

Profession Quality  
Integrity Cooperation

 深圳市熙诚环保科技有限公司  
XICHENG SHENZHEN XICHENG ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD.

Manufacturer & Designer & Supplier PP/PPS/PVC Waste gas treatment equipment  
PP/PPS/PVC Compression fittings ODM & OEM Supported



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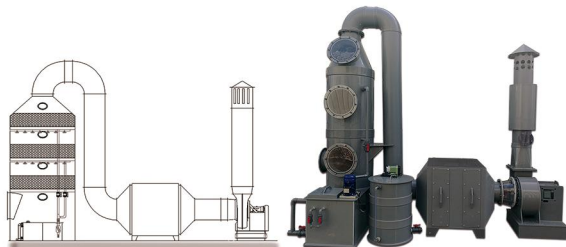
SHENZHEN XICHENG ENVIRONMENTAL PROTECTION TECHNOLOGY CO., LTD.



## Company Profile ■■■■■

Shenzhen Xicheng Environmental Protection Technology Co., Ltd, located in the Shenzhen-Hong Kong - Macao Greater Bay Area, is a comprehensive exhaust gas treatment equipment and accessories processing enterprise integrating equipment research and development, equipment manufacturing, product sales and after-sales service.

Our company has been focusing on the exhaust gas treatment equipment industry for many years, has provided a large number of exhaust gas treatment purification equipment for large and medium-sized enterprises. Our company's main products: exhaust gas scrubber, activated carbon adsorption equipment, ventilation pipe and a series of plastic injection molded parts and processing parts, like ventilation accessories, plastic sheet and tank, etc. With the aims of "Quality First, Mutual Benefit, Cooperation and Win-Win", our company is directed by market demand and has independently developed new varieties to satisfy different industries' needs for the differences and diversification of plastics .



## Exhaust Gas Scrubber Equipment

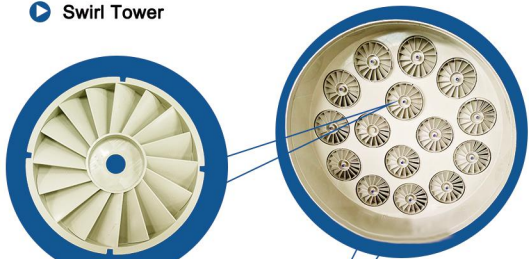
PP exhaust gas scrubber equipment is the front-end processing equipment in waste gas treatment. PPS flame retardant scrubbers are commonly used in industrial waste gas purification and VOCs ( volatile organic compounds ) waste gas treatment in high temperature and flammable environment. It is a processing equipment mainly used in exhaust gas treatment. There are two main types of Exhaust gas scrubber: packed towers and swirling towers. The packed tower has a relatively wide range of uses, and a swirling tower can be used for a large amount of dust. Round or square Exhaust gas scrubber can be customized according to the size of the space. Our company has more than 10 years of history in the manufacture and processing of Exhaust gas scrubber. A complete and mature production specification has been formed in the past time. We also have accumulated a deep production experience. The equipment produced is highly automated and sprayed evenly. The gas-liquid contact area is large, the structure is reasonable, the appearance is beautiful, and the purification efficiency is high. The main body is made of PPS flame retardant sheet which is resistant to acid and alkali corrosion, and is equipped with Exhaust gas scrubber fittings and fillers for sale.



▲ PPS horizontal gas scrubber

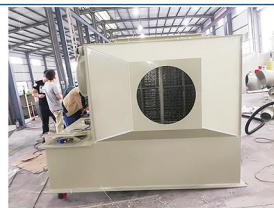


▶ Swirl Tower

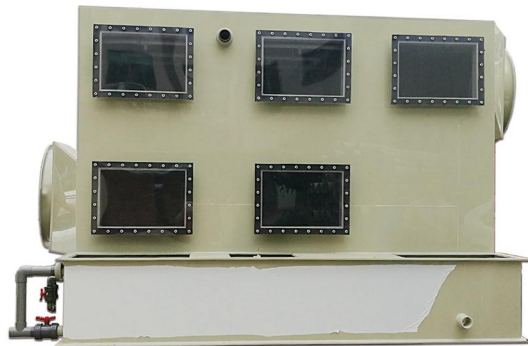


Swirl Impeller

Swirl Components



▶ PP Horizontal Tower

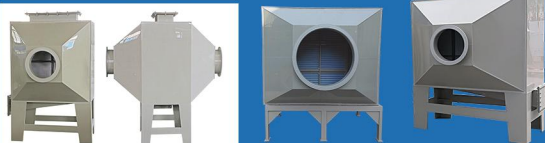






### Structure and Usage

The activated carbon adsorption equipment is mainly used for the treatment of low-volume VOCs (volatile organic compounds) exhaust gas; it can treat benzene, ketones, alcohols, ethers, alkanes and mixed VOCs (volatile organic compounds) waste gas; This product is mainly used in the purification of VOCs (volatile organic compounds) waste gas from smelting, chemical, electronics, painting, rubber and plastics, printing machine desulfurization in the industrial production workshops.



### PP activated carbon adsorption equipment

PP activated carbon adsorption equipment is one of the best equipments in exhaust gas treatment. The main body is made of anti-corrosion and anti-UV PP board. The equipment has high strength, good toughness, compact structure, large filtering area and low resistance. The function of loading and unloading activated carbon is convenient and the use time is long. The inside of the adsorption equipment is injection molded PP porous plate, which has good permeability. The thickness of each layer can be adjusted as required, allowing customers to control costs independently. The overall size and structure of the equipment can also be made according to customer requirements.



## Exhaust gas scrubber accessories

PP observation port



The window of exhaust gas scrubber is also called the observation port. The window flange of the company is short-circuited and easy to use. The flange is reinforced. It has good sealing performance and beautiful appearance. The sizes are  $\phi 400\text{mm}$  and  $\phi 500\text{mm}$ . It is also equipped with transparent glass which is resistant to UV and has good light transmission.



PPS flame retardant window and window transparent glass plate



spray nozzle  
 $\phi 25\text{mm}$



spray pipe  $\phi 40\text{mm}$



The spray pipe is made by our company on the basis of many years of processing and production of the exhaust gas scrubber. It has the advantages of smooth outer wall, low resistance, easy to block, easy to install and clean the screws.



PPS hollow plate



PP hollow plate



pp foot pedal



Floating ball valve



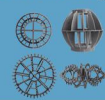
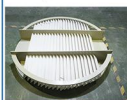
PP porous plate



Nozzle



Gas scrubber fillings



## Exhaust gas scrubber accessories

Exhaust gas scrubber accessories including window flanges ( $\phi 400\text{mm}$ ,  $\phi 500\text{mm}$ ), spray pipe, Grid plate ( $500*500*25\text{mm}$ ), PP porous plate ( $1000*1000*6\text{mm}$ ), exhaust gas scrubber packing ( $\phi 50$  hollow ball,  $\phi 75$  Raschig ring), spiral nozzle ( $\phi 15/\phi 20/\phi 25$  mm), round nozzle ( $\phi 25$  mm), automatic float valve, plate type water collector and other injection molding and processing. The product has the characteristics of corrosion resistance, high toughness, long service life, convenient installation, maintenance, disassembly and low cost. There are many varieties of products can be provided for customers.

Hollow ball  
 $\phi 50$  mm



Raschig ring  
 $\phi 75$  mm



Round nozzle  
 $\phi 25$  mm



Spiral nozzle  
 $\phi 15/\phi 20/\phi 25$  mm





### PP pipe

The company specializes in producing pipeline for 10 years. The produced duct has advantages of high strength, acid and alkali corrosion resistance and easy installation. It is mainly used for gas emission. Specification:  $\varphi 20 \times 2.8 \times 4000$ ,  $\varphi 25 \times 2.8 \times 4000$ ,  $\varphi 32 \times 3.5 \times 4000$ ,  $\varphi 40 \times 4.0 \times 4000$ ,  $\varphi 50 \times 4.0 \times 4000$ ,  $\varphi 63 \times 4.5 \times 4000$ ,  $\varphi 75 \times 5.0 \times 4000$ ,  $\varphi 90 \times 5.0 \times 4000$ ,  $\varphi 110 \times 3.0 \times 3000$ ,  $\varphi 160 \times 3.0 \times 3000$ ,  $\varphi 250 \times 4.0 \times 3000$ ,  $\varphi 315 \times 4.2 \times 3000$ ,  $\varphi 355 \times 5.0 \times 3000$ ,  $\varphi 400 \times 5.2 \times 3000$ ,  $\varphi 450 \times 5.5 \times 3000$  mm. Non-standard round or square ducts can also be customized.





Manual air valve



Electric constant air volume valve



Electric control valve



PP manual air valve



PPS manual air valve



PVC manual air valve





PPS electric valve



Intergrated molding electric valve  
size:  $\phi 160$ ,  $\phi 200$ ,  $\phi 250$ ,  $\phi 315$ mm



PPS check valve

PP check valve

Types of air valve

According to the air valve adjustment method : manual air valve and Electric air valve. According to the air valve lamina, conventional air valve and the closed air valve. Types of Electric air valve are analog air valve, switching air valve, conventional electric air valve.



Conventional air valve lamina

Silicone sealed air valve lamina



Switch actuator

Analog actuator

Anti-corrosion actuator

PVC air valve





### PP/PVC Electric Valve

Our company develops electric actuators with pure copper batteries, stable performance, long service life, convenient maintenance and replacement it is suitable for installation and used in various environments. Specifications:  $\phi 110$ ,  $\phi 160$ ,  $\phi 250$ ,  $\phi 315$  mm. It can also be customized according to different needs of customers.



Intergrated molding



PP



Pneumatic

PP



PVC



PVC

## Customized air valve



## Constant Air Volume Valve

Constant air volume valve: The valve body is made of ABS material. The fixed air volume valve is connected by a flange connection and a collar.  
The valve can adjust the air flow range from 100 m<sup>3</sup>/h - 2300 m<sup>3</sup>/h, and its wind pressure will change from 150-750Pa. The air volume valve can control air volume and save energy.  
Specifications: φ110, φ160, φ200, φ250, φ315 mm. It's commonly used in ventilation systems of workshops, laboratories, and office buildings, etc.



PP Elbow / Tee

**Tee:** Easy to connect; smooth inner and outer walls, beautiful appearance and acid and alkali corrosion resistance. Specifications:  $\phi 110$ ,  $\phi 160$ ,  $\phi 110$ ,  $\phi 200$ ,  $\phi 250$ ,  $\phi 315$  mm. Other specifications can be customized.

**Reducing:**  $\phi 110-\phi 90$ ,  $\phi 160-\phi 110$ ,  $\phi 160-\phi 90$ ,  $\phi 200-\phi 110$ ,  $\phi 200-\phi 160$ ,  $\phi 250-\phi 160$ ,  $\phi 250-\phi 200$ ,  $\phi 315-\phi 200$ ,  $\phi 315-\phi 250$ ,  $\phi 400-\phi 315$ .

**Elbow:** Flame retardant, acid and alkali resistant, corrosion resistant. Specifications:  $\phi 90-90^\circ$ ,  $\phi 110-90^\circ$ ,  $\phi 125-90^\circ$ ,  $\phi 160-90^\circ$ ,  $\phi 200-90^\circ$ ,  $\phi 250-90^\circ$ ,  $\phi 315-90^\circ$ ;  $\phi 110-45^\circ$ ,  $\phi 160-45^\circ$ ,  $\phi 200-45^\circ$ ,  $\phi 250-45^\circ$ ,  $\phi 315-45^\circ$ . Other specifications can be customized.







### Processed Elbow / Tee

It has the characteristics of high strength, light weight, convenient connection, long service life and convenient transportation.

Specifications:  $\phi 355$ ,  $\phi 400$ ,  $\phi 450$ ,  $\phi 500$ ,  $\phi 600$  mm.

Other specifications can be customized.





## PP tank

Our company specializes in deigning and producing PP water tank, PP plating tank, PP medicine storage tank. These products can be customized according to customers' needs.



Soft joint for Fan



Square to circle



silencer



Our company can process PP tank, fan silencer, manual valve, suction hood, medicinal barrel, S-bend, software connection, square and round, etc. Products can also be customized according to customers' drawings or needs.



Fange

suction hood



Pickling bath



Medicinal barrel



PP sheet



PP sheet corrosion-resistant and anti UV



Transparent sheet



PVC sheet



Anti-UV sheet



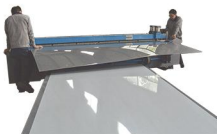
PP sheet: The PP sheet produced in our company is made by extrusion, polishing, cooling and cutting.  
Advantages: Smooth and flat surface; uniform thickness, heat resistance, corrosion resistance, arc resistance, and low shrinkage.



Production line

The company adopts plate extrusion equipment, which is mainly used to produce PP, PPS, PVC and other plates. The thickness of the plate can be 3mm-30mm, the width can be 500mm-2000mm, and the length can be customized. The product has the characteristics of smooth face, corrosion resistance and anti UV, etc.

Application: It can be used in the fields of waste gas treatment, chemical containers, machinery, electronics, electrical appliances, food packaging, decoration and water treatment. Specifications : length 3000mm, width 1500mm, thickness 3mm-30mm. Other specifications can be customized.





# KDV SERIES

## 直立式耐酸碱泵

ACID AND ALKALINE RESISTANT PUMP

### KDV 系列高压可空转直立式耐酸碱泵

KDV SERIES HIGH-PRESSURE IDLE RUNNING RESISTANT VERTICAL ACID AND ALKALI RESISTANT PUMP



KDV-5HP



#### Features:

FRPP, PVdF materials.

Suitable for used inside and outside the tank.

High efficiency, low noise, no leakage, easy maintenance.

#### 型號意義 MODEL EXPLANATION

**KDV - 40 SK 3 6 V F**  
① ② ③ ④ ⑤ ⑥

1. 機型編號 Model	4. 馬力 Power	6. O-ring Ring
KDV SERIES	1-1HP 2-2HP 3-3HP 5-5HP 7.5-7.5HP	V-VITON E-EPT N-NBR
2. 口径 Diameter		7. 泵體材質 Material
32-1-1/4" 40-1-1/2" 50-2"		F-FRPP P-PVDF
3. 比重 Specific Gravity	5. 頻率 Frequency	
SK-1.1 SP-1.4	6-60Hz 6-60Hz	



KDV-3HP

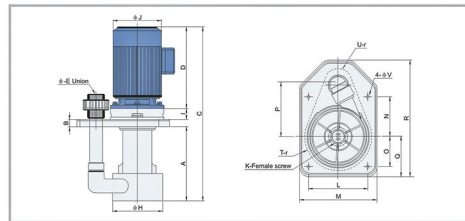


KDV-2HP



KDV-1HP

#### 安裝尺寸圖 INSTALLATION DIMENSIONS



型號 Model	A	B	C	D	E	H	I	J	K	L	M	N	O	P	Q	R	T	U	V
KDV-40SK-15	293	25	648	290	32	187	40	165	50	180	240	90	90	165	120	350	105	40	12
KDV-40SK-25	293	25	667	309	40	187	40	195	50	180	240	90	90	165	120	350	105	40	12
KDV-40SK-35	293	25	667	309	40	187	40	195	50	180	240	90	90	165	120	350	105	40	12
KDV-40SK-45	296	25	706	345	40	187	40	195	50	200	270	100	100	193	135	390	105	40	12
KDV-40SK-55	296	25	706	345	40	187	40	220	50	200	270	100	100	193	135	390	105	40	12
KDV-50SK-7.55	312	35	786	365	50	249	54	280	65	280	342	160	140	231	170	472	135	45	12
KDV-50SK-105	312	35	786	365	50	249	54	280	65	280	342	160	140	231	170	472	135	45	12





# The fan - impeller

The fan impeller developed by our company is made of PP and GF materials. The materials have the characteristics of rigidity, hardness and toughness.

The fan impeller performs well in the tests of aging, vibration and corrosion resistance. It is commonly used in mechanical parts like automobiles and ventilation fans. The cone design in impeller can help reduce the problem of rust and disassembly.



Anti-corrosion fan



# Welding Torch Accessories



Plastic welding torch: LEISTER and WELDY series. The power is 1600W. Our company can provide welding torch repair service to add your worries for the future. Other welding torch accessories : motor, heating core, carbon brush, air outlet, nozzle , temperature control, etc.



Welding torch outlet



Heating core



Welding torch nozzle



Motor

