

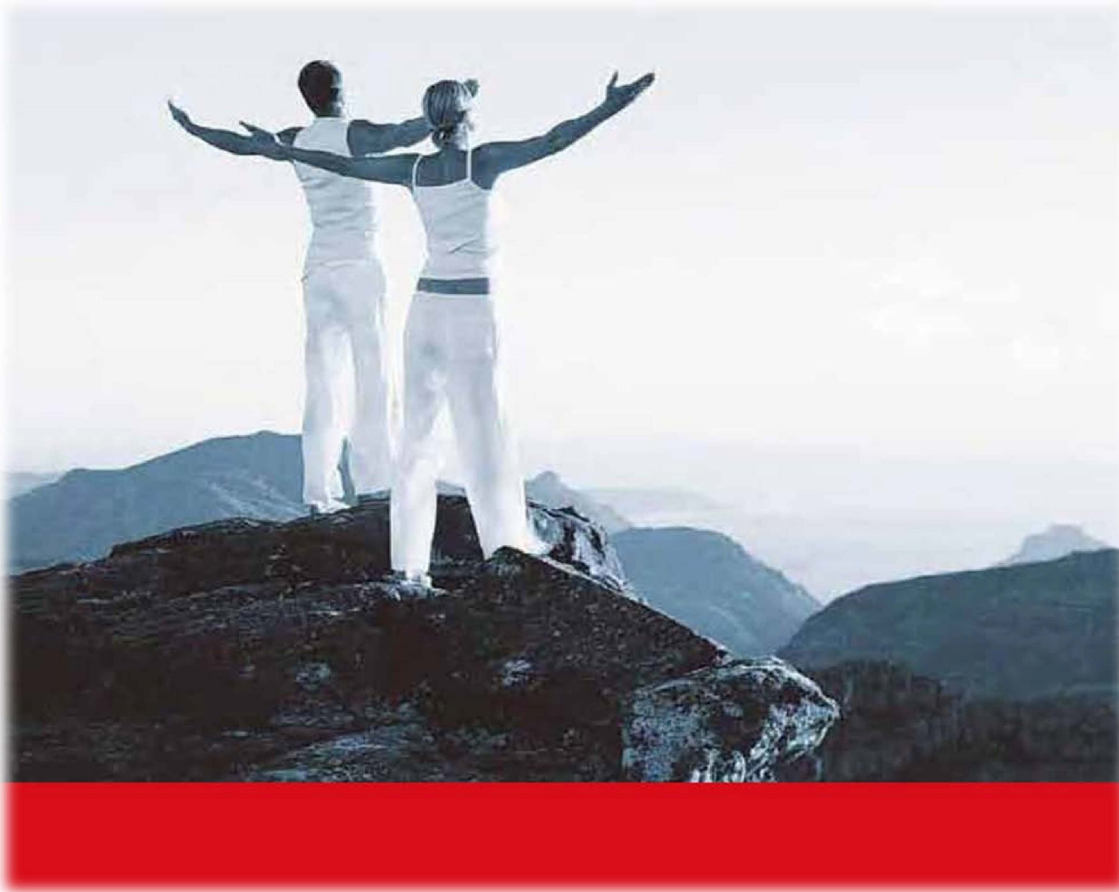
Creation of a Healthy
Industry Environment



PRODUCT CATALOG

SHANGHAI AASF TECHNOLOGY CO., LTD.

Shanghai AASF Technology Co., Ltd.



CONTENTS

Solenoid/Diaphragm Valves	> 5
DMF-Z Solenoid/Diaphragm valves	> 5
DMF-Y Solenoid/Diaphragm valves	> 11
DMF-ZM Solenoid/Diaphragm valves	> 17
DMF-T Solenoid/Diaphragm valves	> 21
Heavy-Caliber Solenoid/Diaphragm Valves	> 25
Solenoid Valves with Piston	> 26
Pneumatic Valves	> 27
Remote Control Enclosure	> 28
Pulse Controllers	> 29
DMK-3CS Series Pulse Controllers	> 29
DMK-4CS Series Pulse Controllers	> 31
DMK-5CS Series Pulse Controllers	> 33
DMK-6CS Series Pulse Controllers	> 35
Bag Cages	> 37
Filter Bags	> 39
Special Parts For Baghouse	> 43



**Creation of a Healthy
Industry Environment.**

Established in HK and SH, Shanghai AASF Technology Co., Ltd. is a professionally energetic environmental company with a good team, experts of more than 20 years in developing, manufacturing and trading & selling bag filtration component, automatic dust-clean system and accessories. With a product line covers pulse jet valve, dust control device, filter bag, filter bag cage, special parts, electric control cabinet and filter cartridge, the company enjoys the most complete options and highest quality of its bag filtration components in China, Malaysia, Germany, USA etc. With full range of testing equipment and advanced production techniques, the performance and quality of the company's automated and semi-automated production lines in mold design and processing, die casting, plastic injecting, press molding, plastic encapsulation, mechanical processing, welding and assembling have met the international standards for relevant categories. The company's products are widely used in dust treatment and smoke purification in ferrous metallurgy, non-ferrous metal metallurgy, construction cement, chemical, industrial power station boiler, urban trash burning and other applications. Its products are exported in large quantities to US, Europe, and Southeast Asia and enjoy great reputation and awareness both at home and abroad markets. Adhering to the principle of "people oriented", the company will focus on introducing in and cultivating human resources, stably improving product quality, developing new product, enlarging the sales scale, and providing a sound foundation for the sustainable development.

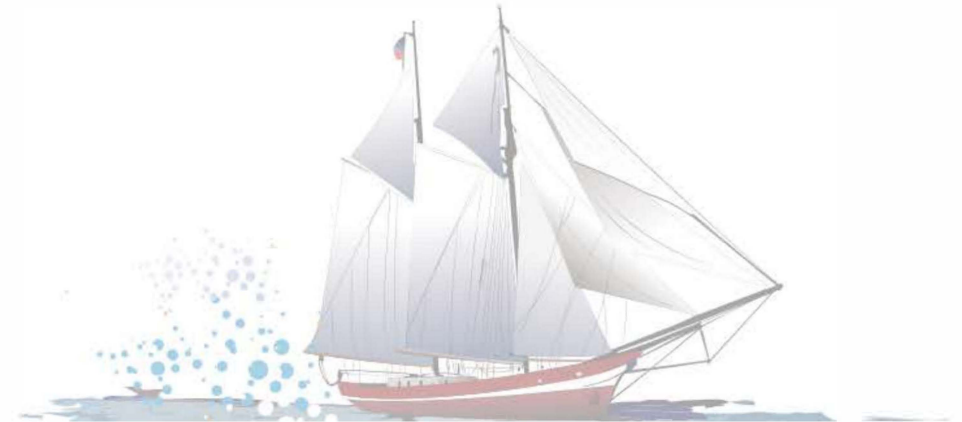
Note: Solenoid coils have green blue grey purple & black colors

In real order, blue coil is more elegant



Our products are widely used in dust treatment and smoke/gas cleaning in various industries, such as iron & steel refining, metallurgy, cement, chemical engineering, power generation and urban garbage burning.

By the rapid development of company, we are paying special attention to the progress of environmental protection. We attach great importance to resolving environmental issues caused by industrialization, improving the relationship between industry and environment protection, promote the harmony of society and nature, and create a healthy and safe industrial environment.



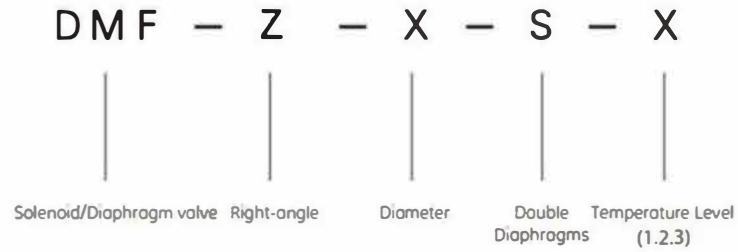


DMF - MAJ - Y - 1



Item	New Type (Description)	Original Type (Description)
1	DMF-MAJ-Z-1	DMF-Z
2	DMF-MAJ-Z-2	DMF-ZM
3	DMF-MAJ-Z-3	DMF-ZF
4	DMF-MAJ-Y-1	DMF-Y
5	DMF-MAJ-T-1	DMF-T
6	DMF-MAJ-Q-1-(Z)	DMF-2L-B
7	DMF-MAJ-Q-1-(Y)	DMF-Y-B
8	DMF-ZAJ-Y-1	STF-Y
9	DMF-ZAJ-Y-2	STF-Y-2
10	DMF-ZAJ-Y-3	STF-Y-3
11	DMF-ZAJ-Y-4	STF-Y-4
12	DMF-ZAJ-Y-5	STF-Y-5
13	DMF-ZAJ-Z-4	STF-Z

Type and Definition



Technical Index

Working Pressure	0.1~0.8MPa		
Working Media	Cleanair		
Voltage	DC24V	AC110V	AC220V
Current	0.8A	0.46A	0.23A
Temperature Level	1		3
	-25℃~80℃ -13°F~176°F		-25℃~230℃ -13°F~446°F
Relative Humidity of Air	≤ 85%		
Protection Class	IP65 ①		
Diaphragm Life	One million blows or 3 years		

Type and Specification

No.	Type	Diameter		Number of diaphragm	Size of inlet diaphragm	Outlet orifice connection	Weight kg	Kv/Cv
		mm	Inch					
1	DMF-Z-20	∅20	3/4"	1	G3/4"	G3/4"	0.65	17.55 / 20.48
2	DMF-Z-25	∅25	1"	1	G1"	G1"	0.8	26.16 / 30.53
3	DMF-Z-40S	∅40	1 1/2"	2	G1 1/2"	G1 1/2"	1.4	45.82 / 53.47
4	DMF-Z-50S	∅50	2"	2	G2"	G2"	2.4	61.24 / 71.47
5	DMF-Z-62S	∅62	2 1/2"	2	G2 1/2"	G2 1/2"	3.5	129.26 / 150.85
6	DMF-Z-76S	∅76	3"	2	G3"	G3"	4.3	159.95 / 186.66
7	DMF-Z-102S	∅102	4"	2	G4"	G4"	7.3	242.35 / 282.82
8	DMF-2L-B	∅20	3/4"	1	G3/4"	∅27	0.75	16.95 / 19.78
9	DMF-ZF-25	∅25	1"	1	∅34	∅34	1.0	26.16 / 30.53
10	DMF--ZF40S	∅40	1 1/2"	2	∅48	∅48	1.6	45.82 / 53.47

Material Construction

Body	ADC12 diecast aluminium
Armature	430FR stainless steel
Diaphragm & Seals	Nitrile
Spring	321stainless steel
Screws	302 stainless steel

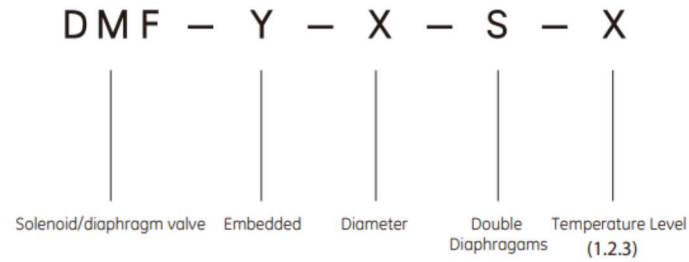
- ① Inspected by Shanghai Institute of Measurement and Testing Technology, it can meet the technical requirement of GB4208-93.
- ② Good quality imported membranes shall be selected and used for all the valves, with each part checked in each manufacturing procedure, and put into the assembly line conforming to all the procedures. Every finished valve shall be taken the electriferous blowing test.





DMF-Z-20	DMF-Z-25	DMF-Z-40S		DMF-Z-50S	DMF-Z-62S	DMF-Z-76S

Type and Definition



Technical Index

Working Pressure	0.1~0.8MPa		
Working Media	Clean air		
Voltage	DC24V	AC110V	AC220V
Current	0.8A	0.46A	0.23A
Temperature Level	1 -25℃~80℃ -13°F~176°F		3 -25℃~230℃ -13°F~446°F
Relative Humidity of Air	< 85%		
Protection Class	IP65 ①		
Diaphragm Life	One million blows or 3 years		

Type and Specification

No.	Type	Diameter		Number of diaphragm	Outlet orifice connection	Weight kg	Kv/Cv
		mm	Inch				
1	DMF-Y-25	∅25	1"	1	G1"	0.8	28.82/33.63
2	DMF-Y-40S	∅40	1 1/2"	2	G1 1/2"	1.2	47.36/55.27
3	DMF-Y-50S	∅50	2"	2	∅60	2.5	62.09/72.46
4	DMF-Y-62S	∅62	2 1/2"	2	∅75	3.0	136.58/159.39
5	DMF-Y-76S	∅76	3"	2	∅89	3.7	165.84/193.54
6	DMF-YA-76S	∅76	3"	2	∅89	2.9	166.2 / 194.0
7	DMF-YB-76S	∅76	3"	2	∅89	2.95	165.84 / 193.54
8	DMF-Y-102S	∅102	4"	2	∅114	5.65	268.29/313.09
9	DMF-Y-102SA	∅102	4"	2	∅102	3.3	242.35 / 282.82
10	DMF-Y-102SE	∅102	4"	2	∅114	5.0	252.1/294.2

10	DMF-A-102SE	∅102	4"	2	∅114	2.0	325.1/384.5
8	DMF-A-102SA	∅102	4"	2	∅102	3.3	345.32 / 385.85
8	DMF-A-102E	∅102	4"	2	∅114	2.92	308.50/313.00
3	DMF-YB-302	∅30	3"	2	∅38	5.02	102.88 / 103.24
9	DMF-YA-302	∅30	3"	2	∅38	5.0	102.5 / 103.0
2	DMF-Y-302	∅30	3"	2	∅38	5.1	102.88 / 103.24
4	DMF-Y-402	∅40	3 1/2"	2	∅50	7.0	132.0 / 133.0

Material Construction

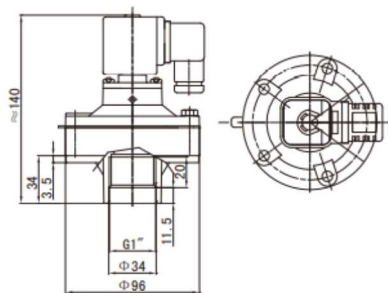
Body	ADC12diecast aluminium
Armature	430FR stainless steel
Diaphragm & Seals	Nitrile ②
Spring	321stainless steel
Screws	302stainless steel

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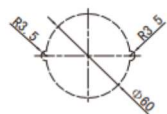




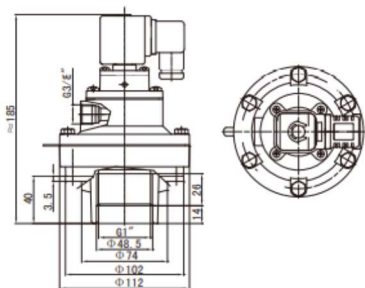
DMF-Y-25	DMF-Y-40S	DMF-Y-50S	DMF-Y-62S	DMF-Y-76S
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Sketch for assembly



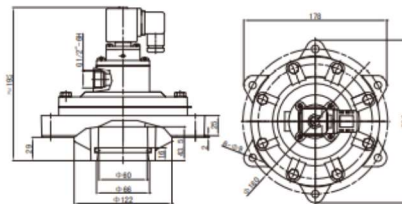
Diameter for blowing tube



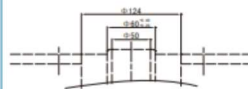
Sketch for assembly



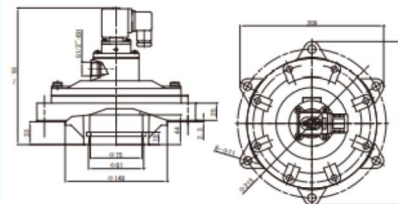
Diameter for blowing tube



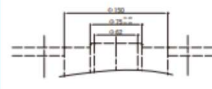
Sketch for assembly



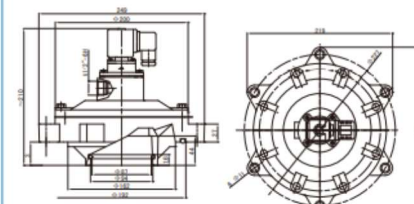
Diameter for blowing tube



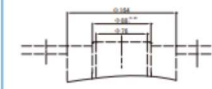
Sketch for assembly



Diameter for blowing tube



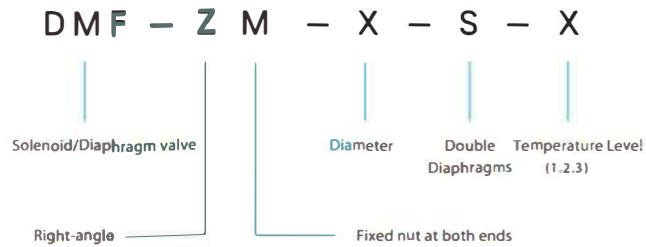
Sketch for assembly



Diameter for blowing tube



Type and Definition



Technical Index

Working Pressure	0.1MPa ~0.8MPa		
Working Media	Clean air		
Voltage	DC24V	AC110V	AC220V
Current	0.8A	0.46A	0.23A
Temperature Level	-25℃~80℃ -13℉~176℉		-25℃~230℃ -13℉~446℉
Relative Humidity of Air	≤85%		
Protection Class	IP65 ①		
Diaphragm Life	One million blows or 3 years		

Type and Specification

No.	Type	Diameter		Number of diaphragm	Size of inlet diaphragm	Outlet orifice connection	Weight kg	Kv/Cv
		mm	Inch					
1	DMF-ZM-20	20	3/4"	1	∅27	∅27	0.9	17.55/20.48
2	DMF-ZM-25	25	1"	1	∅34	∅34	1.3	26.16/30.53
3	DMF-ZM-40S	40	1 1/2"	2	∅48	∅48	2.0	45.82/53.47

Material Construction

Body	ADC12 diecast aluminium
Armature	430FR stainless steel
Diaphragm & Seals	Nitrile ②
Spring	321 stainless steel
Screws	302 stainless steel

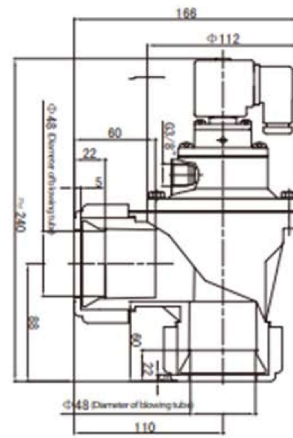
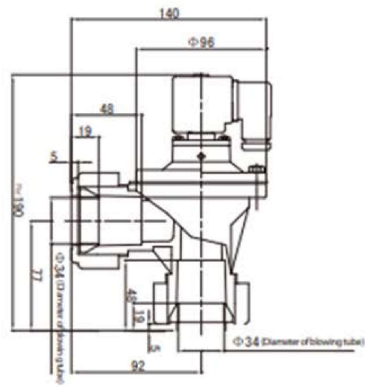
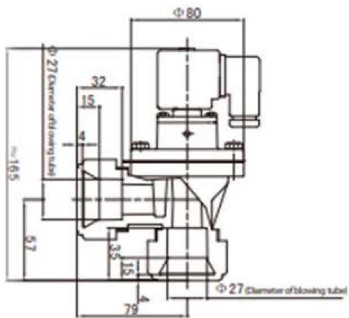
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DMF-ZM-20

DMF-ZM-25

DMF-ZM-40s

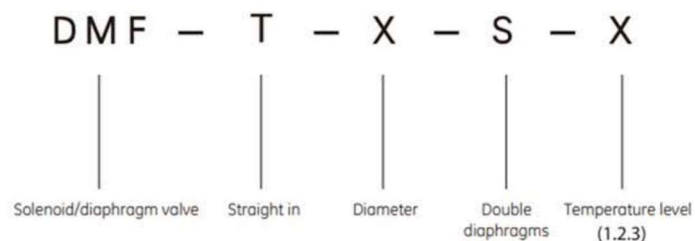


Sealing 100%, perfectly polished



AASF-Shanghai AASF Technology Co.,Ltd AASF PVT LTD.

Type and Definition



Technical Index

Working Pressure	0.1~0.8MPa		
Working Media	Clean air		
Voltage	DC24V	AC110V	AC220V
Current	0.8A	0.46A	0.23A
Temperature Level	1 -25 °C ~80 °C -13 °F ~176 °F		3 -25 °C ~230 °C -13 °F ~446 °F
Relative Humidity of Air	≤85%		
Protection Class	IP65 ①		
Diaphragm Life	One million blows or 3 years		

Type and Specification

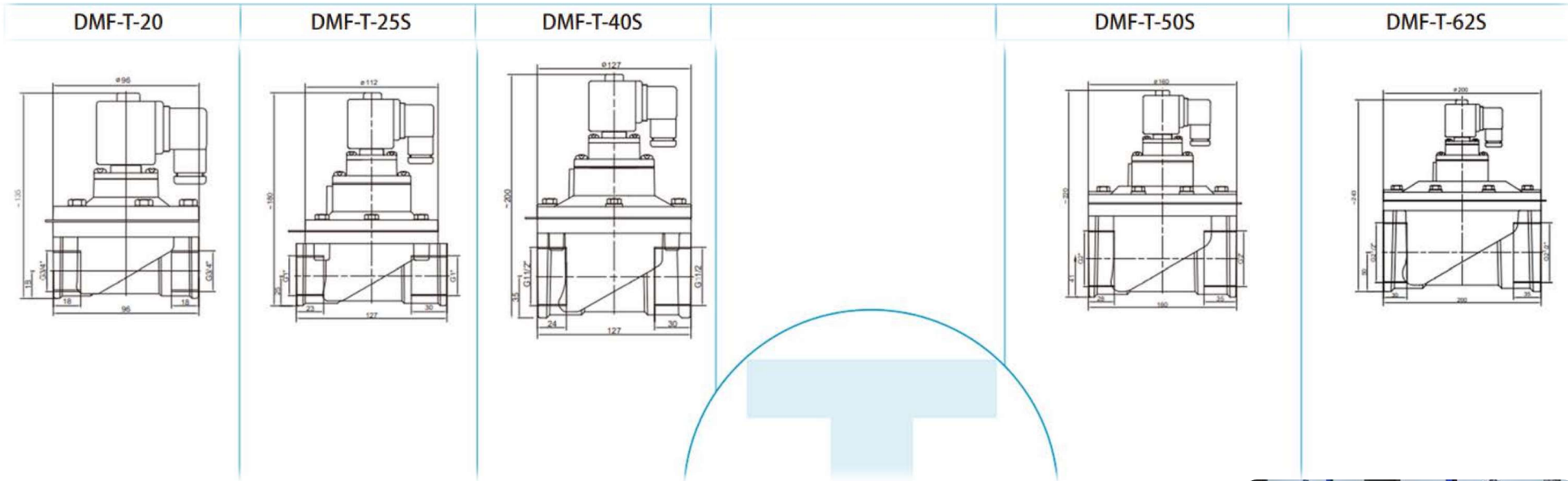
No.	Type	Diameter		Number of diaphragm	Size of inlet orifice	Outlet orifice connection	Weight kg	Kv/Cv
		mm	Inch					
1	DMF-T-20	ø20	3/4"	1	G 3/4"	G 3/4"	0.8	15.78/18.42
2	DMF-T-25S	ø25	1"	2	G1"	G1"	1.4	18.55/21.65
3	DMF-T-40S	ø40	1 1/2"	2	G1 1/2"	G1 1/2"	1.8	45.62/53.24
4	DMF-T-50S	ø50	2"	2	G2"	G2"	2.8	50.77/59.25
5	DMF-T-62S	ø62	2 1/2"	2	G2 1/2"	G2 1/2"	4.1	111.67/130.32

Material Construction

Body	ADC12 diecast aluminium
Armature	430FR stainless steel
Diaphragm & Seals	Nitrile ②
Spring	321 stainless steel
Screws	302 stainless steel

- ① Inspected by Shanghai Institute of Measurement and Testing Technology, it can meet the technical requirement of GB4208-93.
- ② Good quality imported membranes shall be selected and used for all the valves, with each part checked in each manufacturing procedure, and put into the assembly line conforming to all the procedures. Every finished valve shall be taken the electriferous blowing test.







Piston Valve switch off-on left picture - switch off right picture- switch on

Key Features

- Performances match domestic and international standards;
- Perfect circulation performance and less pressure loss, achieving a optimum blowing effect;
- Good switch on/off performance, can decrease unnecessary gas consumption to reduce operation costs;
- Various specs of big-valve diaphragm modules customized for different standards.

SOLENOID VALVES WITH PISTION

A plunger-type solenoid valve is used as the pilot valve with this principle as well, but the main valve function is implemented by a piston.

Pneumatic valves /Remote control enclosure



Pneumatic valve

pneumatic valve
We provide complete specifications and types of pneumatic valves from 3/4" to 16" for Bag filtration system

Remote control enclosure

The remote control enclosure is used for remote control of pneumatic valve. It can be installed and maintained easily, thus especially suitable for occasions with high- or

Pneumatic valve

pneumatic valve

We provide complete specifications and types of pneumatic valves from 3/4" to 16" for Bag filtration system



Remote control enclosure

The remote control enclosure is used for remote control of pneumatic valve. It can be installed and maintained easily, thus especially suitable for occasions with high- or low-temperature environment that requires remote control.



PULSE CONTROLLERS

The core controlling functions are done by a single chip, including setup of press-key parameters, digital display and circulation intervals, impulse intervals and impulse width control. Input signals by differential pressures and selects stop/start modes to control dust removing operations.





PRODUCT DETAILS

10路 10dlaits



12路 12dlaits



技术参数

产品名称: 可编程脉冲控制仪 timer controller	输出电压: DC 24V	output voltage
电压等级: AC 220V	input voltage	输出路数: [1-10] *1路 1-10 dlaits
脉冲宽度: [1-9999] *0.01秒 pulse width	输出电流: 1A	current
脉冲间隔: [1-9999] *1秒 Pulse interval	防护等级: IP65	protection level
周期间隔: [1-9999] *10秒	使用环境: -25℃ ----- +45℃	working T.

Notice (Be careful) :

1. (As the circuit board and terminal operating voltage up to 220V, the operator must be kept dry and do not contact the terminal and the line, otherwise, may lead to electric shock accident) ;
2. As the "function" button is the plastic micro button, the operation should be vertical light press, avoid to press hardly or use too much power, otherwise, it is easy to damage the button)
3. (Control instrument should not have corrosive gas around, try to avoid strong vibration, strong magnetic, high temperature and high temperature)
4. In order to ensure normal production and safety equipment, control way, pulse valve shall be adjusted to the professional and technical personnel.

DMK-3CS SERIES

PULSE CONTROLLERS

The core controlling functions are done by a single chip, including setup of press-key parameters, digital display and circulation intervals, impulse intervals and impulse width control. Input signals by differential pressures and selects stop/start modes to control dust removing operations.



Type and Definition

DMK – 3CSA – NRC



Technical Index

Rated Input Voltage	AC220V (1±10%) 50HZ-60HZ
Rated Output Voltage	DC24V
Rated Output Current	1A
Power Consumption	≤5W (Pulse duration and interval are within the specified range)
Adjustable Range of Output Pulse duration	0.01~0.99 Sec
Adjustable Range of Output Pulse Interval	1~99Sec
Adjustable Bagrange of cycle interval	0~99 min
Input Signal of Pressure Differential	Switch contact
Working Environment	-25℃~+55℃ The relative humidity should be not more than 95% No serious corrosive gas or conductive dust No violent shock or impact

Type and Specification

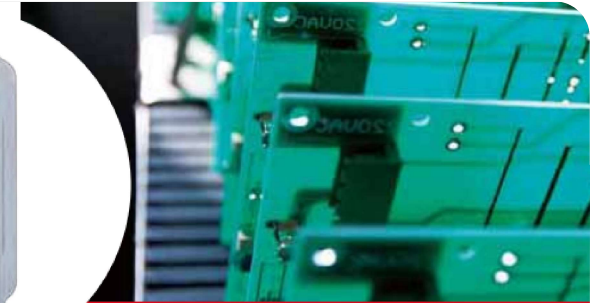
Model and Specifications	Output Digit	Number to Control Electromagnetic Pulse Valve	Size(LxWxH) A=230x185x90mm B=370x240x102mm
DMK-3CSA-5	5	1-5 optional	A
DMK-3C-SA-10	10	1-10 optional	A
DMK-3CSA-15	15	11-15 optional	A
DMK-3CSA-20	20	11-20 optional	A
DMK-3CSA-25	25	11-25 optional	A
DMK-3CSA-30	30	11-30 optional	A
DMK-3CSA-35	35	31-35 optional	B
DMK-3CSA-40	40	31-40 optional	B
DMK-3CSA-50	50	41-50 optional	B
DMK-3CSA-60	60	51-60 optional	B
DMK-3CSA-80	80	71-80 optional	B
DMK-3CSA-100	100	91-100 optional	B



DMK-4CS Series PULSE CONTROLLERS

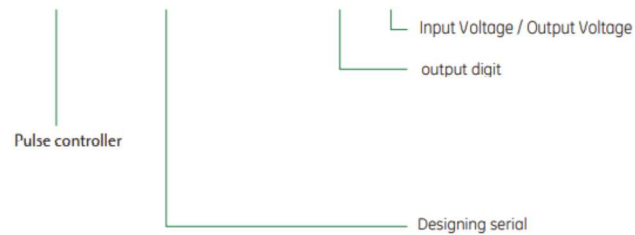
1/2 of the dual time-base circuit CH7556 is used as adjustable impulse signal with a cycle of 1-30 seconds for a stable multivibrator; while the other 1/2 is used as an adjustable impulse signal with a cycle of 0.03~0.2 seconds for monostable circuits, and it can convey the impulse width signal to the exclusive circuit for operation of a series of logic functions

functions including counting, decoding and impulse allocation. Afterwards, all output terminals of the exclusive circuit will output set impulse width signal to the electronic switch (VMOS circuit) to control the open/close of electromagnetic impulse valves and blowing of compressed air. Meanwhile, the digital tube will display the blowing sequences.



Type and Definition

DMK - 4 C S A - N R C



Type and Specification

Model and Specifications	Output Digit	Number to Control	Size(LxWxH) A=230x185x90mm B=370x240x102mm
DMK-4CSA-6	6	1-6 optional	A
DMK-4CSA-10	10	1-10 optional	A
DMK-4CSA-14	14	9-14 optional	A
DMK-4CSA-16	16	9-16 optional	A
DMK-4CSA-20	20	9-29-20 optional	A
DMK-4CSA-25	25	9-25 optional	A
DMK-4CSA-28	28	9-28 optional	A
DMK-4CSA-35	35	25-35 optional	B
DMK-4CSA-40	40	25-40 optional	B
DMK-4CSA-50	50	30-50 optional	B
DMK-4CSA-60	60	40-60 optional	B
DMK-4CSA-72	72	50-72 optional	B
DMK-4CSA-100	100	80-100 optional	B

Technical Index

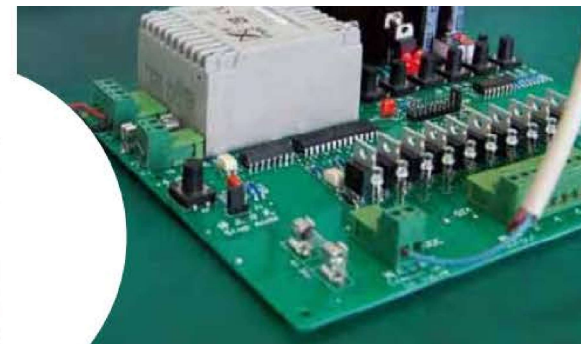
Rated Input Voltage	AC220V (1±10%) 50HZ-60HZ
Rated Output Voltage	DC24V
Rated Output Current	1A
Power Consumption	≤ 8W (Pulse duration and interval are within the specified range)
Adjustable Range of Output Pulse duration	0.01~0.99 Sec
Adjustable Range of Output Pulse Interval	1~99 Sec
Adjustable Bagrange of cycle interval	0~99 min
Input Signal of Pressure Differential	Switch contact
Working Environment	-25°C~+55°C The relative humidity should be not more than 85% No serious corrosive gas or conductive dust No violent shock or impact



DMK-5CS Series

PULSE CONTROLLER

The core controlling functions are done by a single chip, including setup of press-key parameters, digital display and circulation intervals, impulse intervals and impulse width control. Input signals by differential pressures and selects stop/start modes to control dust removing operations.



Type and Definition

DMK - 5 C S A - N R C



R C	Input Voltage	Output Voltage
	220VAC	24VDC
HH	220VAC	220VAC
HM	220VAC	110VAC
MM	110VAC	110VAC
ML	110VAC	24VDC
LL	24VDC	24VDC

Type and Specification

Model and Specifications	Number to Control	Size(LxWxH) A=230x185x90mm B=370x240x102mm
DMK-5CSA-4	1-4 optional	A
DMK-5CSA-5	1-5 optional	A
DMK-5CSA-6	1-6 optional	A
DMK-5CSA-8	1-8 optional	A
DMK-5CSA-10	1-10 optional	A
DMK-5CSA-12	1-12 optional	A
DMK-5CSA-14	11-14 optional	A
DMK-5CSA-15	11-15 optional	A
DMK-5CSA-16	11-16 optional	A
DMK-5CSA-18	11-18 optional	A
DMK-5CSA-20	11-20 optional	A
DMK-5CSA-25	11-25 optional	A
DMK-5CSA-30	11-30 optional	A
DMK-5CSA-35	31-35 optional	B
DMK-5CSA-40	31-40 optional	B
DMK-5CSA-50	41-50 optional	B
DMK-5CSA-60	51-60 optional	B
DMK-5CSA-70	61-70 optional	B
DMK-5CSA-80	71-80 optional	B
DMK-5CSA-90	81-90 optional	B
DMK-5CSA-100	91-100 optional	B
DMK-5CSA-100	91-100 optional	B
DMK-5CSA-100	91-100 optional	B

Technical Index

Rated Input Voltage	AC220V (1±10%) 50HZ-60HZ
Rated Output Voltage	DC24V
Rated Output Current	1A
Power Consumption	< 5W (Pulse duration and interval are within the specified range)
Adjustable Range of Output Pulse duration	0.01~0.99 Sec
Adjustable Range of Output Pulse Interval	1~99 Sec
Adjustable Bagrang of cycle internal	0~99 min
Input Signal of Pressure Differential	Switch contact
Working Environment	-25℃~+55℃ The relative humidity should be not more than 85% No serious corrosive gas or conductive dust No violent shock or impact

DMK-6CS Series

PULSE CONTROLLERS

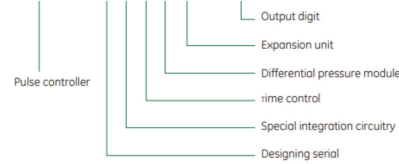
Functions of adjustable impulse width within large scale, impulse intervals, circulation intervals, integration timing and dust removing control via differential pressures. Set equipment switch-on blowing times, equipment switch-off blowing times, equipment switch-off blowing time delay control, multifunctional alarming inquiry indication and separate display window for alarming signals, multi-press key setting, operation convenient supplementary controls (including keyboard lock, manual/automatic mode and adjustable output digit). Product has plastic or aluminum shell, shock absorption fittings and IP65 protectors.

- Different modes including on-line, off-line, timed or pressure-differential for option.
- Shutdown after N times of blowing (or delay) following startup and stop.
- The shielding, replacement and stand-by services for the output point.
- With short circuit, open circuit, limiting and pressure-differential alarm control.
- Records about fault query as well as highest and lowest pressure differences.



Type and Definition

DMK - 6 C S(D/E) - X X



Total output bits = the number of offline valves + the number of electro-magnetic pulse valves = the bits of main frame (28) + the bits of 1st expansion unit + the bits of 2nd expansion unit + ...

Main frame	Output bits	Range of regulation
DMK-6CS-6	6	1~6
DMK-6CS-12	12	1~12
DMK-6CS-20	20	1~20
DMK-6CS-28	28	1~28

Main frame	Output bits	Range of regulation
DMK-6CSD-6	6	1~6
DMK-6CSD-12	12	1~12
DMK-6CSD-20	20	1~20
DMK-6CSD-28	28	1~28

Expansion unit	Output bits	Range of regulation
DMK-6CSE-10	10	1~10
DMK-6CSE-30	30	1~30
DMK-6CSE-60	60	1~60

DMK-6CSE-90	90	1~90
DMK-6CSE-30	30	1~30
DMK-6CSE-10	10	1~10

Index

Operating voltage	220VAC (1±10%)
Operating frequency	50Hz- 60Hz
Output voltage	24 VDC
Output current	1A
Output bits	250(offline valve + electro-magnetic pulse valve)
Alarm output	-1A, 24 VDC
Measuring range of differential pressure	0~6000 Pa
Accuracy	±1.0% + 1d
Gas hose port	Outer diameter/Inner diameter: 6/4mm plastic gas hose port
Gas hose port	< 10W
Environmental conditions	-25 °C~+55°C、relative humidity < 85% There are no serious etchant gases, conductive dust, or violent vibration or impact.
Weight	2.50 kg
Volume	255 mm X 185 mm X 80 mm (L X W X H)



Differential Pressure Explosive-proof Pulse timer Controller



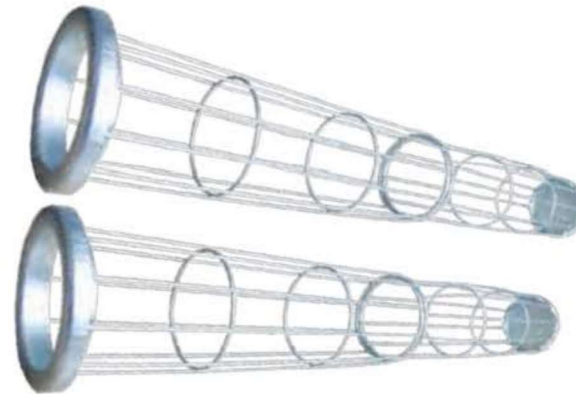
The explosion-proof pulse controller is developed by the world's 9th generation of micro-control technology, it is specially designed for the control of large-scale air box pulse dust jet collectors, the function fully replaces the PLC, it adds a variety of users who can adjust time parameters flexibly that can cover all working parameters of pulse bag dust collector. There are three control modes: manual fast forward, automatic timing cycle, and differential pressure start-stop control, it can output 24 control signals to control 24 cylinders or solenoid valves of the dust collector. Each air chamber controls a poppet valve + multiple pulse valves, and the working time is continuously adjustable. Users can customize according to the number of output channels required. The maximum output can be expanded to 240 channels, and the output can be controlled in any combination.

Technical index

Input characteristics				
Input voltage	Standard AC~220v	Frequency 50-60HZ	Range AC180-260V	Standard setting
	Standard AC~380v	Frequency 50-60HZ	Range AC350-420V	Special configuration
	International general type Ac85-260v	Frequency 47-65HZ	Range AC85-265V	Special configuration
Input Current	0.2—0.5A			
Output characteristics				
Output method	High-power MOS tube output	High input resistance, low noise, good thermal stability, strong anti-interference ability, low power consumption		Standard user-cust omized voltage
	Standard DC~24V/2A	Each load control capacity is about 2 solenoid valves		
	Or passive joint Joint capacity 5A	Customers need to equip their own power supplies of other specifications, input from the COM terminal of the controller, and the control ability is based on the external power supply, but the output current of each channel cannot be greater than 5A		Special

BAG CAGES

Every piece of frame that we produced is lightweight, smooth and straight. Since the frame is the ribs of a filter bag, it must be lightweight, easy for installation and maintenance, smooth and straight so that the filter bag will not be damaged.

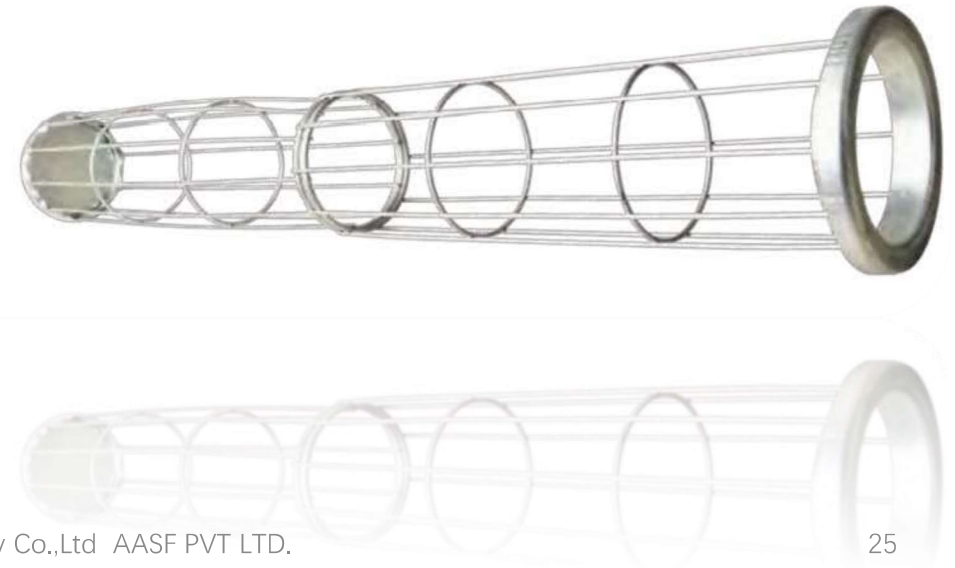


1. Material of frames:

stainless steel or carbon steel.

Frame surface treatment:

galvanized, organo-silicon coated, acid cleaning and passivation for stainless steel

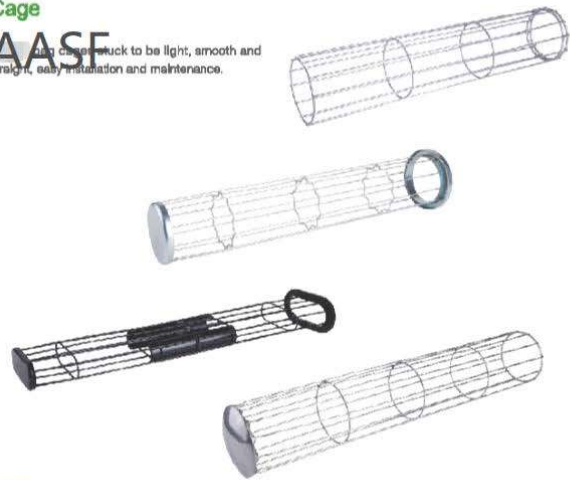


Frame surface treatment:
galvanized, organo-silicon coated, acid cleaning and passivation for stainless steel

Cage

AASF

Our cages must be light, smooth and straight, easy installation and maintenance.



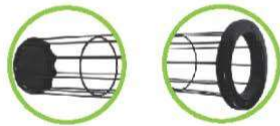
1

Cage material:

Stainless steel, carbon steel.

Cage surface treatment:

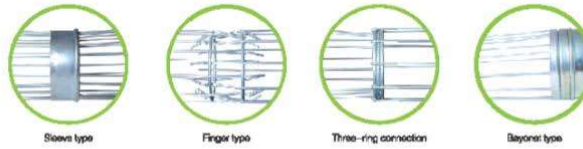
Zinc coating, organic silicon coating, plating, etc.



2

Connection method:

Due to limitations of length, each cage needs to be divided into two or three sections for easy installation. Thus, we mainly provide the following four cage connection methods.



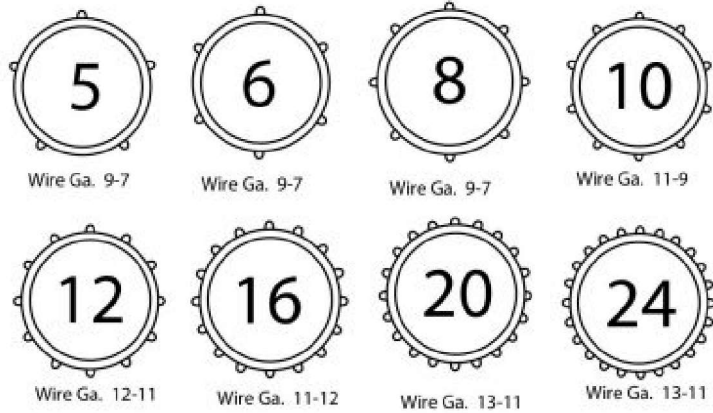
3

When customizing cages, provide as much of the following information as possible so that we can design the desired cages.

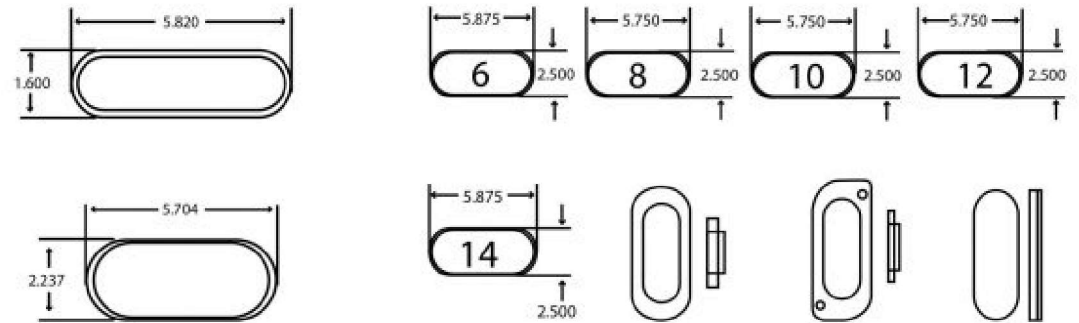
- Material, length and diameter
- Single-section or multi-section (please choose the connection type)
- Wire diameter and number of the vertical rods
- Surface treatment requirements (carbon steel surface may be coated with zinc or organic silicon)
- Tubeshoot diameter
- Packing requirements
- Special circumstances



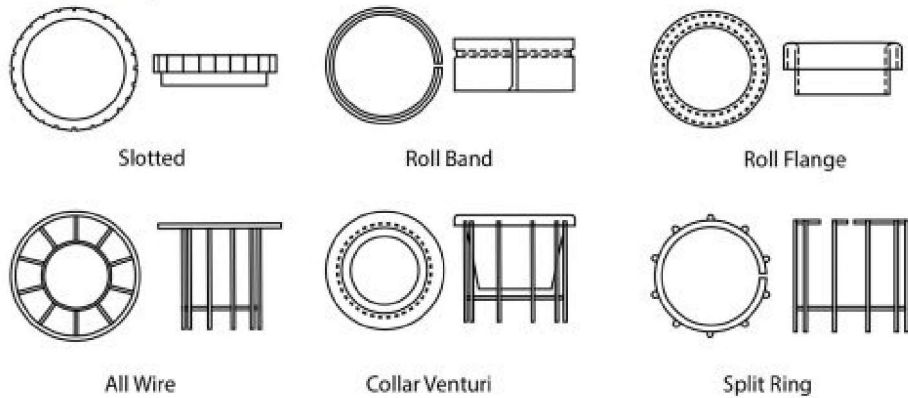
Number Of Vertical Wires



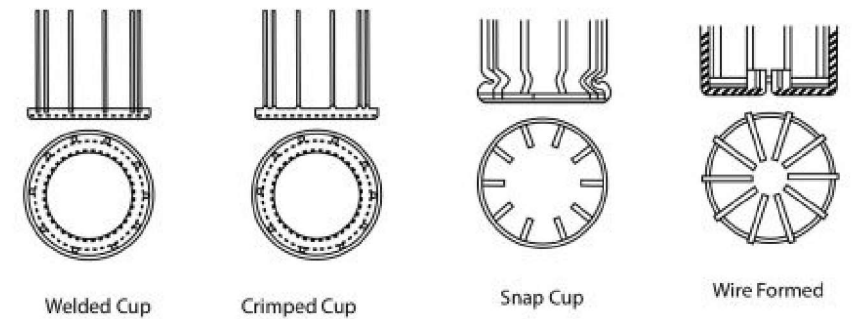
Standard Oval Construction Number of Vertical Wires on Standard Oval



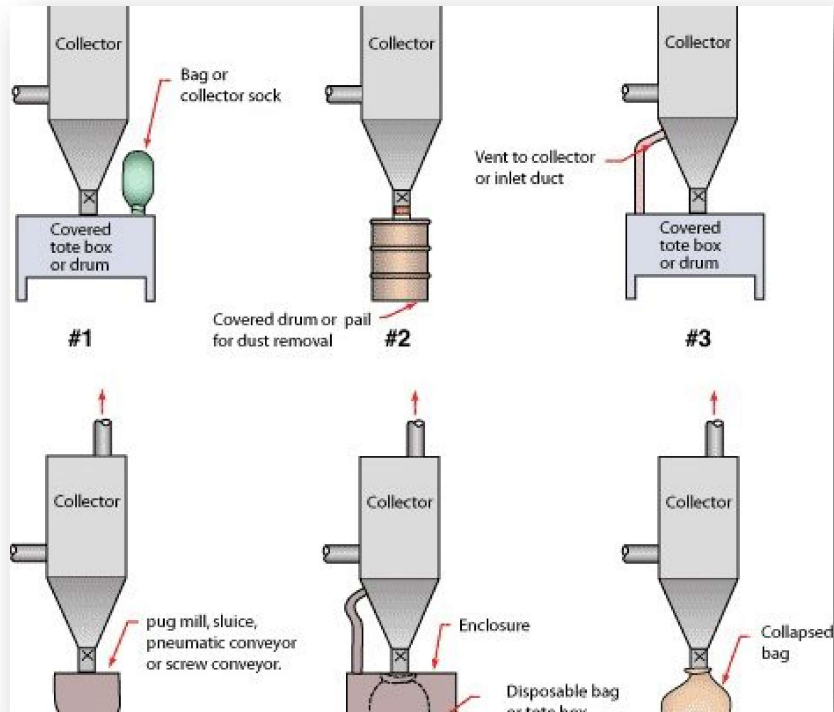
Cage Tops



Cage Bottoms



Filter Cage constructions typically consist of 10, 12 or 20 vertical wires. The horizontal ring spacing on the cage can be 4", 6" or 8". If plenum height restrictions are a problem, two piece cages are available in popular "twist-lock" or "fingers" styles. For areas where moisture or acid corrosion present we can provide a range of materials, often galvanized steel or stainless steel. Top load baghouse cages are available with a T-flange, ring top or several styles of rolled flange tops. Cage diameters range from 4" to 6 1/8". Wire thickness ranges are; 9 gauge, 10 gauge and 11 gauge. Cages for bottom load baghouses are constructed with a split collar or split ring top. Cage diameters range from 4" to 6 1/8". Wire thickness ranges are 9 gauge, 10 gauge and 11 gauge. For more efficient cleaning, Venturi are available for all diameter cages. Venturi come in 3" to 6" lengths. Venturi are made in a variety of materials including; aluminum, carbon steel, galvanized and stainless steel. Our dust collector cages can be made to fit existing collectors from any baghouse manufactures such as , Mikropul, Wheelabrator, Masterjaya, Filtercorp, etc. We can also manufacture uncommon and specialized cage designs as required.



The Most Common Dust Collector Cage Styles

- **Rolled flange** (or Turned Down Flange) and venturi for top load units (Back Row)
- **Split collar** (or Rolled Band) for bottom load unit (Front Row)

Materials/Finishes

- Carbon Steel/Mild Steel
- Galvanized Steel
- 304 Stainless Steel
- 316 Stainless Steel
- Epoxy Coated (High Temp <325°)
- Inconel 600 or 601

Vertical Wires and Wire Gauges

- 10, 12, and 20 vertical wires most common
 - 5, 6, 8, 16 and 24 also available
- 10, 11, and 12 gauge wire most common
 - 7, 9, and 13 also available

Sizes

- Common diameters: 4" – 6-1/8" (fits most baghouse OEMs)
- Common lengths: 6' – 12' (shorter/longer lengths also available)

Cage Shape

- Round (most common)
- Oval
- Envelope

Cage Top Styles

- Rolled Flange (Turned Down Flange) – Most Common Top Load Style
- Split Collar (Rolled Band) – Most Common Bottom Load Style
- Slotted
- All Wire
- Split Ring

Cage Bottom Styles

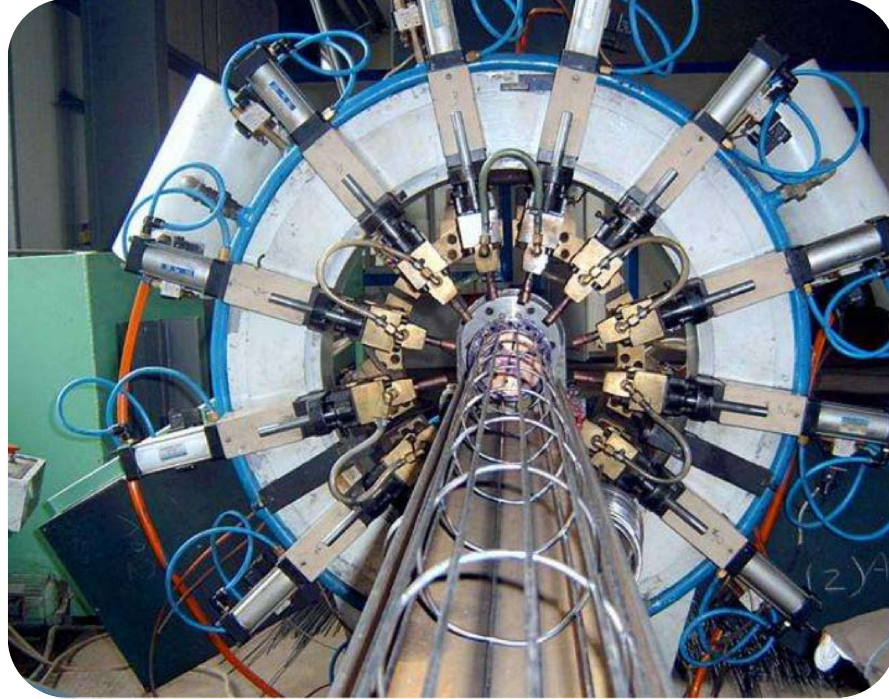
- Welded – Most Common
- Crimped
- Snap
- Wire Formed

Additional Options

- Venturi
 - Aluminum, carbon steel, galvanized or stainless steel
 - Attached (riveted) or drop-in/removable designs
- 3" – 6" lengths
- Two-piece option
 - "Twist-lok" style (good for baghouses with low clearance)
 - "Fingers" style
 - Slide Lock

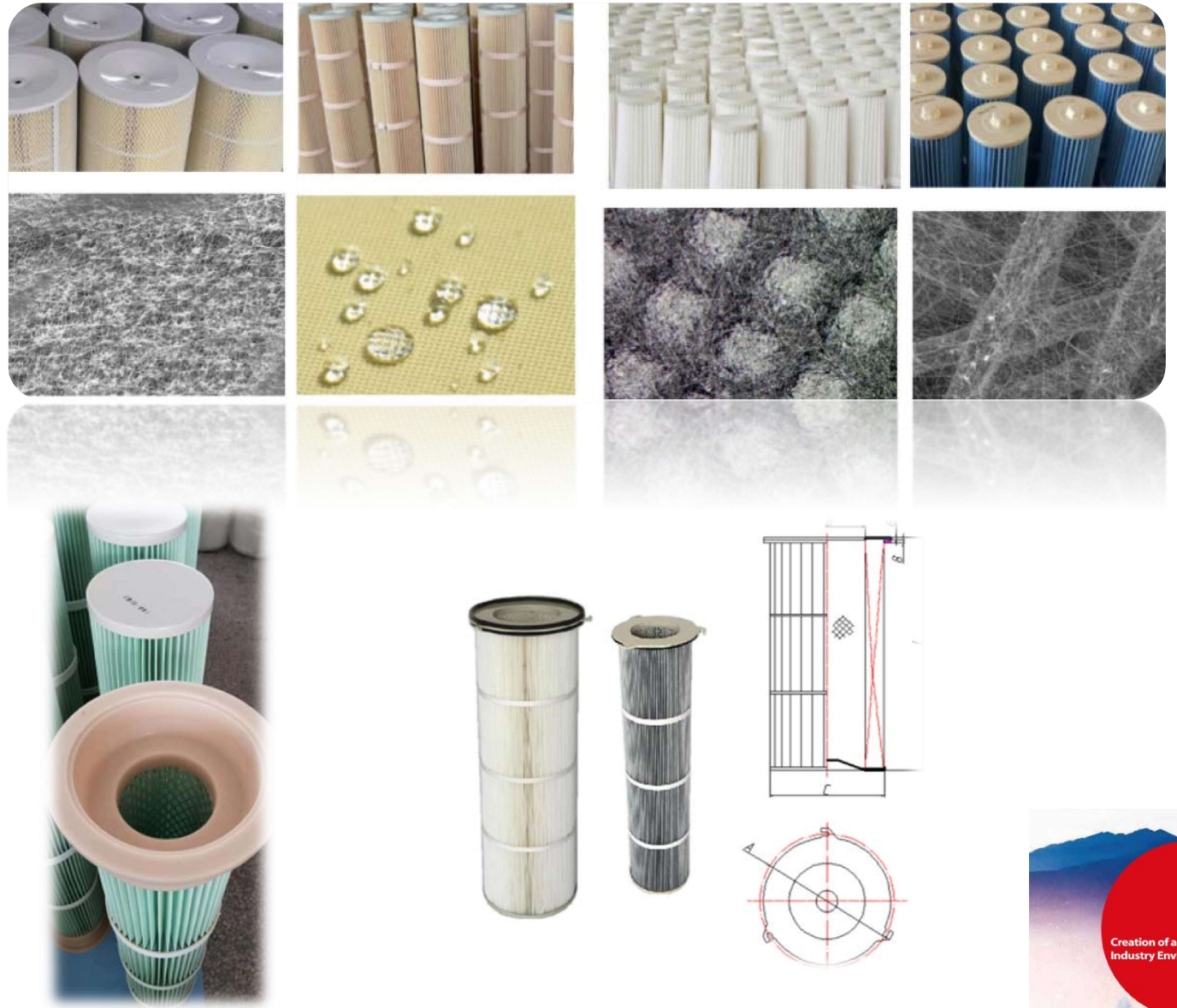
Learn More about Baghouse Cages on Our Blog





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Filter Cartridge



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FILTER BAGS

The filter bags are the key elements which determine the dust collecting efficiency and working temperature. Renewal of bags creates major cost in maintaining bag-house.



Four Factors Affecting the Lifetime of Filter Bags

Method of Proper Application Installation of outward filter bag:

- Bag mouth is fixed and sealed reliably to the perforated plate;
- Filter bag is hung vertically under the perforated plate;
- Two adjacent filter bags shall not touch each other;
- Filter bag shall fit the frames, and the frames shall be straight without any burrs;

Installation of inward filter bag:

- Filter bag has cap at upper end and is hung to the cross beam of dust collector via hanging devices, while the upper cap can be fixed to below bag and sealed reliably;
- All fittings (collapse –proof ring) shall be installed properly and none shall have burrs or be damaged.
- In filter bag installation, adjust the installation tension until the specified values, so that the filter bag will not get loose or drop off in the filtration and reverse blowing processes. The tension shall be adjusted once during the first week application and after one month application;

Precautions:

When a filter bag is in use, the area facing the dust may have accumulated dust which causes an increase of differential pressure. In such case, please effectively clean the dust and separate powder, so that the differential pressures in and out of the filter bag are kept within the set ranges.

Once filter bag is found damaged, examine and replace. Keep an eye on the differential pressure of the bag filter, eliminate failure of dust removing, check if dust removing system works well, and timely adjust the dust removing period or bag filter operation rules when process conditions of dust removing system are changed.



A filter bag is the critical element to determine dust cleaning efficiency and working temperature of the bag dust remover, and the costs for a filter bag replacement

the costs for a filter bag replacement temperature of the bag dust remover, and more dust cleaning efficiency and working A filter bag is the critical element to deter-



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86-21-54019615, 19901761915



Filter Bag Specifications



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Application



应用领域 Application



电厂 Power plant
食品加工工业 Food industry
水泥行业 Cement production
铝的生产 Aluminum production
化工和医药 Chemical and pharmaceutical
石灰、石膏和粘土制造工业 Lime, gypsum, and clay industry
金属冶炼 Metal working
钢铁工业 Steel production
垃圾焚烧 Waste incineration

Detailed pictures



Bag specifications are below following up :

1) Polyester needle-felt 550g/m²



Product name	polyester needle felt 550g/m ²	
Product Code	ES-PE550N	
Physical properties		
Fiber	Polyester staple fiber	
Scrim	Polyester filament yarn	
Weight	g/m ²	550
Thickness	mm	1,80±0.1
Width	m	≤2,2
Finish treatment	Singeing, Calendering Heat setting	
Air permeability	l / m ² / s @200pa	180 ~ 300
Tensile strength(N/5cm)	Warp	≥1200
	Weft	≥1300
Tensile elongation(%)	Warp	≤35
	Weft	≤50
Temperature		
Continuos temperature	C°	130
Instant temperature	C°	150
Chemical Properties		
Anti-acid	Middle	
Anti-alkali	Middle	
Anti-abrasion	Excellent	
Hydrolysis stability	Middle	

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2) Polyester needle-felt 550g/m² with PTFE coating

Product name	polyester needle felt 550g/m ² with PTFE coating	
Product Code	ES-PE550NC	
Physical properties		
Fiber	Polyester staple fiber	
Scrim	Polyester filament yarn	
Weight	g/m ²	550
Thickness	mm	2.00±0.1
Width	m	≤2.2
Finish treatment	Singeing, Calendering, Heat setting	
Air permeability	l / m ² / s @200pa	150 ~ 250
Tensile strength(N/5cm)	Warp	≥1200
	Weft	≥1300
Tensile elongation(%)	Warp	≤35
	Weft	≤50
Temperature		
Continuos temperature	C°	130
Instant temperature	C°	150
Chemical Properties		
Anti-acid	Middle	
Anti-alkali	Middle	
Anti-abrasion	Excellent	
Hydrolysis stability	Middle	

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3) Polyester needle-felt 550g/m² with Oil & water repellent

Product name	polyester needle felt 550g/m ² with water and oil repellent	
Product Code	ES-WRPE550N	
Physical properties		
Fiber	Polyester staple fiber	
Scrim	Polyester filament yarn	
Weight	g/m ²	550
Thickness	mm	1,80±0,1
Width	m	≤2,2
Finish treatment	Singeing, Calendering, Heat setting, Water and oil repellent	
Air permeability	l / m ² / s @200pa	180 ~ 300
Tensile strength(N/5cm)	Warp	≥1200
	Weft	≥1300
Tensile elongation(%)	Warp	≤35
	Weft	≤50
Temperature		
Continuos temperature	C°	130
Instant temperature	C°	150
Chemical Properties		
Anti-acid	Middle	
Anti-alkali	Middle	
Anti-abrasion	Excellent	
Hydrolysis stability	Middle	
AASF Shanghai AASF Technology Co.,Ltd AASF PVT LTD.		





4) Polyester needle-felt 550g/m² with PTFE membrane

Product name	polyester needle felt 550g/m ² with PTFE membrane	
Product Code	ES-PE550M	
Physical properties		
Fiber	Polyester staple fiber	
Scrim	Polyester filament yarn	
Weight	g/m ²	550
Thickness	mm	1,80±0.1
Width	m	≤2,2
Finish treatment	Singeing, Calendering, Heat setting , with PTFE membrane	
Air permeability	l / m ² / s @200pa	30 ~ 80
Tensile strength(N/5cm)	Warp	≥1200
	Weft	≥1300
Tensile elongation(%)	Warp	≤35
	Weft	≤50
Temperature		
Continuos temperature	C°	130
Instant temperature	C°	150
Chemical Properties		
Anti-acid	Middle	
Anti-alkali	Middle	
Anti-abrasion	Excellent	
Hydrolysis stability	Middle	

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5) Nomex needle-felt 550g/m² with PTFE coating

Product name	Aramid/nomex needle felt 550g/m ² with PTFE coating	
Product Code	ES-AMD550NC	
Physical properties		
Fiber	Aramid staple fiber	
Scrim	Aramid staple yarn	
Weight	g/m ²	550
Thickness	mm	2.0
Width	m	≤2,2
Finish treatment	Singeing, Calendering, Heat setting, PTFE coating	
Air permeability	l / m ² / s @200pa	150 ~ 250
Tensile strength	Warp	800
	Weft	900
Tensile elongation	Warp	20
	Weft	30
Temperature		
Continuos temperature	C°	204
Instant temperature	C°	240
Chemical Properties		
Anti-acid	Good	
Anti-alkali	Good	
Anti-abrasion	Excellent	
Hydrolysis stability	Good	

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6) Nomex needle-felt 550g/m² with PTFE membrane

Product name	Aramid/nomex needle felt 550g/m ² with PTFE membrane	
Product Code	ES-AMD550M	
Physical properties		
Fiber	Aramid staple fiber	
Scrim	Aramid staple yarn	
Weight	g/m ²	550
Thickness	mm	2,0
Width	m	≤2,2
Finish treatment	Singeing, Calendering, Heat setting, PTFE membrane	
Air permeability	l / m ² / s @200pa	30 ~ 80
Tensile strength	Warp	800
	Weft	900
Tensile elongation	Warp	20
	Weft	30
Temperature		
Continuos temperature	C°	204
Instant temperature	C°	240
Chemical Properties		
Anti-acid	Good	
Anti-alkali	Good	
Anti-abrasion	Excellent	
Hydrolysis stability	Good	

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7) Fiberglass needle-felt 750g/m² with PTFE membrane

Product Name	Fiberglass woven cloth 800 gsm with PTFE membrane	
Product Code	ES-FB800W-TFM	
Physical properties		
Weave method	Double Twill	
Thickness (mm)	0.80±0.08	
Weight	g/m ²	800±25
Width	m	≤2.20
Loss on Ignition (%)	≥10	
Chemical Finish	PTFE impregnation, PTFE membrane	
Surface Finish:	ePTFE membrane	
	Variations in colour on this product do not affect product performance	
Air Permeability (L/m ² S@200Pa)	30-80	
Density (ROOT/INCH)	Warp	48±2
	Weft	40±2
Tensile Strength (N/25mm)	Warp	≥2200
	Weft	≥2000
Temperature		
Continuous temperature	°C	260
Instant temperature	°C	280

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8) PPS needle-felt 550g/m² with PTFE membrane

Product name	PPS needle felt 550 g/m ² with PTFE membrane	
Product Code	ES-PPS550M	
Physical properties		
Fiber	PPS staple fiber	
Scrim	PPS Yarn	
Weight	g/m ²	550
Thickness	mm	1,8
Width	M	≤2,2
Finish treatment	Singeing, Calendering, Heat setting, PTFE membrane	
Air permeability	l / m ² / s @200pa	30 ~ 80
Tensile strength	Warp	1000
	Weft	1050
Tensile elongation	Warp	23
	Weft	30
Temperature		
Continuos temperature	C°	190
Instant temperature	C°	220
Chemical Properties		
Anti-acid	Excellent	
Anti-alkali	Middle	
Anti-abrasion	Excellent	
Hydrolysis stability	Middle	

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9) PPS needle-felt 550g/m² with PTFE impregnation (PTFE coating is rarely common)



Product name	PPS needle felt 550 g/m ² with PTFE impregnation	
Product Code	ES-PPS550TFI	
Physical properties		
Fiber	PPS staple fiber	
Scrim	PPS Yarn	
Weight	g/m ²	550
Thickness	mm	1,8
Width	M	≤2,2
Finish treatment	Singeing, Calendering, Heat setting, PTFE impregnation	
Air permeability	l / m ² / s @200pa	150 ~ 300
Tensile strength	Warp	1000
	Weft	1050
Tensile elongation	Warp	23
	Weft	30
Temperature		
Continuos temperature	C°	190
Instant temperature	C°	220
Chemical Properties		
Anti-acid	Excellent	
Anti-alkali	Middle	
Anti-abrasion	Excellent	
Hydrolysis stability	Middle	

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User working condition survey

Dear users:
Hello! Firstly I sincerely thank you for choosing variety specifications of bags. In order to ensure the bags you used get a longer service life, higher cost performance, hereby I request your assistance the following working table. Sincere thank you for your cooperation!



Company											
Address											
Contact Information	Name	Job title	Tel.	Mobile	Fax						
Usage	<input type="checkbox"/> Waste Incineration <input type="checkbox"/> Cement <input type="checkbox"/> Steel <input type="checkbox"/> Power Plant <input type="checkbox"/> Coal-fired furnace <input type="checkbox"/> Ferroalloy <input type="checkbox"/> Carbon black <input type="checkbox"/> Others (Slag drying)										
Project Description	<input type="checkbox"/> New projects <input type="checkbox"/> Filter bag replacement Replacement time date month year Filter bag sizes 【 】 Quantity 【 】										
Design of Gas capacity	Fan Air capacity		Nm ³ /h		Air Handling capacity			Nm ³ /h			
Gas Temperature	Normal Temperature		°C		Maximum Temperature		°C		Required Heat resistant Temperature		°C
Gas Component	H ₂ O		O ₂		CO ₂		N ₂		CO		
Smoke Component (%)	HCl max: ppm				SOx max: ppm						
	SO ₂		Al ₂ O ₃		FeO ₃		SO ₃		CaO		Na ₂ O
Dust concentration	at suction				g/Nm ³			at exhaust		g/Nm ³	
Dust Collect Efficiency	%										
Mode of Dust Removing	(Pulse pressure MPa)			<input type="checkbox"/> Reversal <input type="checkbox"/> Pulse-jet			Average Filtration Rate				
Pressure loss	Pa				Total filtration area			m ²			
Supporting cage	Cage Material: <input type="checkbox"/> Carbon Steel (<input type="checkbox"/> Galvanization; <input type="checkbox"/> Spray; <input type="checkbox"/> High temperature silicone) ; <input type="checkbox"/> Stainless steel										
	Size: Outer diameter____;Length____;Vertical wire No.____										

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Special spare parts



Connectors

A wall connector consists of an aluminum alloy cast part, stainless punched part and rubber part and is for the connection of inner and outer pipe of airtight containers such as the connection between the blowing tube of pulse jet bag-house and rectangular pulse valve (batten wall mounted) and between submerged electromagnetic pulse valve and outlet pipe (head tank mounted). It can be reliably fixed and sealed without welding and is convenient for installation and maintenance.

A wall connector can keep the gas in the pipe flow freely and effectively seal the container connected to the pipe. But it should not be used to support the parts like the connected pipe and container. The user should take reliable actions to support them.



Wall Connectors

Header Connectors



Air-source Connectors



Bag Thimbles

Die cast from aluminum alloy. It is used in improving pulse jet baghouse and making bag installation and renewal easy.



Venturis

Die cast from aluminum alloy, it is used in pulse jet baghouse while leading the blow air source to clean the bag.



Blow Tubes

Made of steel tube, it can distribute blow air source into each filter bag in one line.



Bag Caps

Made of steel sheet (common carbon steel, stainless steel) punching. It is used to seal the internal filtration.



Clamps

Made of steel coil (common carbon steel, stainless steel) by punching, the clamp is used to fix and seal the ring bag.



Tube Sheets

It is made from steel sheet and used to fix and seal the filtration component.



Spring Assemblies

Made of hooker, chains, spring. The spring assembly is used to suspend ring bag on beam of collector and keep the bag in certain tension. Different specifications are available for selection.



Other Special spare parts Diaphragm kits



膜片 Diaphragm

Other Special spare parts



脉冲阀零部件 Armature





线圈 Coils



Other Special spare parts ...





Environment · Healthiness · Safety

**Creation of a Healthy
Industry Environment**

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<https://cnaasf.en.alibaba.com>; www.aasf.cn.com

Our products are widely used in dust treatment and smoke/gas cleaning in various industries, such as iron & steel refining, metallurgy, cement, chemical engineering, power generation and urban garbage burning.

By the rapid development of company, we are paying special attention to the progress of environmental protection. We attach great importance to resolving environmental issues caused by industrialization, improving the relationship between industry and environment protection, promote the harmony of society and nature, and create a healthy and safe industrial environment.



AASF-Shanghai AASF Technology Co.,Ltd AASF PVT.LTD.