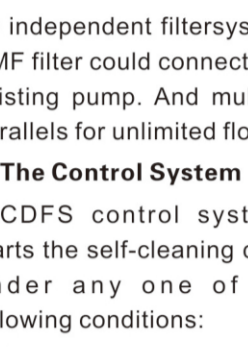


Media Filter System



多灵过滤系统

DAWNING FILTER SYSTEM

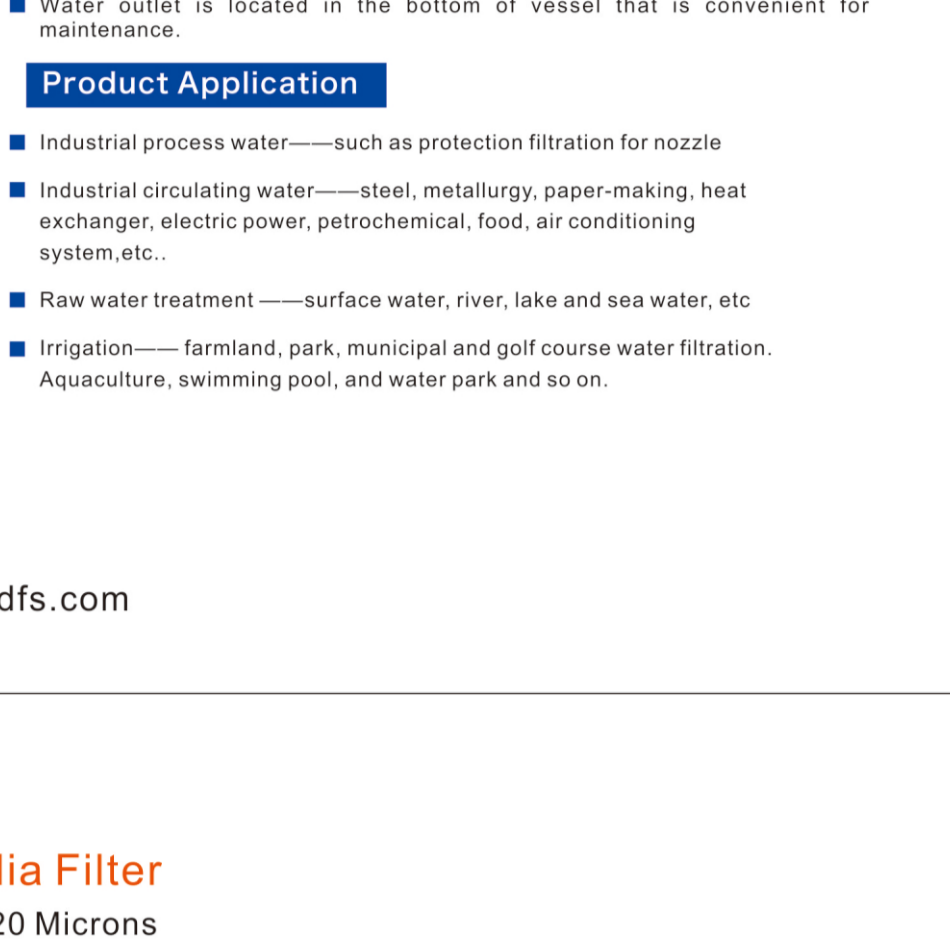


Media Filter System

Principle

DMF filter system is made of one or more standard high speed filtering units and water flow into water distributor, filtration bed and water collector, which can effectively remove particles and reduce turbidity. If feeding with particular media, such as activated carbon, anthracite etc., correspondingly, the filter can also absorb and remove the organics, ions, etc.

DMF filter tank diameter 20"(500mm)-56"(1400mm). As independent filter system, DMF filter could connect with existing pump. And multiple parallels for unlimited flow.



Product Features

- High speed flow and low pressure loss.
- Modular and compact design. (The area decreased by more than 40% and piping reduced by at least 50%).
- Manual, semi-automatic, full-automatic backwash optional.
- Back washing could choose filtering cleaning water or another water source, which is free to switch (when needed).
- 20-56" vessels are combined to make flow expand freely.
- Carbon steel vessels and pipelines are anti-corrosion processed through phosphate surface treatment and 240°C high temperature electrostatic coating.

The Control System

CDFS control systems starts the self-cleaning cycle under any one of the following conditions:

- Receiving a signal from the Pressure Differential Switch
- Time interval parameter set at the control system
- Manual Start Filtering time and cycle could be adjustable which is realized by CDFS standard controller. PLC system is optional to make remote control.

Product Advantages

- Core components brands (BERMAD, BACCARA, SIEMENS, MITSUBISHI).
- The design of filtration unit is single chamber which have better backwash effect and the probability is less than sand flow out.
- Utilizing stainless steel collector which have longer life.
- Water outlet is located in the bottom of vessel that is convenient for maintenance.

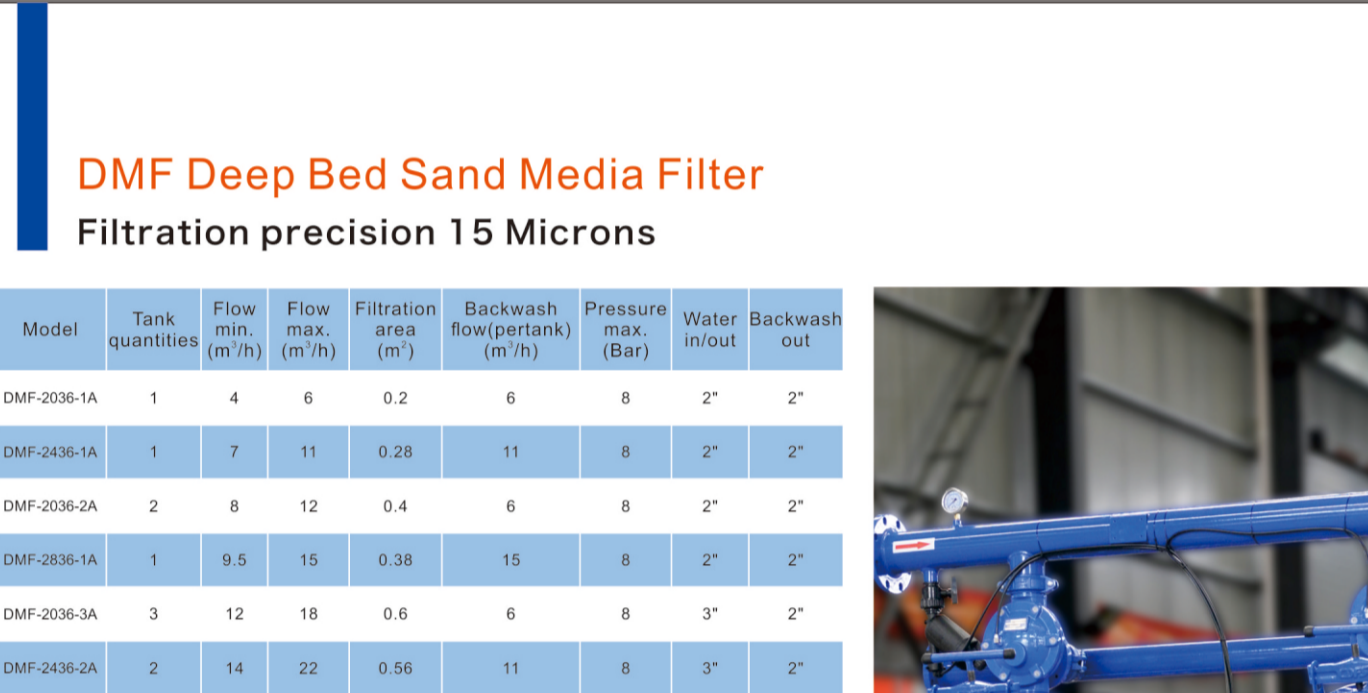
Product Application

- Industrial process water——such as protection filtration for nozzle
- Industrial circulating water——steel, metallurgy, paper-making, heat exchanger, electric power, petrochemical, food, air conditioning system, etc.
- Raw water treatment —— surface water, river, lake and sea water, etc
- Irrigation —— farmland, park, municipal and golf course water filtration. Aquaculture, swimming pool, and water park and so on.

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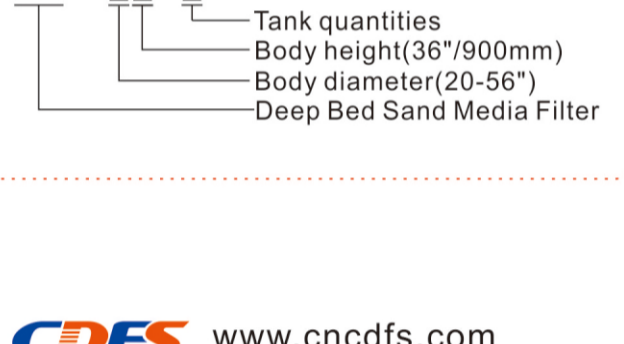
DMF Sand Media Filter

Filtration precision 20 Microns



Model	Tank quantities	Flow min. (m ³ /h)	Flow max. (m ³ /h)	Filtration area (m ²)	Backwash flow (per tank) (m ³ /h)	Pressure max. (Bar)	Water in/out	Backwash out
DMF-2024-1A	1	4	6	0.2	6	8	2"	2"
DMF-2424-1A	1	7	11	0.28	11	8	2"	2"
DMF-2824-2A	2	8	12	0.4	6	8	2"	2"
DMF-2824-1A	1	9.5	15	0.38	15	8	2"	2"
DMF-2024-3A	3	12	18	0.6	6	8	3"	2"
DMF-2424-2A	2	14	22	0.56	11	8	3"	2"
DMF-3624-1A	1	18	24	0.64	24	8	3"	3"
DMF-2824-2A	2	19	30	0.76	15	8	4"	2"
DMF-2424-3A	3	22	32	0.84	11	8	3"	3"
DMF-4824-1A	1	29	43	1.13	43	8	3"	3"
DMF-3624-2A	2	32	48	1.28	24	8	4"	3"
DMF-2824-3A	3	28.5	45	1.15	15	8	4"	3"
DMF-5624-1A	1	39	58	1.54	58	8	4"	4"
DMF-3624-3A	3	48	72	1.54	24	8	6"	3"
DMF-4824-2A	2	57	86	2.26	43	8	6"	4"
DMF-5624-2A	2	78	108	3.08	54	8	6"	4"
DMF-4824-3A	3	86	129	3.39	43	8	6"	4"
DMF-5624-3A	3	117	174	4.62	58	8	8"	4"
DMF-4824-4A	4	115	172	4.52	43	8	8"	4"
DMF-4824-5A	5	143	215	5.65	43	8	8"	4"
DMF-4824-6A	6	172	258	6.78	43	8	10"	4"
DMF-5624-4A	4	156	232	6.16	58	8	8"	4"
DMF-5624-5A	5	195	290	7.7	58	8	10"	4"
DMF-5624-6A	6	234	348	9.24	58	8	10"	4"

Model Explanation



Standard products scope of supply:

- Single chamber Endogenous backwash;
- Assembled filter system in skid;
- Water in/out, backwash valves;
- Controller, solenoid valve, mainfolds;
- Water distributor and collector;
- Carbon steel with epoxy coating inside and outside, 200°C high temperature treating

Optional:

- Higher pressure;
- PLC controller;
- External backwash;
- Gas source backwash;
- SS304/316 housing
- Customized pipe layout
- Double chamber

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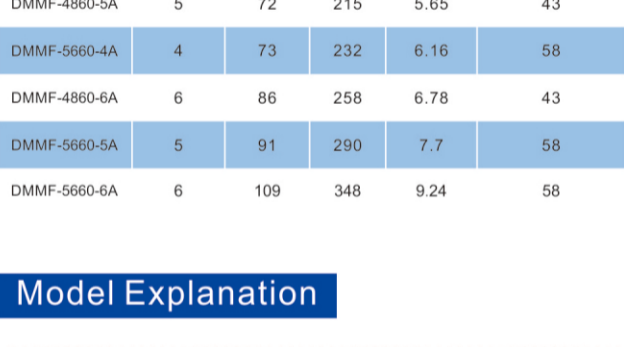
DMF Deep Bed Sand Media Filter

Filtration precision 15 Microns

Model	Tank quantities	Flow min. (m ³ /h)	Flow max. (m ³ /h)	Filtration area (m ²)	Backwash flow (per tank) (m ³ /h)	Pressure max. (Bar)	Water in/out	Backwash out
DMF-2036-1A	1	4	6	0.2	6	8	2"	2"
DMF-2436-1A	1	7	11	0.28	11	8	2"	2"
DMF-2036-2A	2	8	12	0.4	6	8	2"	2"
DMF-2836-1A	1	9.5	15	0.38	15	8	2"	2"
DMF-2036-3A	3	12	18	0.6	6	8	3"	2"
DMF-2436-2A	2	14	22	0.56	11	8	3"	2"
DMF-3636-1A	1	16	24	0.64	24	8	3"	3"
DMF-2436-2A	2	19	30	0.76	15	8	4"	3"
DMF-2436-3A	3	22	32	0.84	11	8	3"	3"
DMF-4836-1A	1	29	43	1.13	43	8	3"	3"
DMF-3636-2A	2	32	48	1.28	24	8	4"	3"
DMF-2836-3A	3	33	50	1.15	15	8	4"	3"
DMF-5636-1A	1	39	58	1.54	58	8	4"	4"
DMF-3636-2A	2	48	73	1.92	24	8	6"	3"
DMF-4836-2A	2	57	86	2.26	43	8	6"	4"
DMF-5636-2A	2	78	116	3.08	58	8	6"	4"
DMF-4836-3A	3	86	129	3.39	43	8	6"	4"
DMF-5636-3A	3	117	174	4.62	58	8	8"	4"
DMF-4836-4A	4	115	172	4.52	43	8	8"	4"
DMF-4836-5A	5	143	215	5.65	43	8	8"	4"



Model Explanation



Standard products scope of supply:

- Single chamber Endogenous backwash;
- Assembled filter system in skid;
- Water in/out, backwash valves;
- Controller, solenoid valve, mainfolds;
- Water distributor and collector;
- Carbon steel with epoxy coating inside and outside, 200°C high temperature treating

Optional:

- Higher pressure;
- PLC controller;
- External backwash;
- Gas source backwash;
- SS304/316 housing
- Customized pipe layout
- Double chamber

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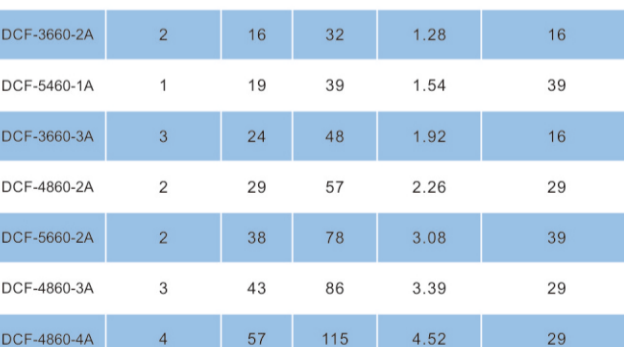
DMMF Multi-Media Filter

Filtration precision 5 Microns

Model	Tank quantities	Flow min. (m ³ /h)	Flow max. (m ³ /h)	Filtration area (m ²)	Backwash flow (per tank) (m ³ /h)	Pressure max. (Bar)	Water in/out	Backwash out
DMMF-2060-1A	1	2	4	0.2	4	8	2"	2"
DMMF-2060-2A	2	4	8	0.4	6	8	2"	2"
DMMF-2860-1A	1	5	15	0.38	15	8	2"	2"
DMMF-2060-3A	3	6	18	0.6	6	8	3"	2"
DMMF-2460-2A	2	7	22	0.56	11	8	3"	2"
DMMF-3660-1A	1	8	24	0.64	24	8	3"	3"
DMMF-2460-2A	2	10	30	0.76	15	8	4"	3"
DMMF-2460-3A	3	11	32	0.84	11	8	3"	3"
DMMF-4860-1A	1	14	43	1.13	43	8	3"	3"
DMMF-2860-3A	3	15	45	1.15	15	8	4"	3"
DMMF-3660-2A	2	16	48	1.28	24	8	4"	3"
DMMF-5660-1A	1	19	58	1.54	58	8	4"	4"
DMMF-3660-3A	3	24	73	1.92	24	8	6"	3"
DMMF-4860-2A	2	29	86	2.26	43	8	6"	4"
DMMF-5660-2A	2	38	116	3.08	58	8	6"	4"
DMMF-4860-3A	3	43	129	3.39	43	8	6"	4"
DMMF-4860-4A	4	57	172	4.52	43	8	8"	4"
DMMF-5660-3A	3	57	174	4.62	58	8	8"	4"
DMMF-4860-5A	5	72	215	5.65	43	8	8"	4"
DMMF-5660-4A	4	73	232	6.16	58	8	8"	4"
DMMF-4860-6A	6	86	258	6.78	58	8	10"	4"
DMMF-5660-5A	5	91	290	7.7	43	8	10"	4"
DMMF-5660-6A	6	109	348	9.24	58	8	10"	4"



Model Explanation



Standard products scope of supply:

- Single chamber Endogenous backwash;
- Assembled filter system in skid;
- Water in/out, backwash valves;
- Controller, solenoid valve, mainfolds;
- Water distributor and collector;
- Carbon steel with epoxy coating inside and outside, 200°C high temperature treating

Optional:

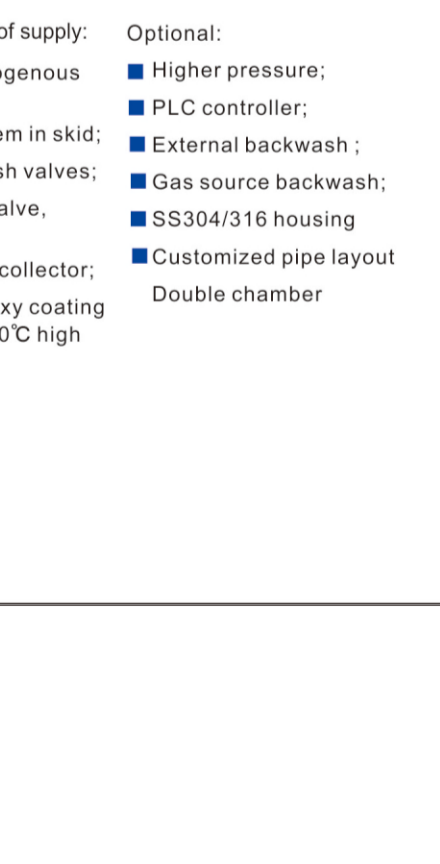
- Higher pressure;
- PLC controller;
- External backwash;
- Gas source backwash;
- SS304/316 housing
- Customized pipe layout
- Double chamber

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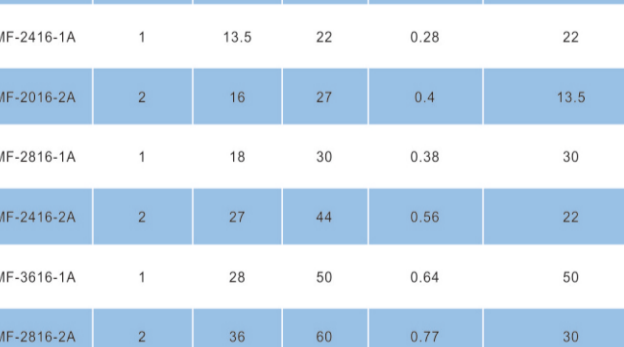
DCF Activated Carbon Filter

Filtration precision 5 Microns

Model	Tank quantities	Flow min. (m ³ /h)	Flow max. (m ³ /h)	Filtration area (m ²)	Backwash flow (per tank) (m ³ /h)	Pressure max. (Bar)	Water in/out	Backwash out
DCF-2090-1A	1	2	4	0.2	4	8	2"	2"
DCF-2090-2A	2	4	8	0.4	7	8	2"	2"
DCF-2890-1A	1	5	9.5	0.38	9.5	8	2"	2"
DCF-2090-3A	3	6	12	0.6	4	8	3"	2"
DCF-2490-2A	2	7	15	0.56	7	8	3"	2"
DCF-2890-2A	2	10	19	0.76	9.5	8	4"	3"
DCF-2490-3A	3	11	21	0.84	7	8	3"	3"
DCF-4890-1A	1	14	32	1.13	29	8	3"	3"
DCF-2890-3A	3	15	45	1.15	15	8	4"	3"
DCF-3690-2A	2	16	48	1.28	24	8	4"	3"
DCF-5690-1A	1	19	58	1.54	58	8	4"	4"
DCF-3690-3A	3	24	48	1.92	16	8	6"	4"
DCF-4890-2A	2	29	57	2.26	29	8	6"	3"
DCF-5690-2A	2	38	78	3.08	39	8	6"	4"
DCF-4890-3A	3	43	86	3.39	29	8	6"	4"
DCF-4890-4A	4	57	115	4.52	29	8	8"	4"
DCF-5690-3A	3	57	174	4.62	29	8	8"	4"
DCF-4890-5A	5	72	143	5.65	29	8	8"	4"
DCF-5690-4A	4	76	156	6.16	39	8	8"	4"
DCF-4890-6A	6	86	172	6.78	29	8	8"	4"
DCF-5690-5A	5	95	195	7.7	39	8	10"	4"
DCF-5690-6A	6	114	234	9.24	39	8	10"	4"



Model Explanation



Standard products scope of supply:

- Single chamber Endogenous backwash;
- Assembled filter system in skid;
- Water in/out, backwash valves;
- Controller, solenoid valve, mainfolds;
- Water distributor and collector;
- Carbon steel with epoxy coating inside and outside, 200°C high temperature treating

Optional:

- Higher pressure;
- PLC controller;
- External backwash;
- Gas source backwash;
- SS304/316 housing
- Customized pipe layout
- Double chamber

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Sand Filter for Irrigation

Filtration precision 40 Microns

Model	Tank quantities	Flow min. (m ³ /h)	Flow max. (m ³ /h)	Filtration area (m ²)	Backwash flow (per tank) (m ³ /h)	Pressure max. (Bar)	Water in/out	Backwash out
DMF-2016-1A	1	8	13.5	0.2	13.5	8	2"	2"
DMF-2416-1A	1	13.5	22	0.28	22	8	2"	2"
DMF-2016-2A	2	16	27	0.4	13.5	8	2"	2"
DMF-2816-1A	1	18	30	0.38	30	8	3"	3"
DMF-2416-2A	2	27	44	0.56	22	8	3"	2"
DMF-3616-1A	1	28	50	0.64	50	8	3"	3"
DMF-2816-2A	2	36	60	0.77	20	8	4"	3"
DMF-2416-3A	3	40.5	66	0.85	22	8	3"	3"
DMF-4816-1A	1	50	85	1.13	85	8	4"	4"
DMF-2816-3A	3	54	90	1.15	30	8	4"	3"
DMF-3616-2A	2	56	100	1.28	50	8	4"	3"
DMF-3616-3A	3							