


Product Features

- ◆ Small footprint, large filtration area per disc.
- ◆ Modular design; the number of filter discs can be increased or decreased according to capacity.
- ◆ Grouped design of filter discs allows quick replacement of filter cloth based on water quality requirements.
- ◆ Oscillating nozzles improve cleaning efficiency and extend filter cloth service life.
- ◆ Foldable spray boom facilitates nozzle replacement and maintenance.
- ◆ Head loss: 50–200 mm, maximum allowable head loss: 300 mm.
- ◆ Stainless steel or polyester woven filter cloth.
- ◆ Well-defined filtration precision with stable effluent quality.
- ◆ Filtered water is used as backwash water, with 1–3% backwash water volume a of the total flow.
- ◆ Backwash sludge water flows out by gravity after cleaning.
- ◆ Continuous operation with automatic backwash control via a level gauge.
- ◆ Two structural types: tank-type and frame-type, offering convenient installation.



Model and Size



Model	Disc Diameter (mm)	Area (m ²)	Length (L) (mm)	Width (W) (mm)	Height (H) (mm)	Power (kW)
CDFW-1204	1200	6.4	1840	1600	1680	0.8
CDFW-1206	1200	9.6	2300	1600	1680	1.1
CDFW-1208	1200	12.8	2760	1600	1680	1.4
CDFW-1210	1200	16	3220	1600	1680	1.7
CDFW-1704	1700	14	2200	2080	2160	1.1
CDFW-1706	1700	21	2650	2080	2160	1.4
CDFW-1708	1700	28	3100	2080	2160	1.8
CDFW-1710	1700	35	3550	2080	2160	2.2
CDFW-1712	1700	42	4000	2080	2160	2.8
CDFW-2402	2400	11.2	2070	2500	2700	1.6
CDFW-2404	2400	22.4	2470	2500	2700	2.4
CDFW-2406	2400	33.6	2870	2500	2700	3.2
CDFW-2408	2400	44.8	3270	2500	2700	3.8
CDFW-2410	2400	56	3670	2500	2700	4.2
CDFW-2412	2400	67.2	4070	2500	2700	5.4
CDFW-2414	2400	78.4	4470	2500	2700	6.9
CDFW-2416	2400	89.6	4870	2500	2700	8.6
CDFW-2418	2400	100.8	5270	2500	2700	10.5
CDFW-2420	2400	112	5670	2500	2700	12.8
CDFW-2422	2400	123.2	6070	2500	2700	16.8
CDFW-2424	2400	134.4	6670	2500	2700	18.2

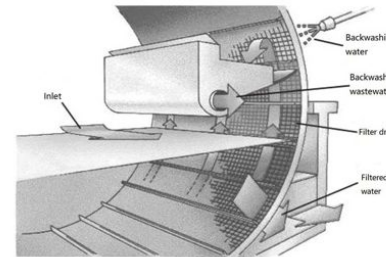
Main Design Parameters



Backwash Pressure: 6–7 bar
Backwash Water Volume: ≤ 3% of total water volume
Head Loss: 200–250 mm within the tank
Maximum Pressure Difference: 450 mm
Filtration Rate: ≤ 15 m³/(m²·h)
Filter Cloth Option: Stainless steel or polyester filter cloth, precision 6–1000 μm
Filter Disc Rotation Speed: 1.5–3.5 rpm
Optional: Automatic chemical cleaning system; High-efficiency backwashing system

WOVEN CLOTH ROTARY DRUM FILTER (CRFW SERIES)

Operation principal



Raw water to be filtered flows by gravity into the interior of the filter drum.

Filtered water passes through the stainless steel filter cloth and flows out of the drum, while suspended solids are retained on the inner side of the filter cloth.

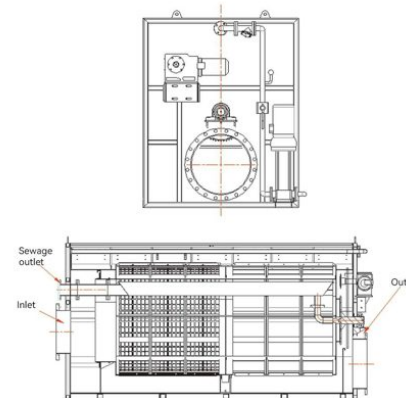
The drum rotates slowly at a constant speed. High-pressure washing water is sprayed from the outside to the inside through nozzles located above the drum, flushing the accumulated particles on the inner side of the filter cloth into the sludge collection trough inside the drum. Backwashing water is taken from the filtered water. Contaminants in the sludge collection trough are discharged through the drain pipe under gravity.

Product Features

- ◆ Compact structure, small footprint.
- ◆ Stainless steel filter cloth is adopted.
- ◆ Easy to replace the filter cloth.
- ◆ Simple structure with relatively low manufacturing cost.
- ◆ The drum rotates continuously during filtration.
- ◆ Shear force generated during drum rotation can increase the filtration rate.
- ◆ Used as a fine screen at the front of the treatment process.



Model and Size



Model	Capacity (m ³ /d)	Power (kW)	Backwash Pump Power (kW)	Tank Dimensions (mm)
CRFW-900/1T	1000	0.55	1.1	1300×1200×1350
CRFW-900/2T	2000	0.75	1.1	1800×1200×1350
CRFW-1300/2T	5000	0.75	2.2	2200×1700×1850
CRFW-1300/3T	7500	1.1	2.2	2700×1700×1850
CRFW-1300/4T	10000	1.1	3	3200×1700×1850
CRFW-1500/5T	15000	1.5	4	3200×1900×2150
CRFW-1500/6T	20000	1.5	4	4200×1900×2150
CRFW-1500/8T	30000	1.5	5.5	5200×1900×2150
CRFW-1500/11T	40000	2.2	7.5	6700×1900×2150



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Filtration Equipment

No.	Item	High efficiency Microfiber Disc Filter	Ple Cloth Rotary Disc/Drum Filter	Woven Cloth Rotary Disc/Drum Filter
		MMF Series	CDPF /CDRF Series	CDPWL/CDRW Series
1	Filter Cloth Material	High efficiency Microfiber	Ple Cloth	Stainless steel or polyester filter cloth
2	Filtration accuracy	1-10µm	10µm	10-1000µm
3	Submergence mode	Semi submerged	Fully submerged	Semi submerged
4	Flow direction	Inside and Outside out	Inside and Outside out	Inside and Outside out
5	Backwash mode	Contact	Contact	Contact
6	Screening and solids separation for water-treatment processes			
7	Inlet Parameters	10-100-200mg/L	10-100mg/L	10-100-200mg/L
8	Outlet Parameters	10-100-200mg/L	10-100mg/L	10-100-200mg/L
9	Screening Rate	>95%	>95%	>95%
10	Operation Mode	Continuous operation	Continuous operation	Continuous operation
11	Design Filtration Rate	Series A	Series B	Series C
12	Chemical Resistance	Strong	Weak	Strong

CSL IMPEX PRODUCT RANGE

FINE SCREEN

A screen is a solid liquid separation equipment that continuously removes impurities from wastewater. It is used for pre-screening and pretreatment in municipal wastewater, industrial wastewater, reclaimed water, summer stormwater, tap water, MBR systems, and other applications. The fine screens manufactured by Jinghewang are available with aperture sizes ranging from 1 mm to 6 mm. Compared with conventional screens, their main features include a single flow pattern, low head loss, and complete separation between raw water and filtered water.

BAND SCREEN (TBS SERIES)

Operation principle

The wastewater to be filtered enters through the water inlet in the middle of the screen and flows from the inside out through the perforated screen plates on both sides. The intercepted screen residues remain on the inner surface of the screen plates, which are continuously rotated by a motor and lifted to the upper residue discharge zone. Backwash water flushes the residues from the outside in into the residue collection trough, from which they are discharged through the outlet. The cleaned screen plates are re-immersed into the water. The entire operation process features continuous effluent and effluent without shutdown. The intercepted screen residues can be conveyed to a screen residue dewatering unit for dehydration, compression, and transportation.

Product Features

LOW HEAD LOSS

Wastewater does not pass through the screen plate twice, with head loss <10mm.

HIGH SCREEN CAPTURE EFFICIENCY

The screen plate has an aperture of 1-6 mm, which can effectively intercept solids larger than the aperture.

EASY INSTALLATION

Vertical installation effectively saves space. The installation process, no modifications to the original civil structure are required, reducing construction costs.

EASY SCREENING REMOVAL

The screen plate is made of polymer material with a smooth surface, which is not prone to clogging and easy to clean, without the need for cleaning brushes or high-pressure washing pumps.

NO SCREENING OVERFLOW

The influent side and effluent side are completely separated by the screen plate, so intercepted screenings will not enter the clear water side.

EFFECTIVE REMOVAL OF FLAT SOLIDS

The screen plate is equipped with uniformly arranged round holes, which can effectively intercept flat solids that cannot be removed by other types of screens, such as sand shells, paper scraps, weeds, etc.

EFFECTIVE REMOVAL OF HAIR AND FIBROUS MATERIALS

The thickness of the screen plate is greater than the hole diameter, effectively preventing hair and other fibrous materials from passing through or becoming entangled.

SIMPLE OPERATION AND STABLE OPERATION

The equipment can be controlled based on the pressure difference between influent and effluent. There are no driving components under water, so operation is simple.



Comparison of Various Advanced Treatment Filtration Equipment

No.	Item	High-efficiency Microfiber Disc Filter	Pile Cloth Rotary Disc/Drum Filter	Woven cloth Rotary Disc/Drum Filter
		HMDF Series	CDFP /CBFP Series	CDFW/CRFW Series
1	Filter Cloth Material	High-efficiency Microfiber	Pile Cloth	Stainless steel or polyester filter cloth
2	Filtration accuracy	1-50µm	10µm	10-1000µm
3	Submersion mode	Semi-submerged,	Fully submerged	Semi-submerged
4	Filtration direction	Outside-in and Inside-out	Outside-in and Inside-out	Inside-in and Outside-out
5	Backwash mode	Pressurized water non-contact	Negative pressure suction contact	Pressurized water non-contact
6	Head loss (in tank)	≤300mm	≤300mm	≤300mm
7	Inlet Parameters	SS≤30~200mg/L	SS≤30mg/L	SS≤30~200mg/L
8	Outlet Parameters	SS≤1~20mg/L	SS≤10mg/L	SS≤10~50mg/L
9	Backwash Water Volume	≤3%	≤3%	≤3%
10	Operation Mode	Continuous operation	Continuous operation	Continuous operation
11	Design Filtration Rate	6m³/m².h	8m³/m².h	6m³/m².h
12	Chemical Resistance	Strong	Weak	Strong

FINE SCREEN

A screen is a solid-liquid separation equipment that continuously removes impurities from wastewater. It is used for pre-screening and pretreatment in municipal wastewater, industrial wastewater, reclaimed water, summer stormwater, tap water, MBR systems, and other applications. The fine screens manufactured by Jinglinweiye are available with aperture sizes ranging from 1 mm to 6 mm. Compared with conventional screens, their main features include a single flow pattern, low head loss, and complete separation between raw water and filtered water.

BAND SCREEN (TBS SERIES)

Operation principal

The wastewater to be filtered enters through the water inlet in the middle of the screen and flows from the inside out through the perforated screen plates on both sides. The intercepted screen residues remain on the inner surface of the screen plates, which are continuously rotated by a motor and lifted to the upper residue discharge zone. Backwash water flushes the residues from the outside in into the residue collection trough, from which they are discharged through the outlet. The cleaned screen plates are re-immersed into the water. The entire operation process features continuous influent and effluent without shutdown. The intercepted screen residues can be conveyed to a screen residue dewatering unit for dehydration, compression, and transportation.

Product Features

LOW HEAD LOSS

Wastewater does not pass through the screen plate twice, with head loss≤300mm.

HIGH SCREEN CAPTURE EFFICIENCY

The screen plate has an aperture of 1-6 mm, which can effectively intercept solids larger than the aperture.

EASY INSTALLATION

Vertical installation effectively saves space. For renovation projects, no modifications to the original civil structure are required, reducing construction costs.

EASY SCREENINGS REMOVAL

The screen plate is made of polymer material with a smooth surface, which is not prone to clogging and easy to clean, without the need for cleaning brushes or high-pressure washing pumps.

NO SCREENINGS OVERFLOW

The influent side and effluent side are completely separated by the screen plate, so intercepted screenings will not enter the clean water side.

EFFECTIVE REMOVAL OF FLAT SOLIDS

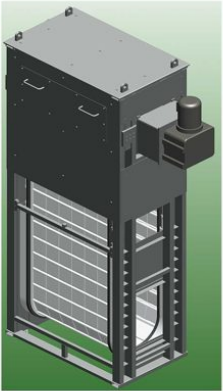
The screen plate is equipped with uniformly arranged round holes, which can effectively intercept flat solids that cannot be removed by other types of screens, such as seed shells, paper scraps, weeds, etc.

EFFECTIVE REMOVAL OF HAIR AND FIBROUS MATERIALS

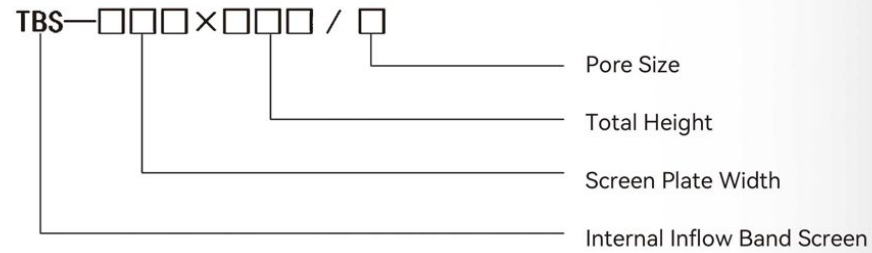
The thickness of the screen plate is greater than the hole diameter, effectively preventing hair and other fibrous materials from passing through or becoming entangled.

SIMPLE OPERATION AND STABLE OPERATION

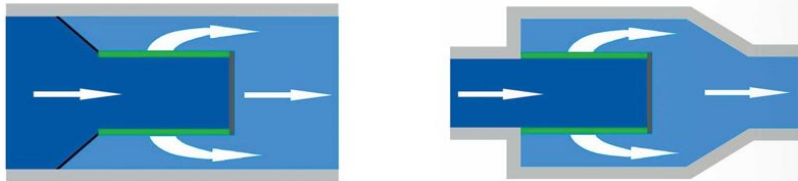
The equipment can be controlled based on the pressure difference between influent and effluent. There are no driving components under water, so operation is simple.



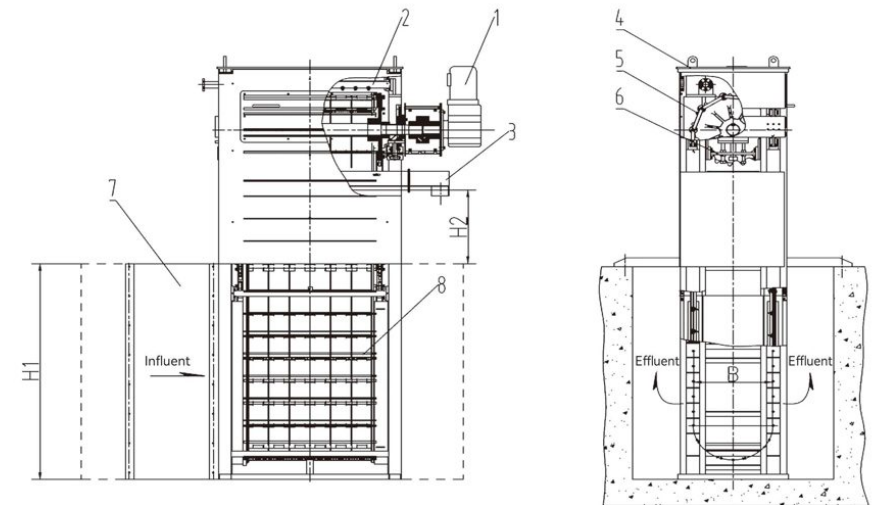
Model Designation



Flow Mode



Schematic Diagram



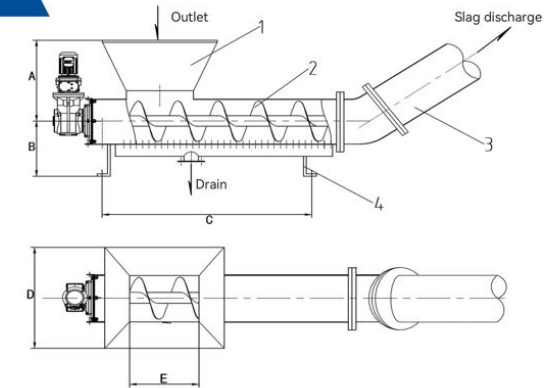
- 1 (Drive Motor) 2 (Screen Plate Washing System) 3 (Sludge collection trough)
- 4 (Main Frame) 5 (Sprocket Drive Unit) 6 (Screen Plate Tensioning System)
- 7 (Inlet Baffle) 8 (Screen Plate)

Technical Data Sheet

Screen Plate Width mm	Inlet Width mm	Design Water Level mm	Design Flow Rate m³/d	Channel Depth mm	Channel Width mm	Backwash Water Flow L/min	Motor Power kW
800	600	1200	30000	1700	1600	174	0.75
800	600	1500	40000	2000	1600	174	1.1
1200	600	1500	60000	2000	1600	250	1.5
1200	600	1800	70000	2300	1600	250	1.5
1600	850	2000	110000	2500	2300	328	2.2
1600	850	2300	130000	2800	2300	328	2.2
1600	850	2500	145000	3000	2300	328	2.2
2000	1000	2300	170000	2800	3000	405	3
2000	1000	2500	185000	3000	3000	405	3
2400	1000	3000	266000	3500	3000	501	3
2400	1400	2500	222000	3000	4000	501	3
2800	1400	3000	310000	3500	4000	579	4

HIGH-DRY SCREW PRESS (SP SERIES)
Operation principal

High-dry screw press is a supporting equipment for perforated plate screens. It is used to mechanically press and dewater the screenings captured by the perforated plate screen, reducing their moisture content and volume for easy transportation. The screw press conveyor consists of a squeezing screw, screw tube, transmission components, feed hopper and discharge hopper. Screenings enter the screw tube from the feed hopper, and under the action of the squeezing screw, they are compressed and dewatered before being conveyed to the slag discharge outlet.

Schematic diagram


1 Hopper 2 Screw body 3 Screw Barrel 4 Frame

Technical Data Sheet

Model	SP-260	SP-300	SP-360
Screw Outer Diameter (mm)	200	260	300
Screw Speed (r/min)	5-10		
Capacity (m³ /h)	1-3	5-6	6-9
Moisture Content: Before Treatment	85-95%		
Moisture Content: After Treatment	40-45%		
Motor Power (kW)	1.5	2.2	2.2
L (mm)	1500	1500	1800
B (mm)	219	273	325



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Product Feature

- Modular product structure design, integrated combination of mixer and pump types, allowing convenient separation of capacity and functions.
- Users can configure single tank with single pump, single tank with two pumps, two tanks with two pumps, and multi tank multi pump systems according to process requirements.
- Flexible configuration of optional solutions based on different media and application requirements.
- A variety of equipment and components from domestic and international brands, with different materials and grades, are available as options.
- Multiple control modes are available to meet requirements for manual, automatic, and semi-automatic operation.

DOSING SYSTEMS

Automated chemical preparation and dosing solutions

- Water treatment: water softening, water filtration, water disinfection, water dechlorination, etc.
- Industrial process: boiler feed water dosing, circulating water dosing, hydrochloric dosing, phosphate dosing, boiler water sampling, etc.

CSL IMPEX PRODUCT RANGE



Dosing System Model Designation



Selection Parameters for Dosing System

Customer Name				
Site Name				
Application Location				
Operating Temperature				
Medium Name				
Preparation Concentration	%			
Number of Dosing Pumps	1/2/3			
Max. Pressure at Dosing Point	MPa			
Dosing Tank				
Dosing Type				
Dosing Tank Material	316			
Material	Carbon steel / 316 stainless steel / 316 stainless steel with rubber lining / 316 stainless steel / 316 stainless steel			
System - Tank	1/2/3			
Type of Mixing Pump	Centrifugal / Diaphragm / Peristaltic / Other			
Mixing Pump Flow Rate	L/min			
Control Mode	Manual / Automatic			
System Material	Carbon steel / 316 stainless steel / 316L / 316Ti			

DOSING SYSTEM

The MAD Series Dosing System is a complete set of chemical metering and feeding equipment developed and designed to support the company's process equipment and meet market demands, in strict accordance with design specifications.

Product Feature

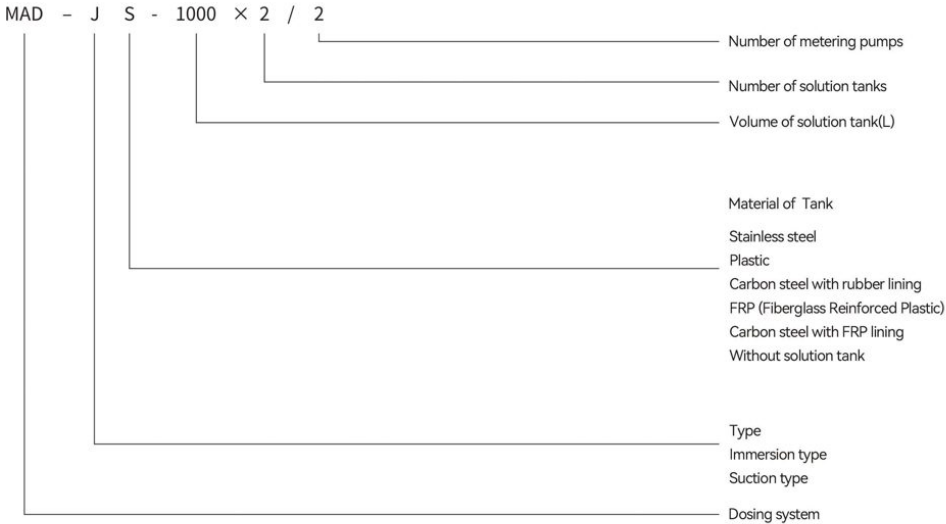
- ※ Modular product structure design, integrated combination of immersion and suction types, allowing convenient expansion of capacity and functions.
- ※ Users can configure single tank with single pump, single tank with two pumps, two tanks with two pumps, and multi-tank multi-pump systems according to process requirements.
- ※ Flexible configuration of optimal solutions based on different media and application requirements.
- ※ A variety of equipment and components from domestic and international brands, with different materials and grades, are available as options.
- ※ Multiple control modes are available to meet requirements for manual, automatic, and semi-automatic operation.

Application

- ※ Water treatment: water purification, wastewater treatment, biochemical water treatment, etc.
- ※ Petrochemical industry: refinery product additive dosing, chlorine injection, sulfur injection, corrosion inhibitor injection, etc.
- ※ Electric power industry: boiler feed water dosing, circulating water dosing, hydrazine dosing, phosphate dosing, boiler water sampling, etc.
- ※ Oil and gas production: corrosion inhibitor, methanol, demulsifier, scale inhibitor injection, etc.



Dosing System Model Designation



Selection Parameters for Dosing System

Customer Name				
Unit Name			Quantity	Set
Installation Location				
Operating Parameters				
Medium Name			Medium Temperature	°C
Preparation Concentration	%		Solution Density	kg/m³
Number of Dosing Points	Point		Flow Rate at Dosing Point	L/h
Back Pressure at Dosing Point		Mpa		
Operating Status		☐ Intermittent ☐ Continuous		
Structure Type				
Solution Tank Volume	m³		Number of Solution Tanks	Set
Material	☐ Stainless Steel ☐ Carbon Steel ☐ Carbon Steel with Rubber Lining ☐ Non-metallic ☐ Others			
Agitator / Mixer	☐ Y ☐ N	Material	Quantity	Set
Type of Metering Pump	☐ Mechanical Diaphragm Pump ☐ Hydraulic Diaphragm Pump ☐ Plunger Pump		Quantity	Set
Metering Pump Flow Rate		L/h	Metering Pump Pressure	Mpa
Control Mode	☐ Manual Adjustment ☐ Automatic Adjustment			
Pipeline Material	☐ Stainless Steel ☐ Carbon Steel ☐ UPVC ☐ Others			

MAD-J DOSING UNIT

The immersion type dosing system can be configured into various structures such as one tank with two pumps, two tanks with two pumps, and multi-tank multi-pump systems. It can be used for the preparation and quantitative dosing of liquid-liquid, solid-liquid, and gas-liquid chemical solutions.

Product Feature

- ※ Complete functions, high safety and stable performance.
- ※ Skid-mounted design for easy transportation, installation and maintenance.
- ※ Independent control cabinet with flexible function combination, convenient for installation and commissioning.

Application Fields

- ※ Water treatment dosing: Flocculant dosing in water plants; flocculant, coagulant aid, defoamer dosing in wastewater treatment, etc.
- ※ Power plant – internal boiler dosing: Ammonia and hydrazine dosing for feed water; phosphate dosing and co-ordinated phosphate control for boiler water; ammonia dosing for condensate water, etc.
- ※ Power plant – external boiler dosing: Coagulant and coagulant aid dosing for raw water; stabilizer (corrosion inhibitor), scale inhibitor and bactericide dosing for circulating water; ammonia and phosphate dosing for start-up boiler house; ferrous sulfate film coating for condenser, etc.

Technical Specification Sheet

Model	Solution Tank Volume L	Overall Dimensions(L×W×H) mm		Metering Pump Flow Rate L/h	Total Power kW	Weight(T)	
		PE Solution Tank	304 Solution Tank			PE Solution Tank	304 Solution Tank
MAD-J□-500/2	500	2100×1200×1450	2100×1450×2100	0~62.5	0.2~1.7	1	1.2
MAD-J□-500×2/2	2×500	2450×1550×1450	2700×1450×2100	0~500	0.3~1.8	1.6	1.8
MAD-J□-1000/2	1000	2400×1500×1650	2600×1500×2700	0~125	0.5~3.5	1.7	2
MAD-J□-1000×2/2	2×1000	2850×1750×1650	3200×2200×2700	0~1000	0.8~3.8	2.8	3.2
MAD-J□-1500/2	1500	2400×2000×2200	3000×2000×2850	0~187.5	0.6~9	2.4	2.8
MAD-J□-1500×2/2	2×1500	3380×2200×2200	3900×2550×2850	0~1500	1.2~10	4.2	4.6
MAD-J□-2000/2	2000	3000×2000×2400	3000×2000×2700	0~250	0.6~9	3	3.4
MAD-J□-2000×2/2	2×2000	3600×2200×2400	3900×2700×2700	0~2000	1.2~10	5.4	6.4

Notes:
The overall dimensions are for selection reference only; the actual dimensions depend on the selection of metering pumps.
The one-tank two-pump dosing system is designed for continuous dosing over 8 hours with one batch preparation. The two-tank two-pump dosing system allows continuous operation and is designed for preparation at least once per hour.
The total power varies with the chemical viscosity, metering pump flow rate and metering pump pressure.
The weight refers to the operating weight. The shipping weight is the operating weight minus the corresponding chemical weight.

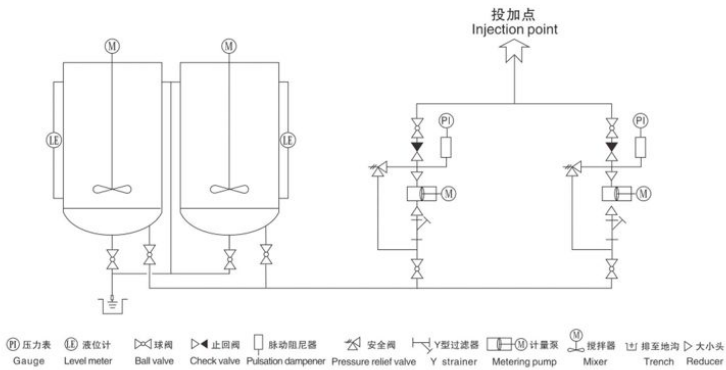
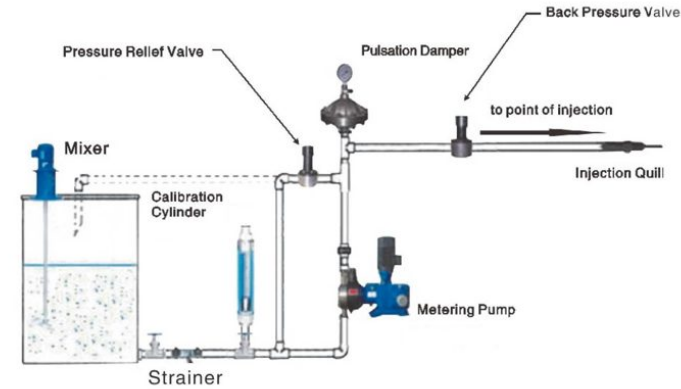


Diagram of Two-Tank & Two-Pump Dosing System



MAD-J Series Typical Installation Drawing



MAD-X DOSING UNIT

The standard configuration of the suction type dosing system consists of one solution tank, one metering pump and one agitator. Through simple combination, it can be structured into two-tank two-pump and multi-tank multi-pump systems. It can be used for mixing, preparation and dosing of liquid-liquid, solid-liquid and gas-liquid chemical solutions.

Product Feature

- ※ Simple structure and stable performance.
- ※ Small footprint, good economy, easy installation and maintenance.
- ※ Metering pump with suction installation, not easy to block.

Application

- ※ Preparation and dosing of solutions such as bleaching agent, polyelectrolyte and lime slurry in water treatment.
- ※ Dosing of various cleaning detergents.
- ※ Preparation and dosing of various industrial additives.
- ※ Dosing of flocculant, coagulant and defoamer for wastewater treatment.

Technical Specification Sheet

Model	Solution Tank Volume L	Dimensions of solution tank (φ×H) mm		Agitator Impeller Diameter mm	Metering Pump Flow Rate L/h
		PE	304		
MAD-X□-100/1	100	φ460×750	φ50×6700	200	0 ~ 12.5
MAD-X□-200/1	200	φ580×830	φ656×800	250	0 ~ 25
MAD-X□-500/1	500	φ800×1115	φ806×1200	400	0 ~ 62.5
MAD-X□-1000/1	1000	φ1000×1420	φ1006×1400	500	0 ~ 125
MAD-X□-1500/1	1500	φ1320×1400	φ1208×1500	640	0 ~ 187.5
MAD-X□-2000/1	2000	φ1308×1645	φ1408×1400		0 ~ 250

Notes:

The dimensions of PE solution tanks are the supplier's standard dimensions and cannot be modified.

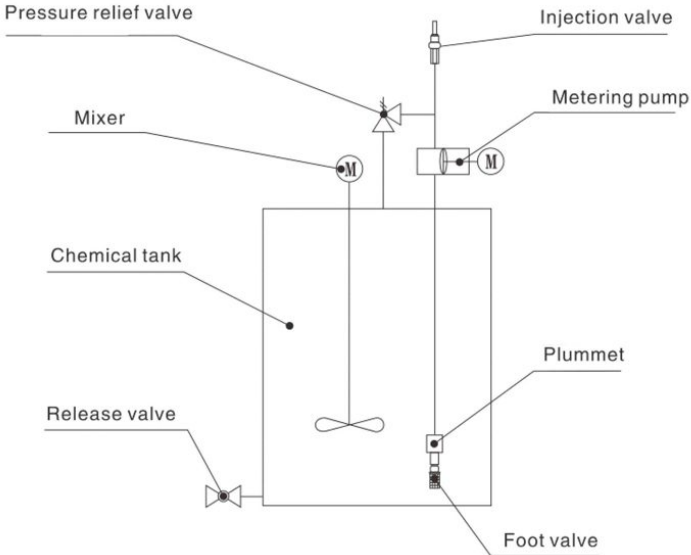
All 304 stainless steel solution tanks adopt standard elliptical heads, and can be customized by the user according to on-site conditions.

The impeller diameter is selected for solutions with viscosity less than 100 cP.

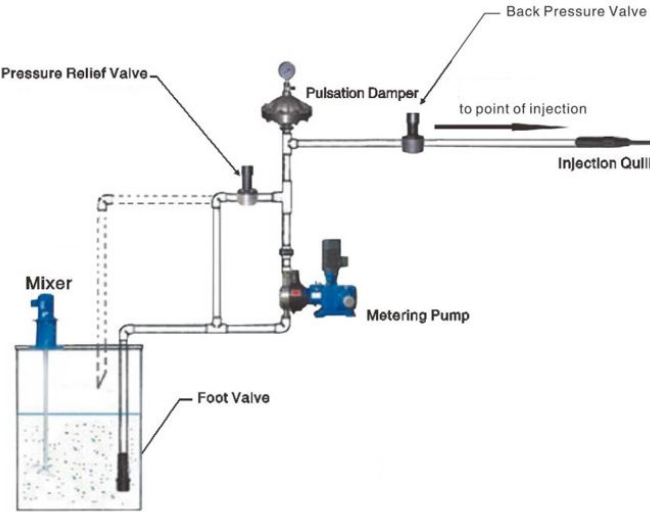
The metering pump flow rate is designed for continuous dosing over 8 hours with one batch preparation.



Diagram of Suction-Type Dosing System



MAD-X Series Typical Installation Drawing



AP POLYMER PREPARATION UNIT

Equipped with an automatic dry powder metering and dosing device, various powdered and granular dry powder chemicals can be automatically and continuously prepared into liquid media of different concentrations, and then accurately dosed into the process system by a metering pump. The whole process is fully automatically controlled.

Product Feature

- ※ Dry powder feeding, solution preparation and supporting dosing devices are automatically controlled by PLC.
 - ※ Precise and reliable feeding method, capable of preparing chemicals of any concentration.
 - ※ Parts in contact with the medium are made of smooth, corrosion-resistant engineering plastics, stainless steel and other materials, effectively preventing material adhesion and corrosion.
 - ※ Adopts intelligent instrument control to ensure accurate chemical dosing.
- The system adopts a multi-tank design to ensure thorough dispersion and maturation.

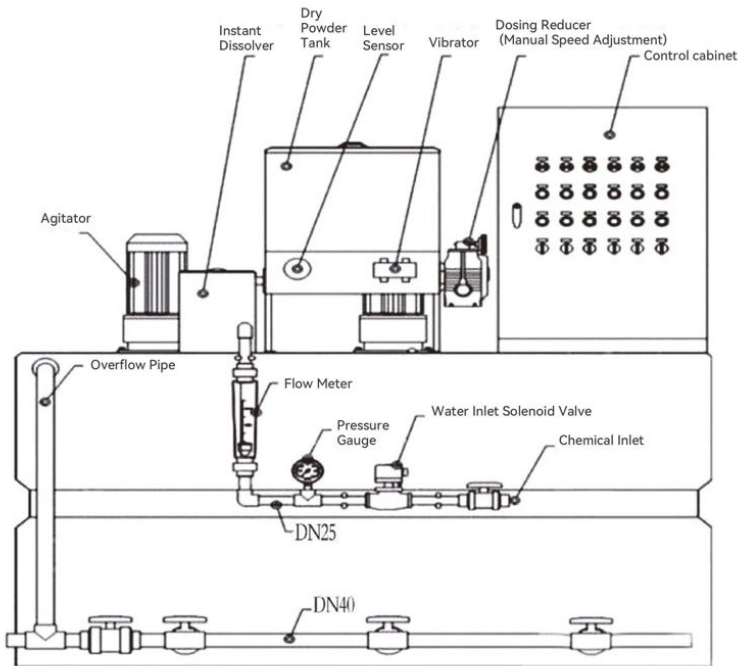
Application

- ※ Flocculation treatment of municipal or industrial wastewater.
- ※ Flocculation treatment during sludge dewatering.
- ※ Drinking water purification treatment.
- ※ Process dosing in food, chemical, petroleum, metallurgy, paper making and other industries.

Technical Specification Sheet

Model	unit	AP-400	AP-1000	AP-1500	AP-2000	AP-3000	AP-4000	AP-6000	AP-8000
Preparation Capacity	L/h	400	1000	1500	2000	3000	4000	6000	8000
Water Consumption	L/h	1500	1500	2500	3000	4500	6000	9000	12000
Water Pressure	bar	3 ~ 5	3 ~ 5	3 ~ 5	3 ~ 5	3 ~ 5	3 ~ 5	3 ~ 5	3 ~ 5
Dry Powder Dosing Rate	L/h	1.3 ~ 30	1.3 ~ 30	1.3 ~ 30	1.3 ~ 30	2 ~ 55	4 ~ 95	8 ~ 185	8 ~ 185
Overall dimensions									
Length (L)	mm	1600	2200	2400	2600	3000	3250	3700	4200
Width (W)	mm	925	980	1100	1100	1100	1500	1730	2000
Height (H)	mm	1250	1600	1700	1750	1850	1900	2100	2100
Inlet Pipe Connection Size	DN	20	25	25	32	32	40	50	50
Dosing Outlet Pipe Connection Size	DN	20	25	32	32	32	40	50	50
Power Supply	kW	0.7	1.5	2	2.4	3	3.4	4	5.8

Notes:
The standard material is 304 stainless steel. Customers can specify material requirements according to their needs.



MAD-P ACTIVATED CARBON DOSING UNIT

The MAP-P series powder quantitative mixing and conveying system integrates powder storage silo, mechanical mixing device, screw conveyor and other dosing equipment, as well as solution mixing tank. It is used for lime slaking, flue gas desulfurization and denitrification, water treatment, and many other industrial applications.

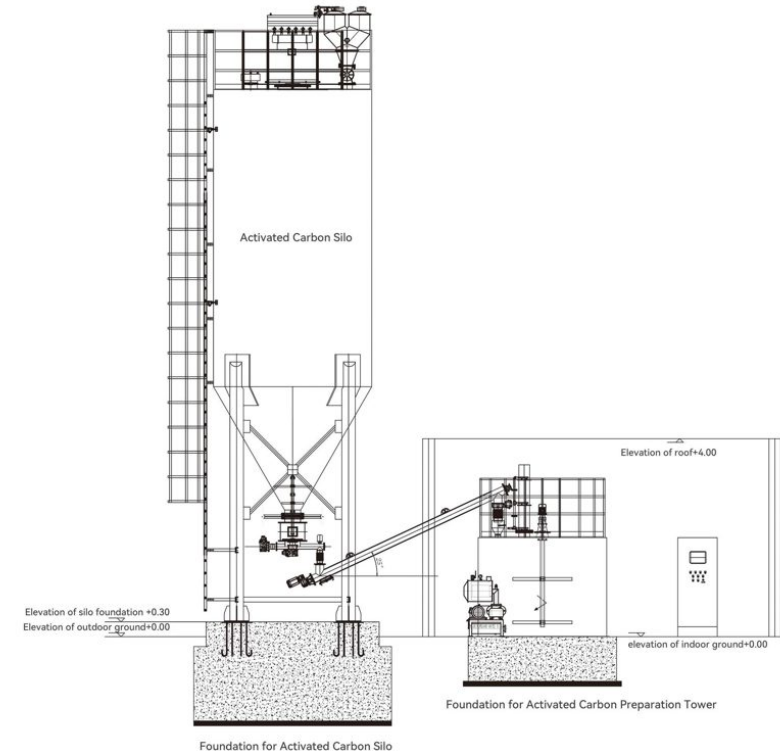
It is mainly used for conveying and dosing chemical powders such as quicklime/hydrated lime powder, powdered activated carbon, cement, sodium carbonate (sodium bicarbonate), potassium permanganate, flour, titanium oxide, silica, calcium carbonate, iron oxide, filter residue dry powder, aluminum sulfate, talcum powder, etc.

Product Feature

- ※ Standard size flanges connected with hopper and cone, easy for installation.
- ※ Energy saving, with low power of geared motor.
- ※ Multiple independently operated metering conveyors can be configured under the main body.
- ※ Convenient connection with downstream equipment or systems (conveyors, sludge mixers, moisture-proof dosing devices, etc.).
- ※ Mechanical discharge without compacting or contaminating powder.
- ※ Easy and flexible installation: 360° rotatable flanges, adjustable conveyor length, and configurable flexible or rigid conveying screws.
- ※ Stable continuous feeding and accurate quantitative conveying.

Application

- ※ The MAP-P series powder quantitative mixing and conveying equipment handles almost all coagulants (such as PAC), coagulant aids (such as PAM), powdered activated carbon, lime, sodium carbonate and other materials.
- ※ It is usually used together with dry powder dosing devices and suitable for various technical processes, e.g. water treatment industry, wastewater treatment industry, paper making industry, etc.





Start your product enquiry

Share the product model, required flow, filtration precision, quantity, destination and packaging requirements.

Chandrasukh

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