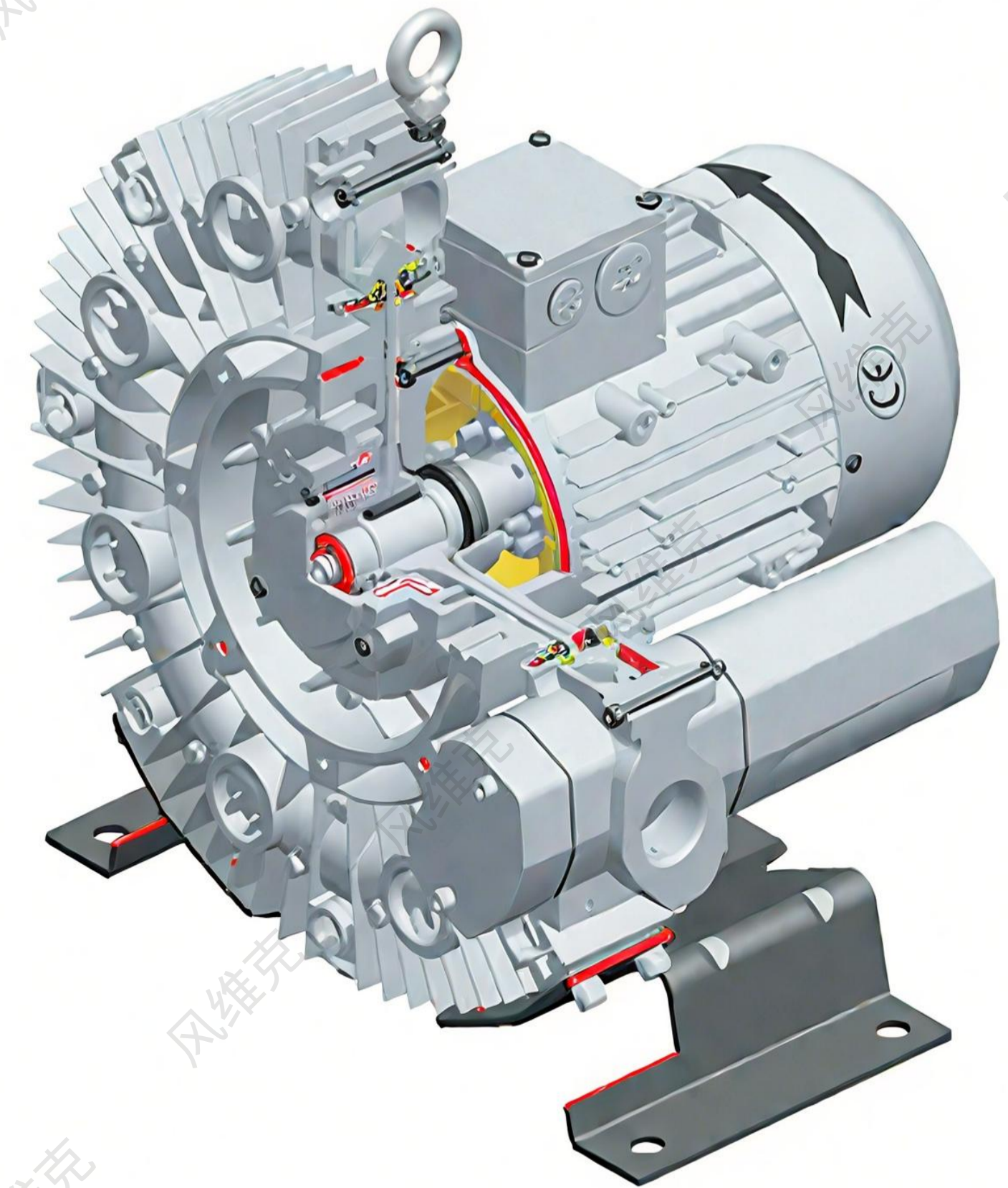
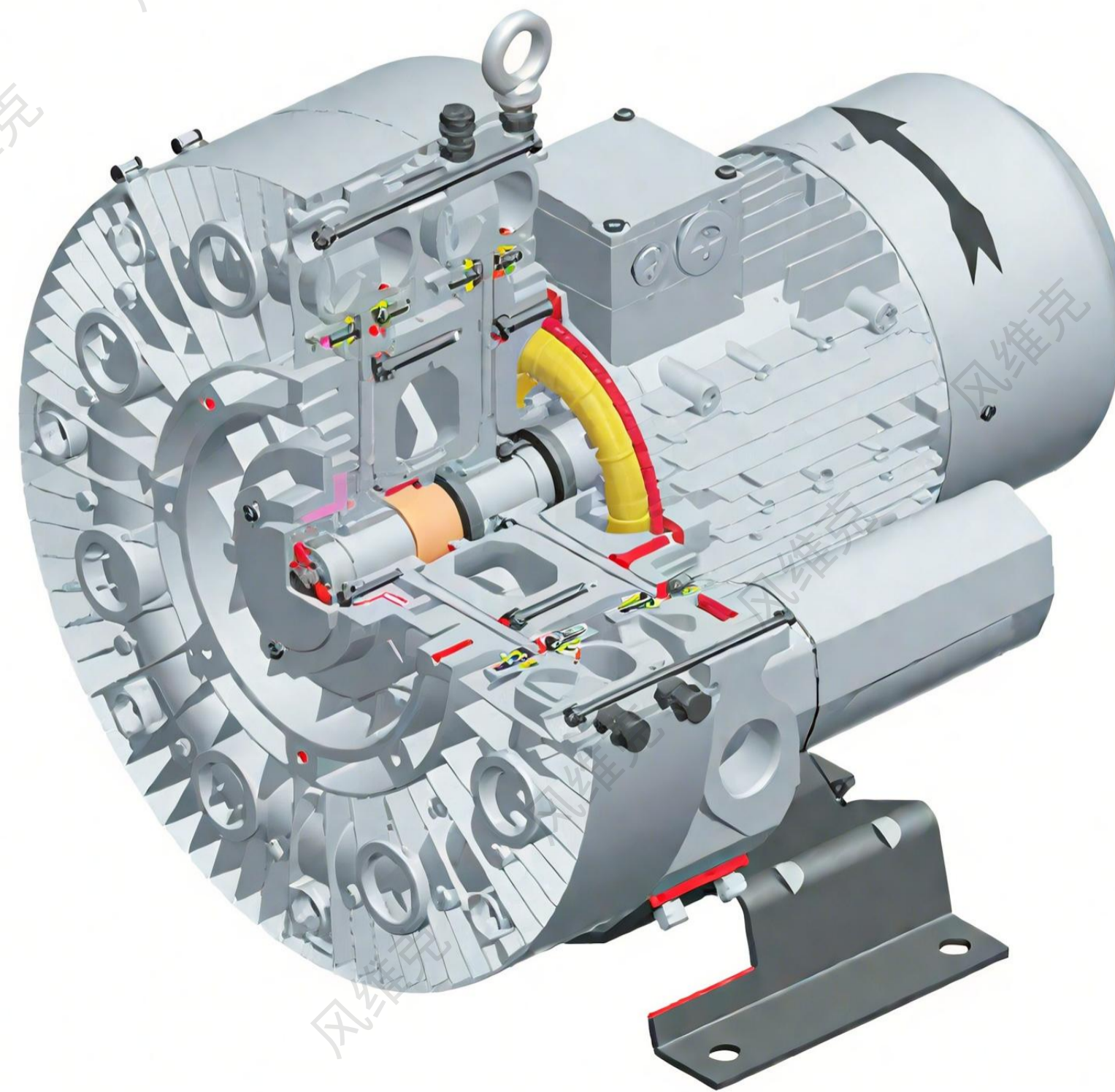


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4FVK系列

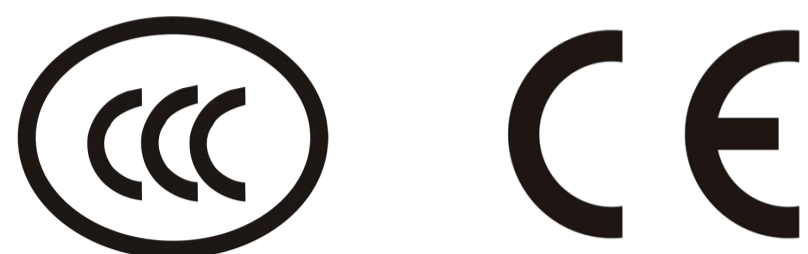
专业气环泵设计、制造商
Professional air pump design、manufacturer



江苏风维克智能设备有限公司

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HIGH PRESSURE FAN|AIR RING VACUUM PUMP|VORTEX PUMP·DEVELOPMENT

张小文 先生 销售工程师

Mr. Zhang Xiaowen



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Address: Fengwei/Fengnake, No. 3 Fengqi Road, Aviation Industry Park, Dagang New Area, Zhenjiang City, Jiangsu Province, China

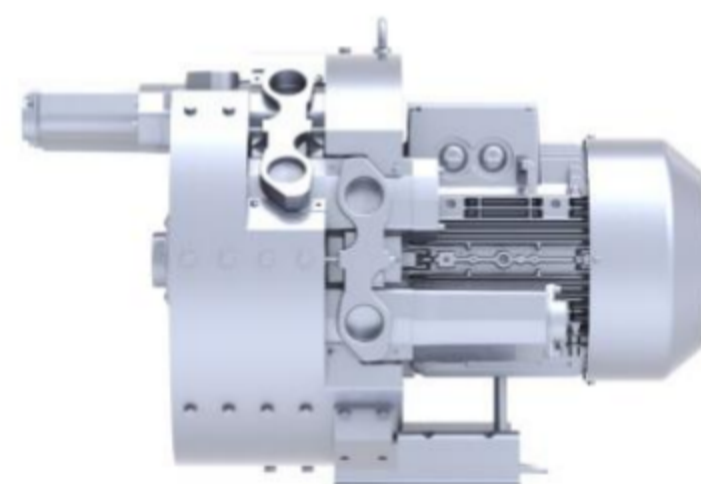
气环泵组成结构图

Vacuum pump chart

- 100%无油，无水压缩，所有的气环真空泵的电机均为IP55的防护等级，F级绝缘
 - 双频（50/60HZ）及宽电压能满足几乎世界上所有地区的电压等级，轴承外置设计，能承受较高的工作温度，提高了运行可靠性和使用寿命
 - 引进变频驱动新概念，比用普通电机驱动的性能最大可以提高到300%，叶轮与泵体间的独特的密封形式减少气体压缩过程中的压力损失
 - 泵壳、叶轮采用压铸模具成型，坚固耐用，散热优良，采用德国、日本进口精密机床加工切割，保证精度与品质，气泵表面经过防护漆处理
 - 产品经过严格机械、电气等各方面性能测试，采用PROE、UG、CAD等电脑辅助设计软件和运动模拟仿真演示
-
- 100% oil free compressed gas, water ring vacuum pump, motor, all are the protection class IP55, class H insulation
 - dual frequency (50/60Hz) and wide voltage can meet almost all regions of the world the voltage level, the external design of the bearing, can bear high working temperature, improves the reliability and service life
 - the introduction of variable frequency drive new concept, than the maximum performance can be driven by a common motor is improved to 300%, impeller and pump body seal forms the unique reduced pressure gas pressure loss in the process of compression
 - pump casing, impeller die-casting molding, sturdiness and durability, excellent heat dissipation, imported Japan Germany, precision machine tool cutting, ensure the accuracy and quality, air pump through the surface of protective paint processing
 - products through the strict mechanical, electrical performance test, simulation demonstrate the use of PROE, UG, CAD and other computer aided design software and motion

4FVK 3AC 气环泵型号及性能参数表 (IP55 50/60 Hz)

4FVK 3AC Gas ring pump model and performance parameter table (IP55 50/60HZ)

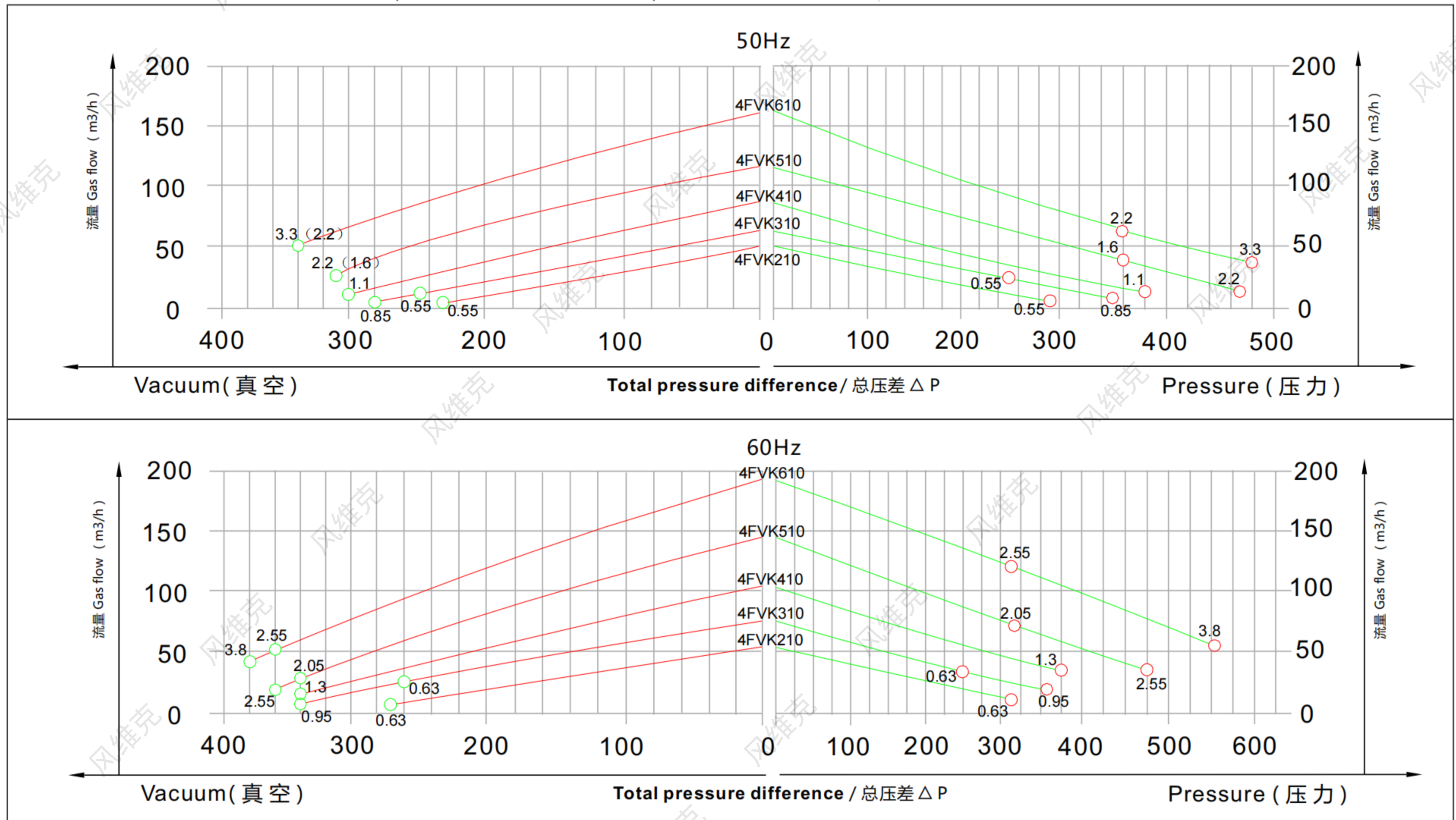


型号 (4FVK-3AC) Model	单级	马达额定参数 Motor rated parameters					最大	额定	额定	噪音 noises dB(A)	重量 Weight Kg
	双级	频率	功率	电压		电流	排吸流量	真空压力	压缩压力		
	single	frequency	power	voltage		current	Max airflow	rated Vacuum	rated compress		
	double	HZ	KW	V		A	m3/h	mbar	mbar		
• 4FVK 210 H16	单	50	0.55	200-240△	345-415Y	2.8△/1.6Y	47	-230	290	58	16
		60	0.63	220-275△	380-480Y	3.0△/1.7Y	57	-270	320	62	
• 4FVK 310 H06	单	50	0.55	200-240△	345-415Y	2.8△/1.6Y	66	-250	250	58	17
		60	0.63	220-275△	380-480Y	3.0△/1.7Y	80	-260	250	62	
• 4FVK 310 H16	单	50	0.85	200-240△	345-415Y	4.0△/2.3Y	66	-280	350	59	18
		60	0.95	220-275△	380-480Y	4.0△/2.3Y	80	-340	360	63	
• 4FVK 410 H16	单	50	1.1	200-240△	345-415Y	5.4△/3.1Y	87	-300	380	59	23
		60	1.3	220-275△	380-480Y	5.4△/3.1Y	105	-340	370	63	
• 4FVK 510 H26	单	50	1.6	200-240△	345-415Y	7.5△/4.3Y	120	-310	360	64	26
		60	2.05	220-275△	380-480Y	7.6△/4.4Y	145	-340	320	68	
• 4FVK 510 H36	单	50	2.2	200-240△	345-415Y	11.4△/6.6Y	120	-310	470	64	29
		60	2.55	220-275△	380-480Y	11.2△/6.5Y	145	-360	480	68	
• 4FVK 610 H36	单	50	2.2	200-240△	345-415Y	11.4△/6.6Y	165	-340	360	65	32
		60	2.55	220-275△	380-480Y	11.2△/6.5Y	195	-360	320	71	
• 4FVK 610 H46	单	50	3.3	200-275△	345-415Y	13△/7.5Y	165	-340	480	65	35
		60	3.8	220-275△	380-480Y	14.2△/8.2Y	195	-380	530	71	

4FVK-3AC 真空压缩选型曲线

Vacuum compression type curve

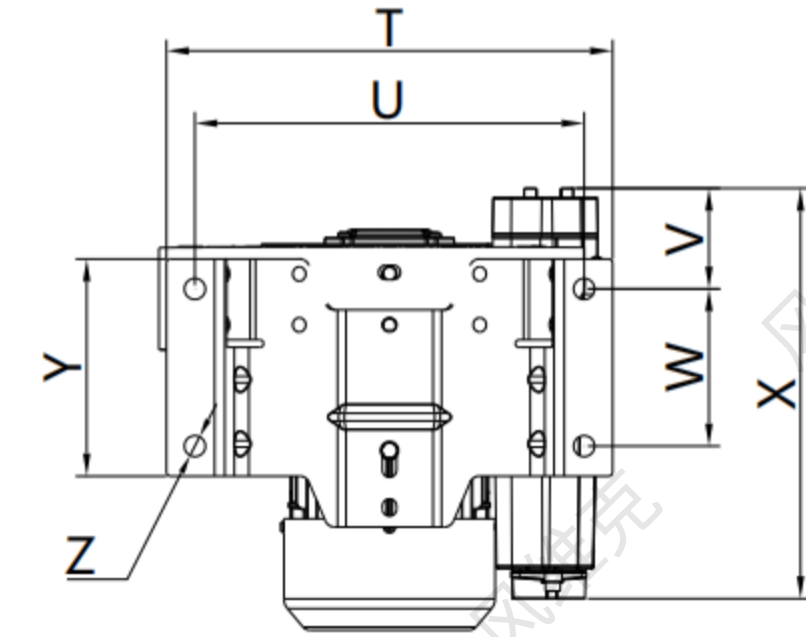
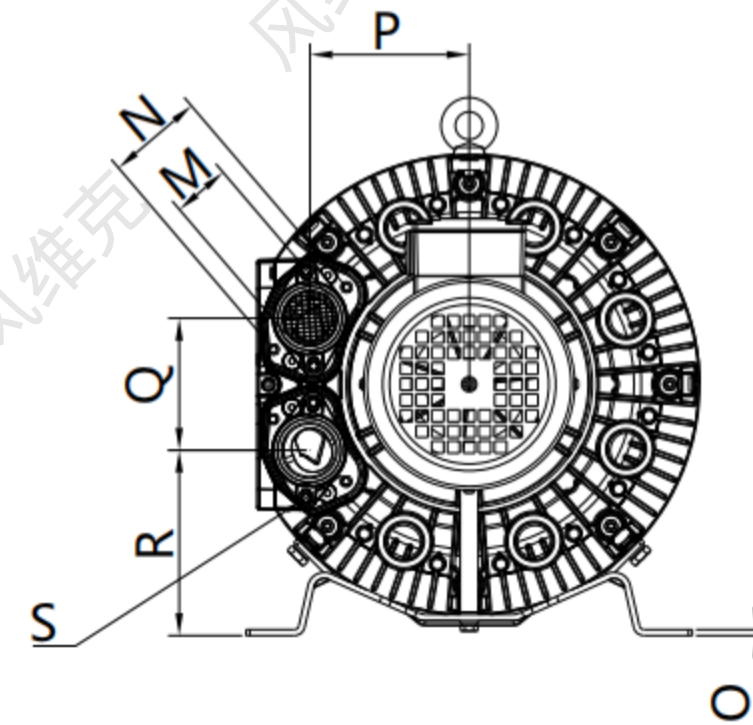
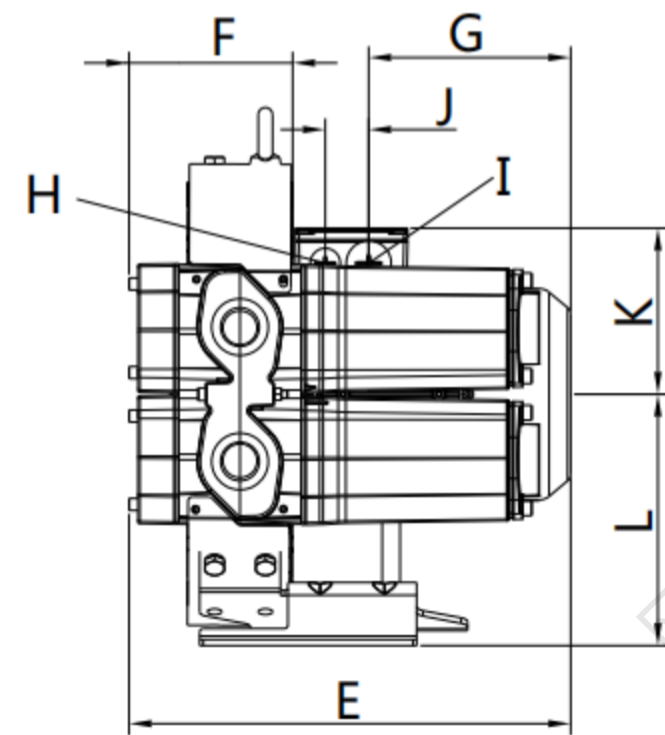
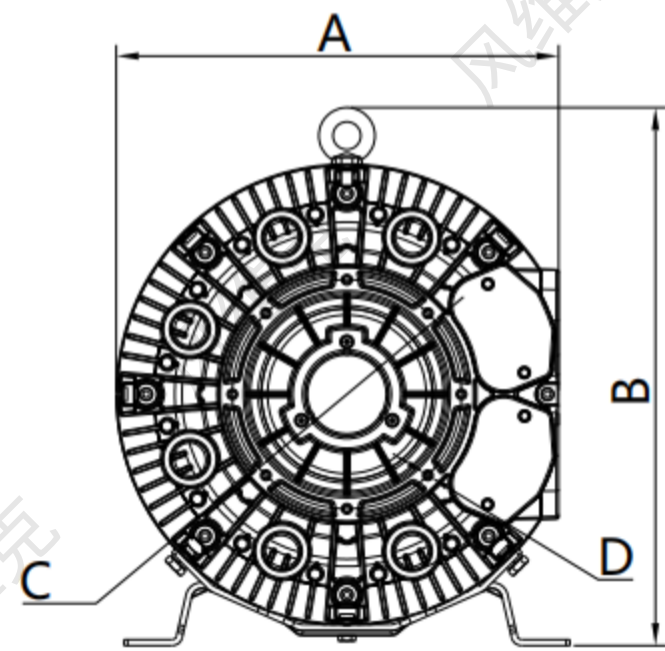
下面的性能曲线是在吸抽15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。
 The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.103 mbar of ±10%. The total pressure differences are valid up to an intake and ambient of 25°C.



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4FVK单级 安装尺寸

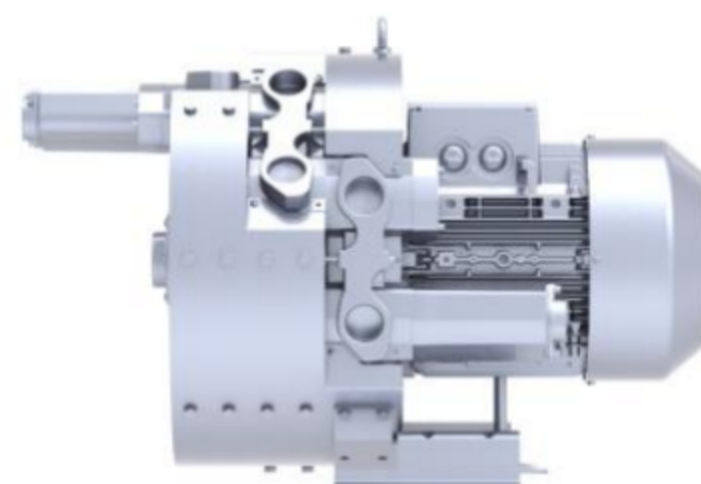
4FVK Single stage mounting dimensions



型号 Model	相位	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Z	Y
4FVK 210 H16	3~	295	360	153	M6X15	293	107	135	M16X1.5	M32X1.5	29	111	168	G1/4	64	4	107	88	124	M6X17	298	260	65	105	272	14	145
4FVK 310 H16	3~	313	378	153	M6X15	295	109	135	M16X1.5	M32X1.5	29	111	177	G1/4	64	4	114	94	130	M6X17	325	290	67	105	276	14	145
4FVK 310 H26	3~	313	378	153	M6X15	319	109	159	M16X1.5	M32X1.5	29	120	177	G1/4	64	4	114	94	130	M6X17	325	290	67	105	276	14	145
4FVK 410 H16	3~	346	416	167	M6X15	323	113	159	M16X1.5	M32X1.5	29	120	197	G1/4	64	4	125	103	145	M6X17	350	315	70	130	282	14	167
4FVK 510 H16	3~	367	435	192	M8X15	363	112	191	M16X1.5	M32X1.5	29	128	206	G1/4	64	4	138	114	148	M6X17	363	328	71	152	287	14	192
4FVK 510 H26	3~	367	435	192	M8X15	363	112	191	M16X1.5	M32X1.5	29	128	206	G1/4	64	4	138	114	148	M6X17	363	328	71	152	287	14	192
4FVK 610 H16	3~	418	494	228	M8X15	364	124	191	M16X1.5	M32X1.5	29	128	236	G1/4	64	4	153	126	172	M6X17	406	371	70	152	291	14	193
4FVK 610 H36	3~	418	494	228	M8X15	390	124	217	M16X1.5	M32X1.5	29	128	236	G1/4	64	4	153	126	172	M6X17	406	371	70	152	291	14	193

4FVK 3AC 气环泵型号及性能参数表 (IP55 50/60 Hz)

4FVK 3AC Gas ring pump model and performance parameter table (IP55 50/60HZ)

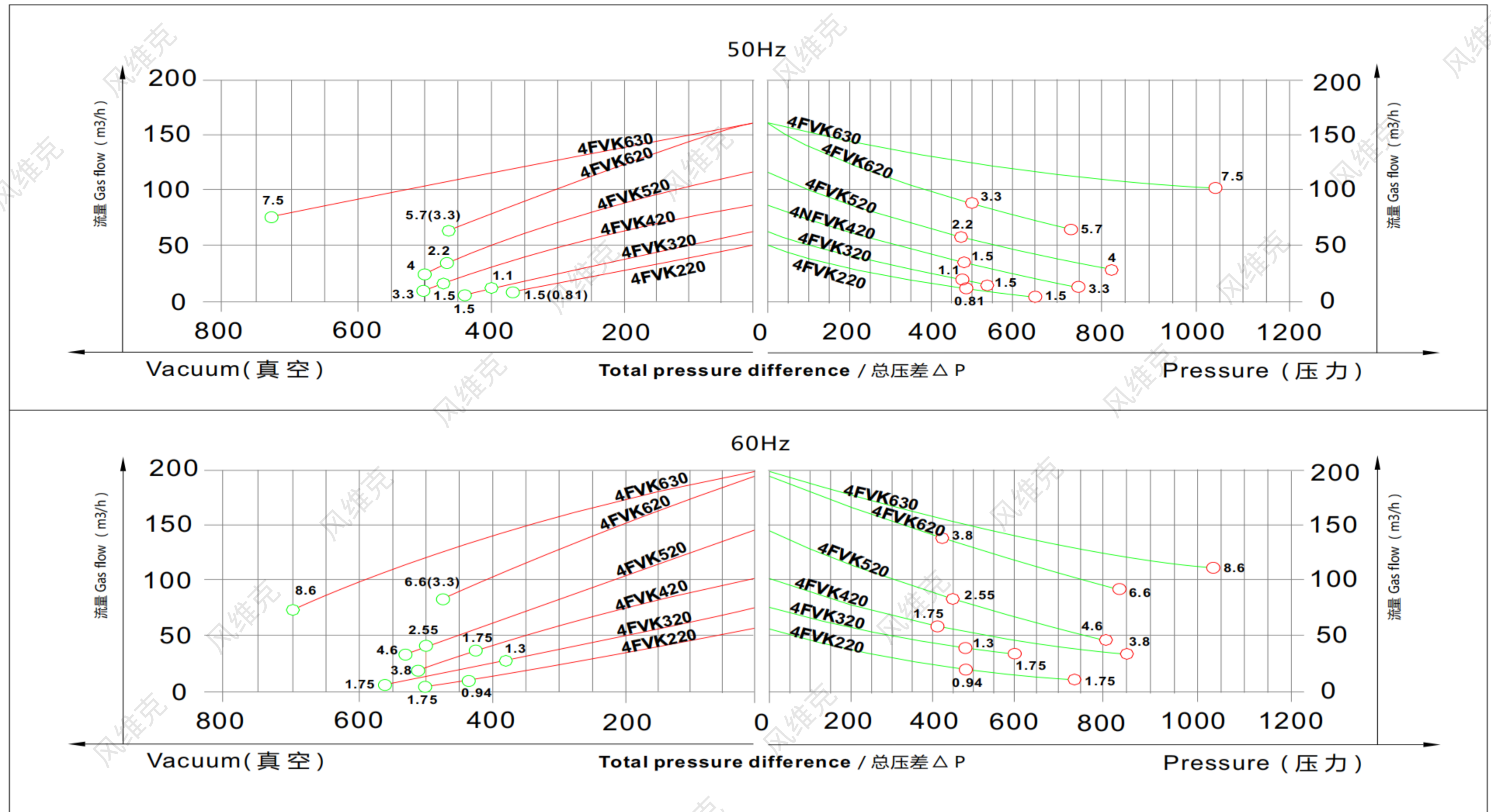


型号 (4FVK-3AC) Model	单级	马达额定参数 Motor rated parameters				最大	额定	额定	噪音 noises dB(A)	重量 Weight Kg	
	双级	频率	功率	电压		电流	排吸流量	真空压力			压缩压力
	single	frequency	power	voltage		current	Max airflow	rated Vacuum			rated compress
	double	HZ	KW	V		A	m3/h	mbar			mbar
• 4FVK 220 H26	双	50	0.85	200-240△	345-415Y	4△/2.3Y	47	-370	490	58	24
		60	0.95	220-275△	380-480Y	4△/2.3Y	60	-440	480	62	
• 4FVK 220 H56	双	50	1.6	200-240△	345-415Y	7.5△/4.3Y	47	-370	650	58	28
		60	2.05	220-275△	380-480Y	7.6△/4.4Y	60	-500	740	62	
• 4FVK 320 H46	双	50	1.3	200-240△	345-415Y	5.4△/3.1Y	65	-400	480	59	29
		60	1.5	220-275△	380-480Y	5.4△/3.1Y	76	-480	480	63	
• 4FVK 320 H56	双	50	1.6	200-240△	345-415Y	7.5△/4.3Y	65	-440	540	59	30
		60	2.05	220-275△	380-480Y	7.5△/4.4Y	76	-560	600	63	
• 4FVK 420 H26	双	50	1.6	200-240△	345-415Y	7.5△/4.3Y	87	-480	450	61	33
		60	2.05	220-275△	380-480Y	7.6△/4.4Y	105	-430	410	66	
• 4FVK 420 H56	双	50	3.3	200-240△	345-415Y	13△/7.5Y	87	-500	750	61	39
		60	3.8	220-275△	380-480Y	13.8△/8Y	105	-510	850	66	
• 4FVK 520 H26	双	50	2.2	200-240△	345-415Y	11.4△/6.6Y	120	-470	460	64	40
		60	2.55	220-275△	380-480Y	11.2△/6.5Y	145	-500	450	70	
• 4FVK 520 H27	双	50	4.3	345-415△		9.5△	120	-500	820	65	51
		60	4.8	380-480△		10△	145	-530	810	71	
• 4FVK 620 H36	双	50	3.3	200-275△	345-415Y	13△/7.5Y	165	-460	500	67	48
		60	3.8	220-275△	380-480Y	14.2△/8.2Y	195	-480	420	71	
• 4FVK 620 H57	双	50	5.5	345-415△		12△	165	-460	740	68	65
		60	6.3	380-480△		11.5△	195	-480	840	72	
• 4FVK 630 H67	双	50	7.5	345-415△		16△	170	-730	1040	72	86
		60	8.6	380-480△		16△	200	-700	1040	76	

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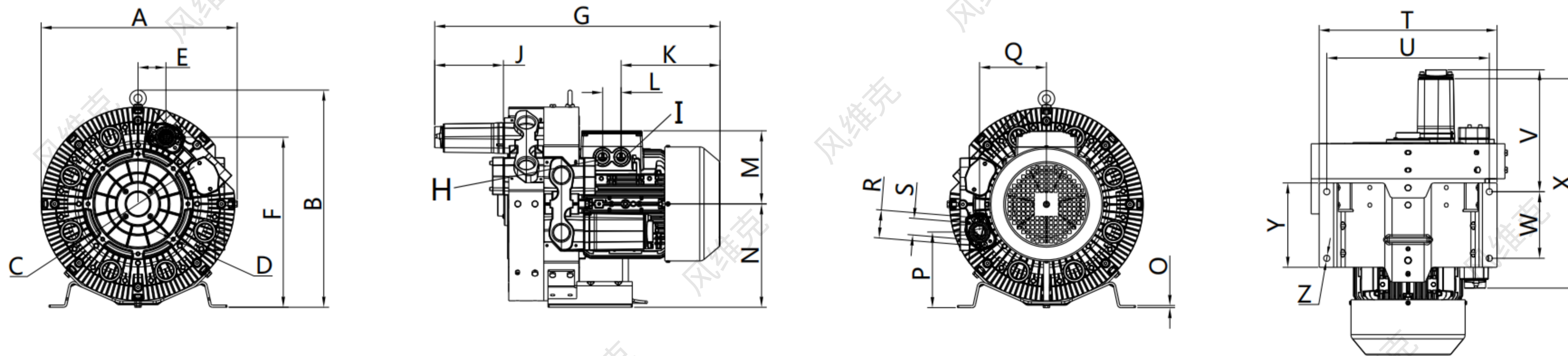
4FVK双级真空压缩选型曲线3AC Vacuum compression type curve

下面的性能曲线是在吸抽15°C空气，排气压力1013mbar的工况下测出的，允差±10%，吸入空气和环境温度不超过25°C时，即可达到图示总压差。
The performance curves are valid for pumping air at 15°C at the inlet flanges with an air pressure of 1.103 mbar of ±10%. The total pressure differences are valid up to an intake and ambient of 25°C.



4FVK双级 安装尺寸

4FVK Double stage mounting dimensions

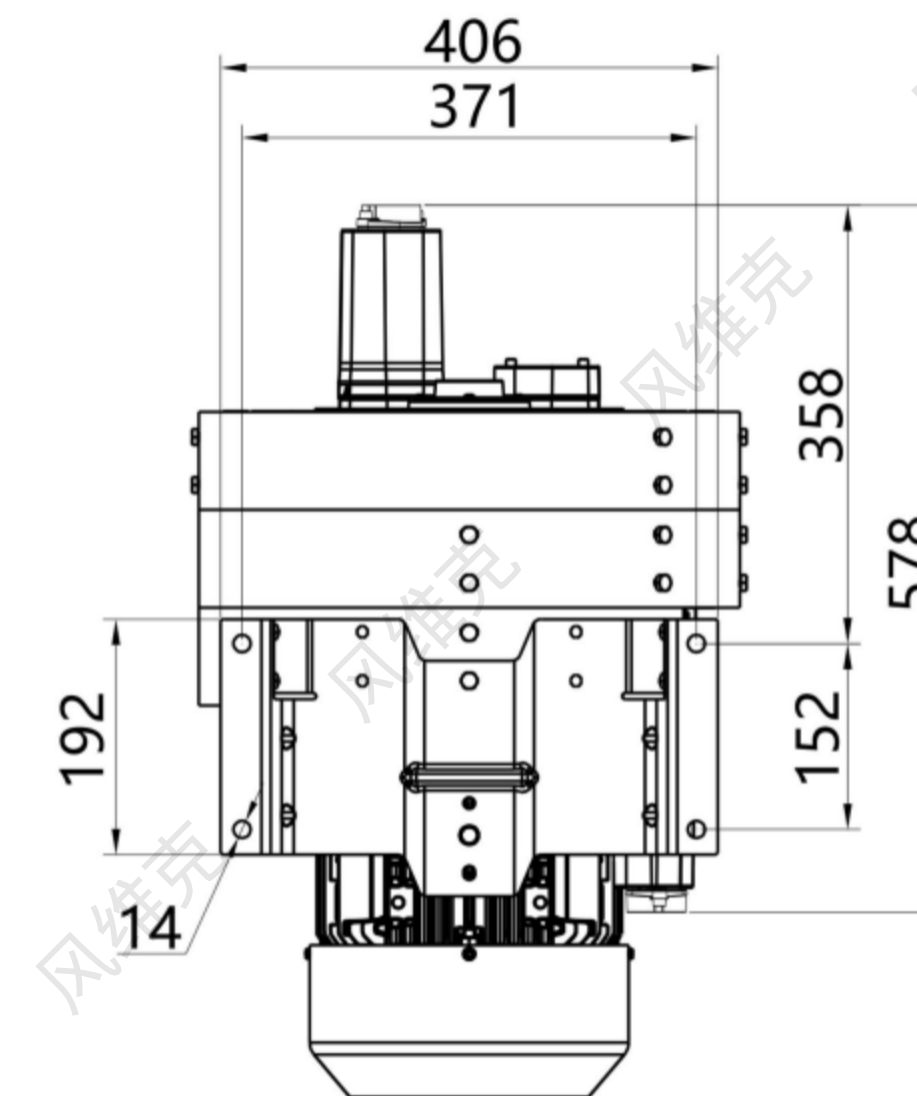
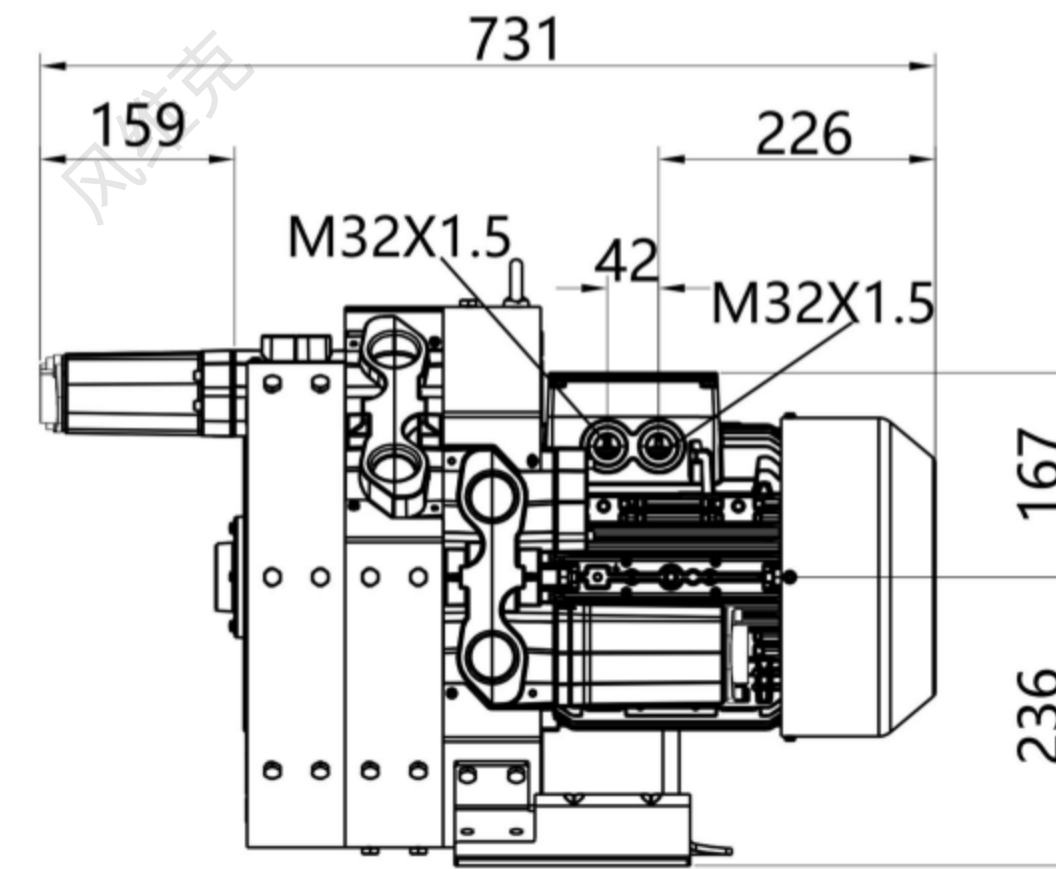
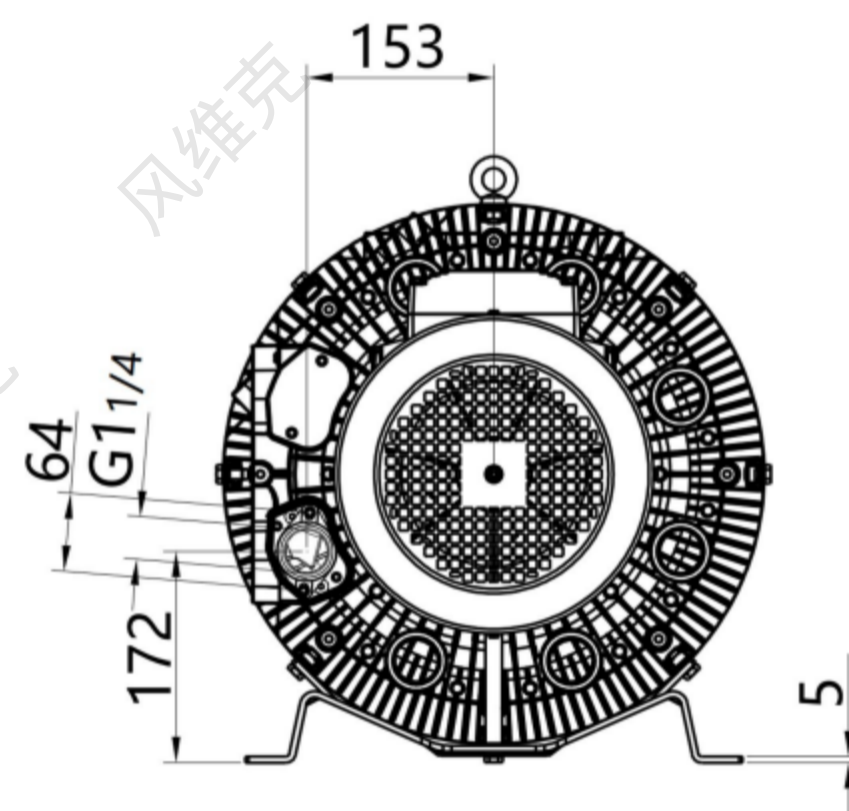
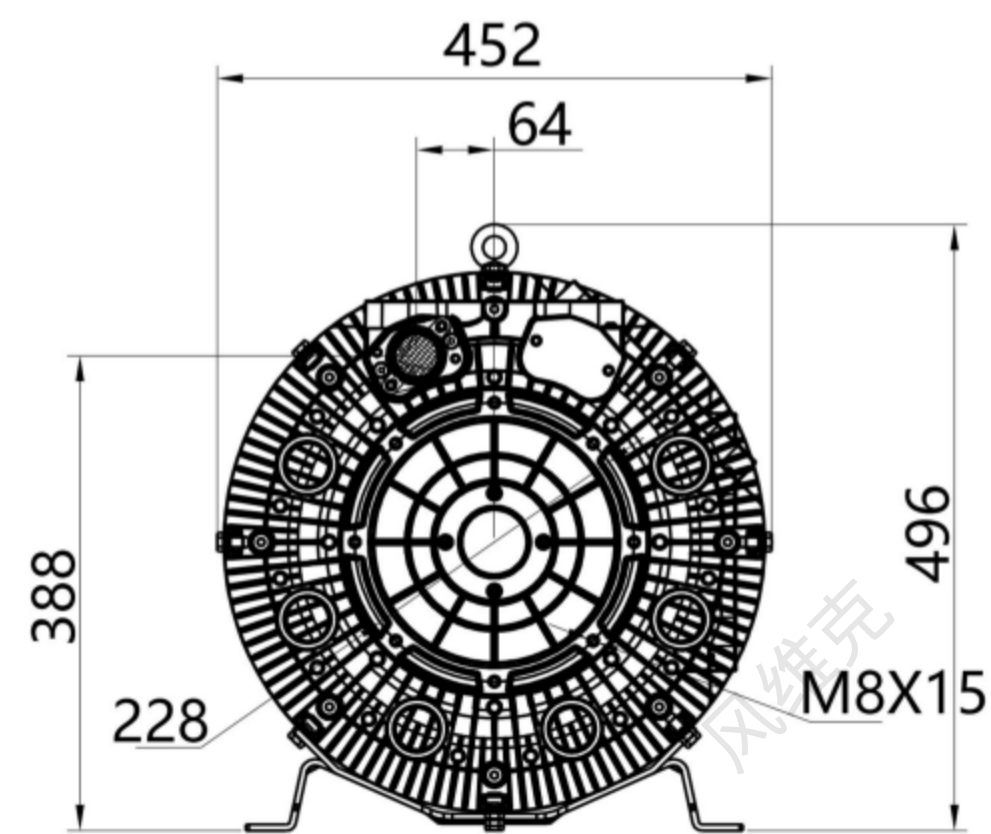


型号 Model	相位	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Z	Y
4FVK 220 H26	3~	313	360	153	M6X15	45	274	489	M16X1.5	M32X1.5	159	135	29	111	167	4	123	105	64	G1 ¹ / ₄	298	260	261	105	468	14	145
4FVK 220 H56	3~	313	360	153	M6X15	45	274	546	M16X1.5	M32X1.5	159	191	29	128	167	4	123	105	64	G1 ¹ / ₄	298	260	261	105	468	14	145
4FVK 330 H46	3~	333	380	153	M6X15	47	291	515	M16X1.5	M32X1.5	159	159	29	120	178	4	130	114	64	G1 ¹ / ₄	325	290	263	105	472	14	145
4FVK 320 H56	3~	333	380	153	M6X15	47	291	546	M16X1.5	M32X1.5	159	191	29	128	178	4	130	114	64	G1 ¹ / ₄	325	290	263	105	472	14	145
4FVK 420 H26	3~	346	416	167	M8X15	52	321	548	M16X1.5	M32X1.5	159	191	29	128	197	4	145	124	64	G1 ¹ / ₄	350	315	263	130	475	14	167
4FVK 420 H56	3~	346	416	167	M8X15	52	321	575	M16X1.5	M32X1.5	159	217	29	128	197	4	145	124	64	G1 ¹ / ₄	350	315	263	130	475	14	167
4FVK 520 H27	3~	387	435	192	M8X15	57	343	569	M16X1.5	M32X1.5	159	191	29	128	206	5	148	137	64	G1 ¹ / ₄	363	328	277	152	493	14	192
4FVK 520 H36	3~	387	435	192	M8X15	57	343	621	M32X1.5	M32X1.5	159	209	42	148	206	5	148	137	64	G1 ¹ / ₄	363	328	277	152	493	14	192
4FVK 620 H57	3~	447	495	228	M6X15	63	389	599	M32X1.5	M32X1.5	159	217	29	128	236	5	173	153	64	G1 ¹ / ₄	406	371	278	152	498	14	193
4FVK 620 H67	3~	447	495	228	M6X15	63	389	651	M32X1.5	M32X1.5	159	226	42	167	236	5	173	153	64	G1 ¹ / ₄	406	371	278	152	498	14	193

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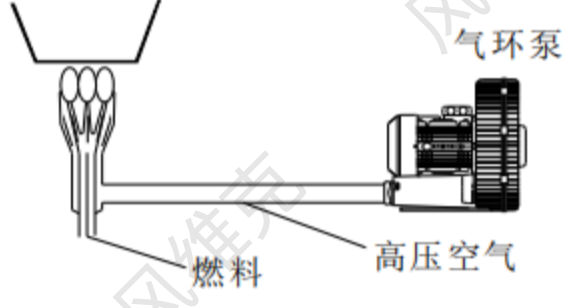
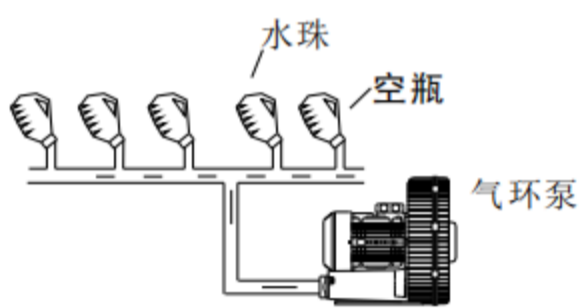
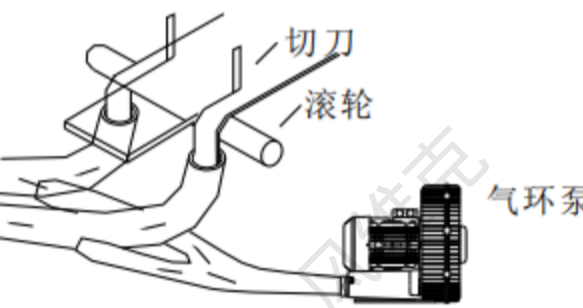
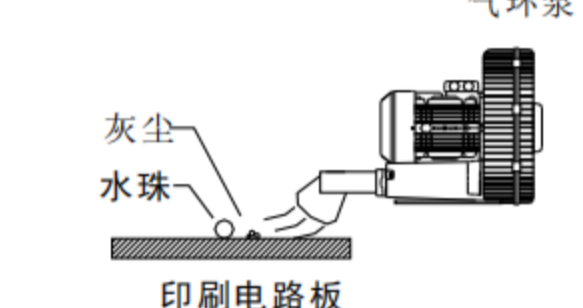
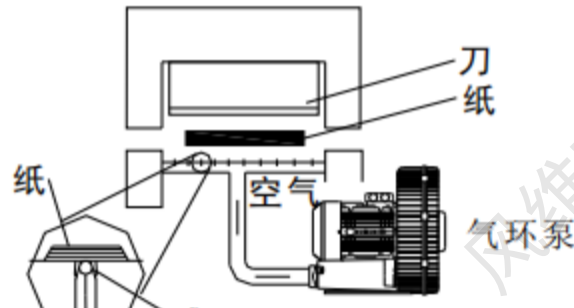
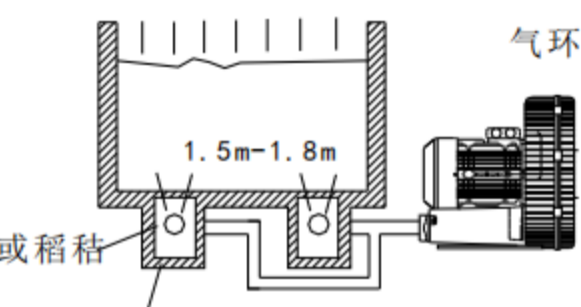

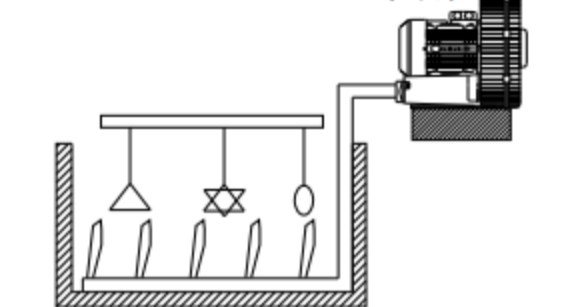
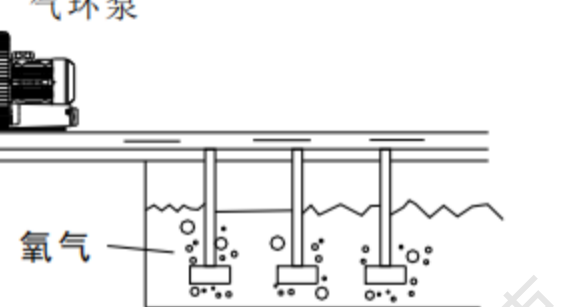
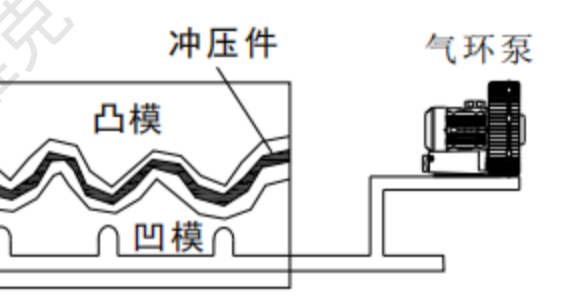
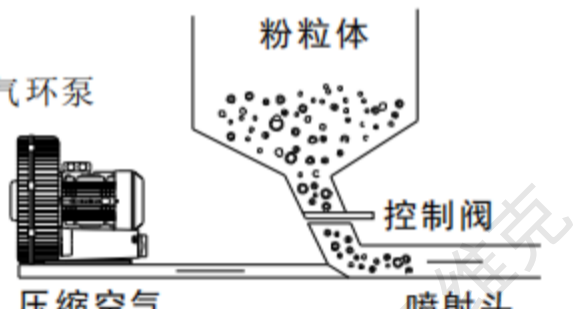
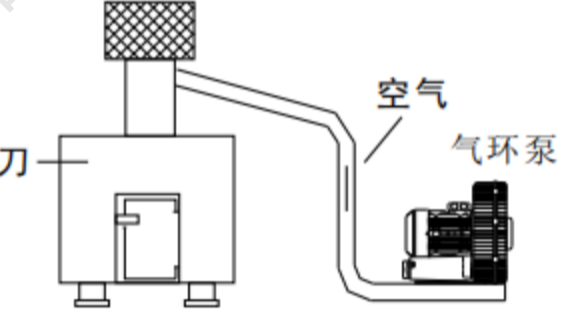
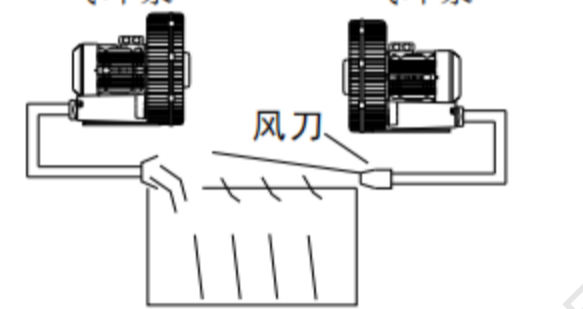

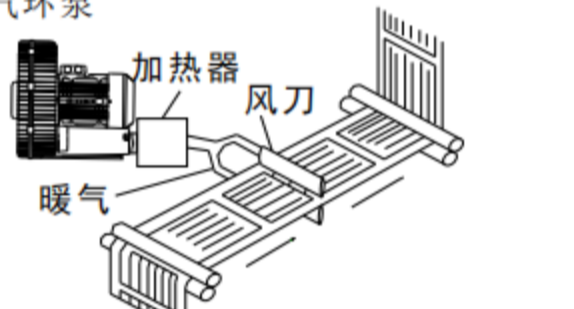
4FVK630-H67三级 安装尺寸

4FVK630-H67 Three stage mounting dimensions



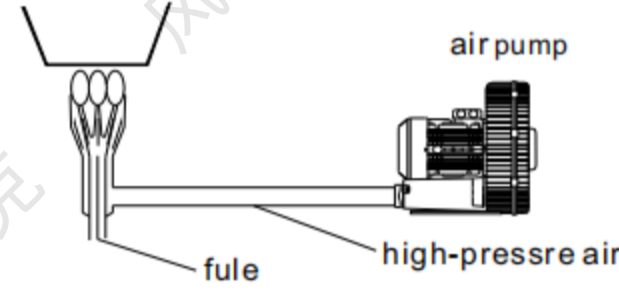
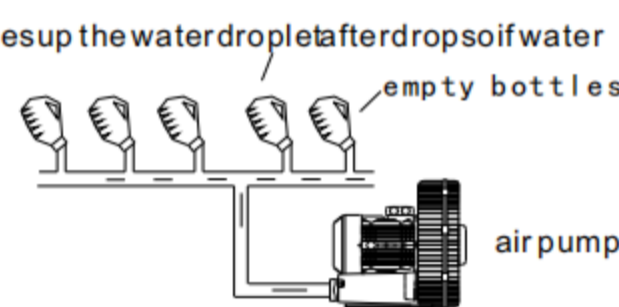
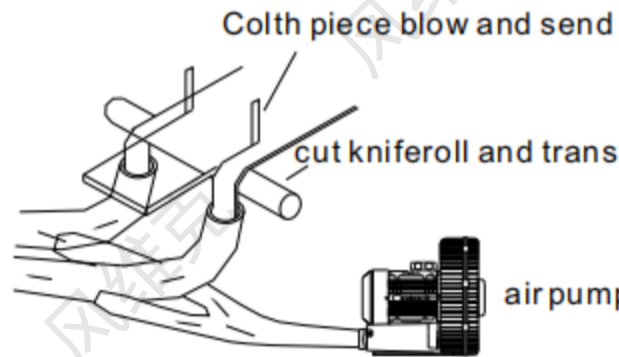
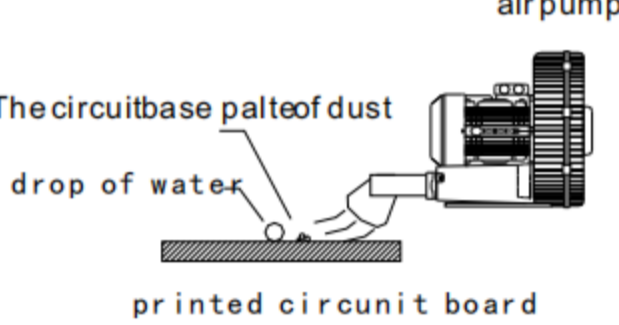
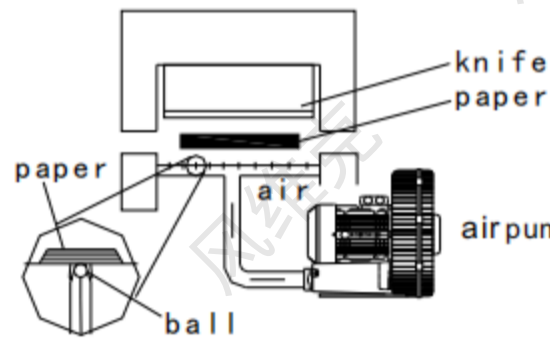
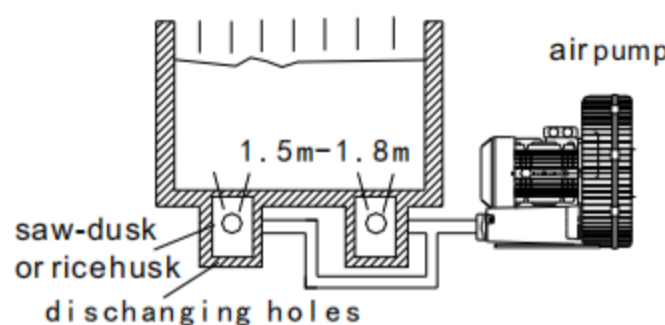
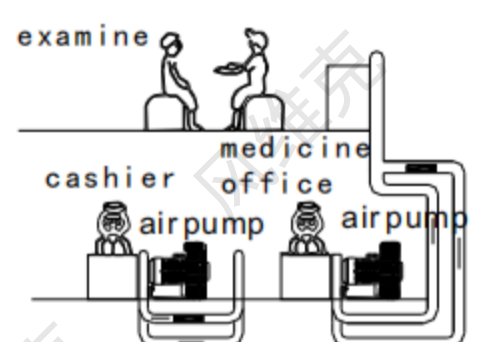
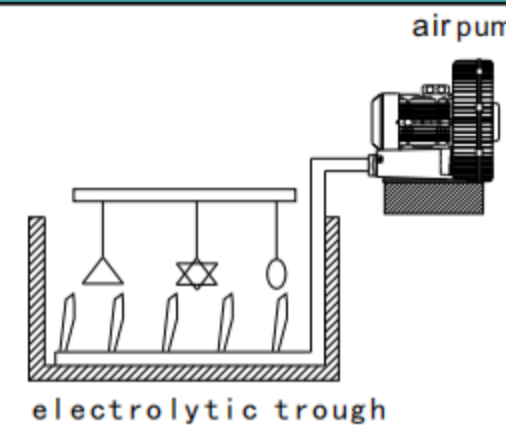
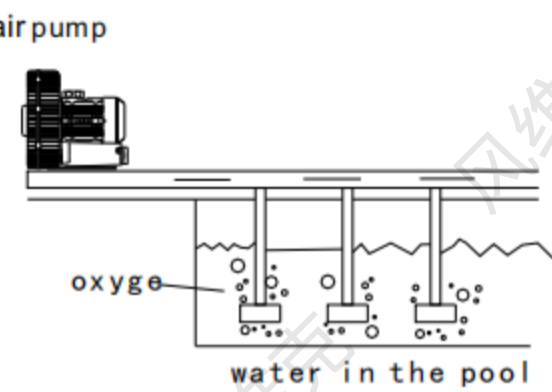
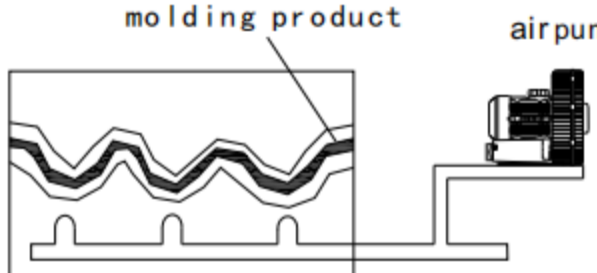
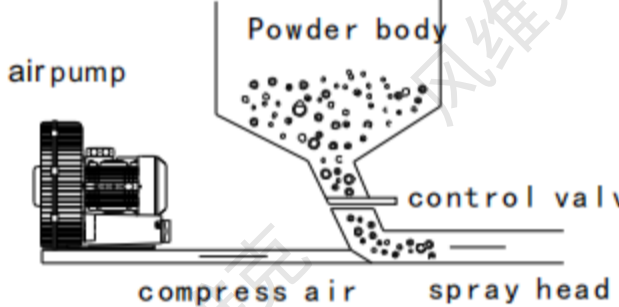
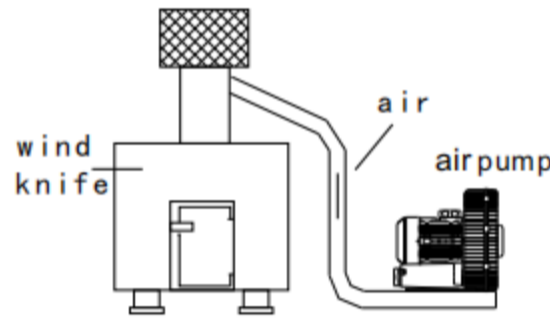
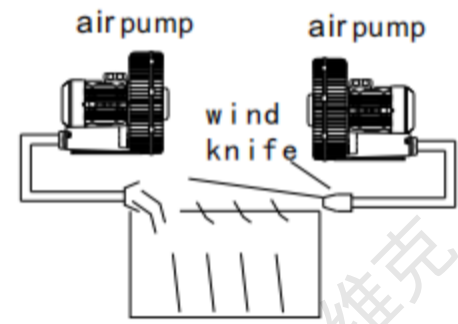
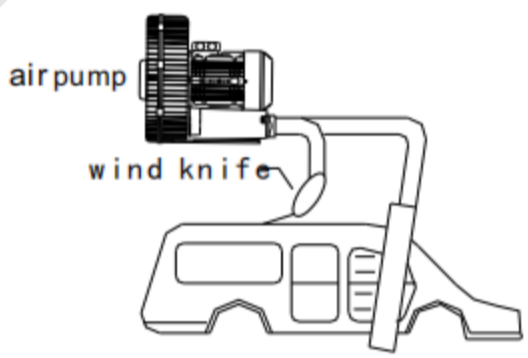
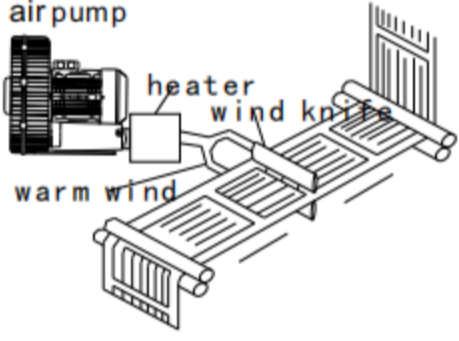
工业应用案例 (送风)

送风 吸尘 排气 冷却 输送 气垫

瓦斯重油喷燃	洗瓶机吹干	纸、布条吹送	干燥用空气刀	切断机气垫
 <p>足够的风量, (2.000mmq) 减轻对压缩机的依赖</p>	 <p>饮料空瓶水洗后吹干, 适用于食品业</p>	 <p>塑料、布、纸等裁边后自动收集</p>	 <p>电路板用风机来吹出微小灰尘和杂物</p>	 <p>增加浮力, 容易移动</p>
蓄粪发酵曝气	传票输送	电解液搅拌	养殖池空气补给	冲床机
 <p>蓄粪槽吹入空气增氧, 增加接触面积, 也适合污水处理</p>	 <p>以空气为动力输送文件既快有准确</p>	 <p>利用空气来搅拌电解池, 令电镀迅速, 效果均匀</p>	 <p>水中氧气补给用</p>	 <p>帮助取出冲压件</p>
粉粒输送	焚化炉	烟气吹送	洗车吹干	印刷强制干燥
 <p>粉粒体等原料的输送</p>	 <p>空气的助燃与废气之排除</p>	 <p>让散出之烟气迅速排出, 以免造成污染</p>	 <p>洗车机洗完后吹干水分</p>	 <p>使印色迅速干燥</p>

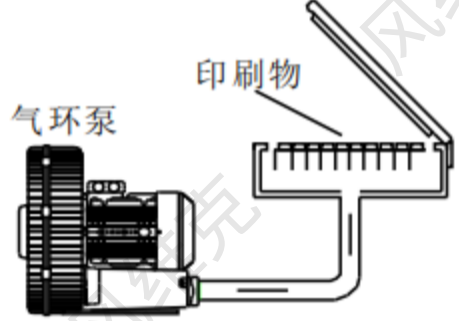

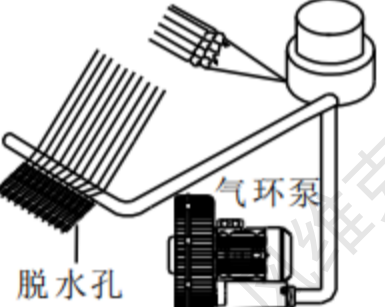
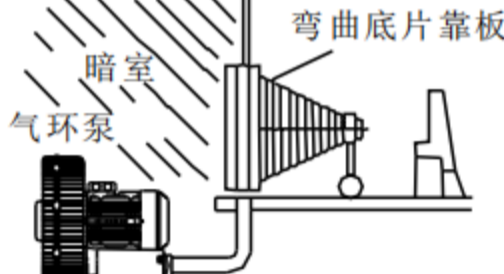
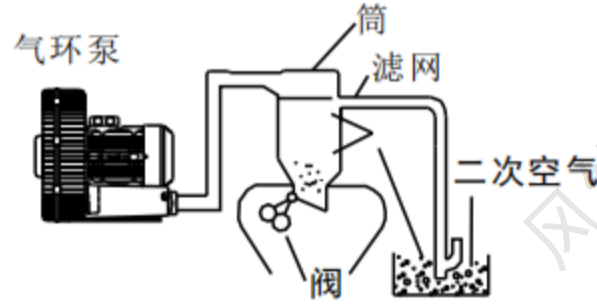
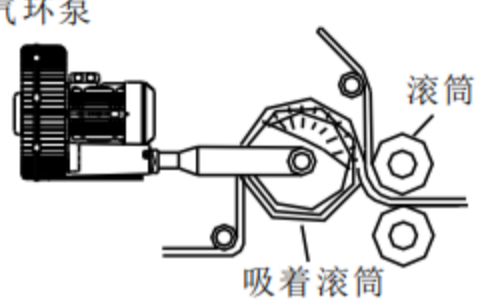
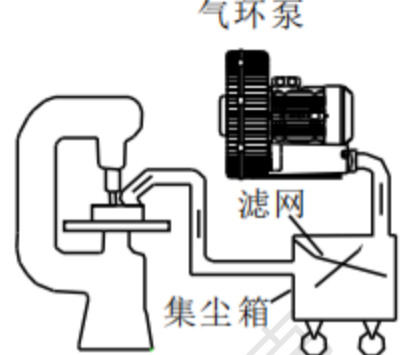
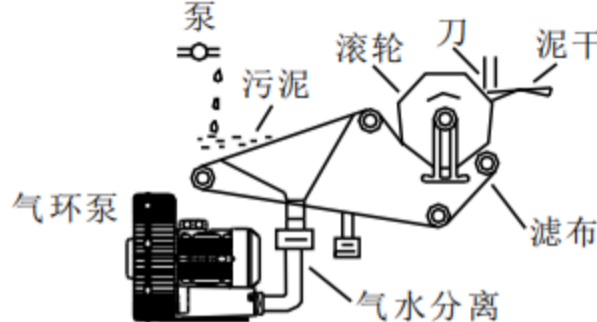
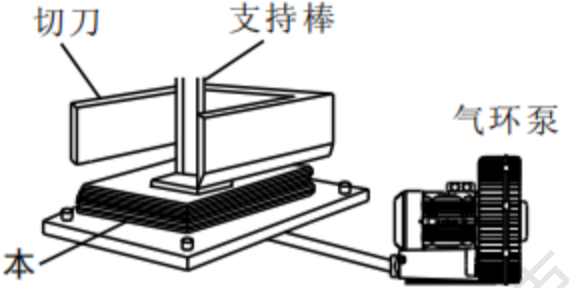
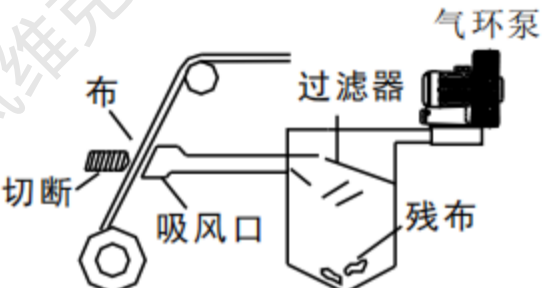
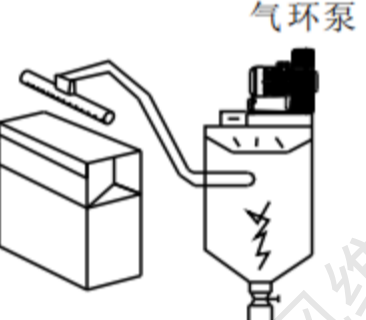
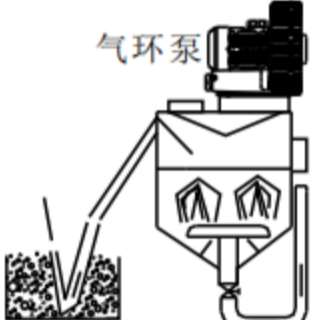
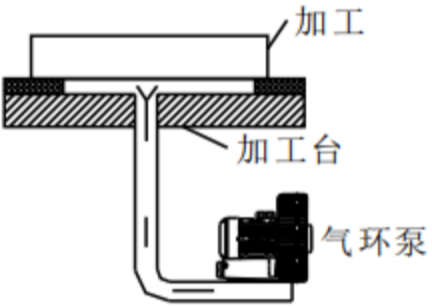
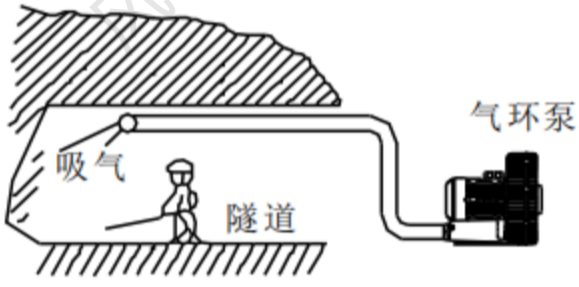
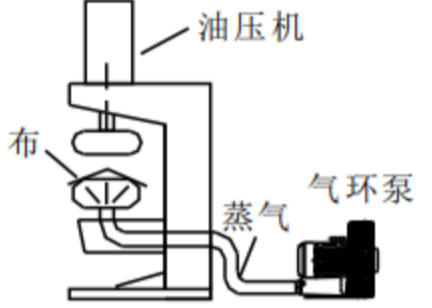
Application example use for blowing

Blow Hoover exhaust cool transport air cushion

<p>The gas and heavy oil gushout firing</p>  <p>Enough air volume (2.000mmaq) Reduce the dependence of the compressor</p>	<p>Wash the battle machine and dries up</p>  <p>Beverage bottles after washing to dry, suitable for food industry</p>	<p>Can collect all the bits automatically after cut the Paper</p>  <p>Automatic collection of plastic, cloth, paper, etc.</p>	<p>It is dry to use the air knife</p>  <p>The circuit board uses the blower to blow out the tiny dust and the debris.</p>	<p>Air cushion</p>  <p>Increase the buoyancy, easy to move</p>
<p>The domestic animal excrement ferments feceness gas</p>  <p>Storage tank excrement blowing air into the oxygen, increase the contact area, Also suitable for sewage treatment</p>	<p>Subpoena transport</p>  <p>The air as the power transmission file is quick and accurate</p>	<p>The electrolytic liquid mix round</p>  <p>Use air to stir the electrolytic cell, so that the plating quickly, Uniform effect</p>	<p>The oxygen supply in breedaquatics</p>  <p>Oxygen supply in water</p>	<p>Puncher machine</p>  <p>Help out stamping parts</p>
<p>Powderbody transport</p>  <p>Conveying of powder and other raw materials</p>	<p>incinerator</p>  <p>Air for combustion and exhaust gas removal</p>	<p>The exhaust gas blows smoking</p>  <p>Let out the flue gas discharged rapidly, so as not to cause pollution</p>	<p>Wash the car and dry up</p>  <p>Washing machine wash water after drying</p>	<p>Print and forced dryness</p>  <p>Rapid drying of printing ink</p>

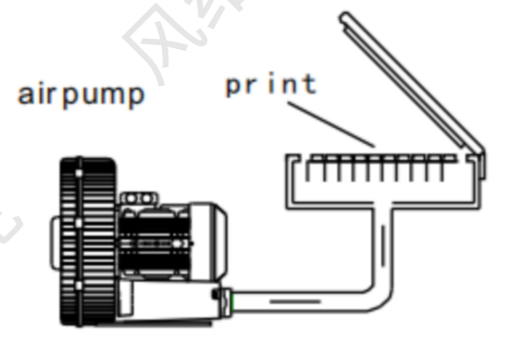
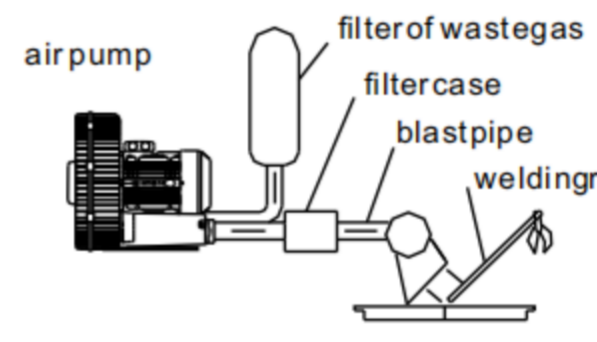
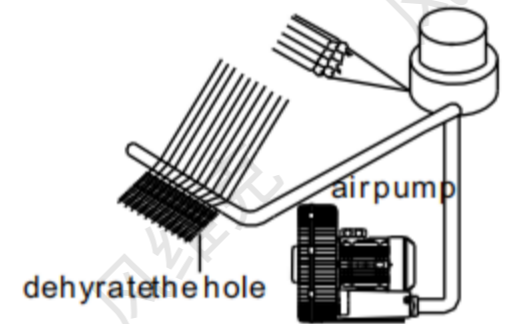
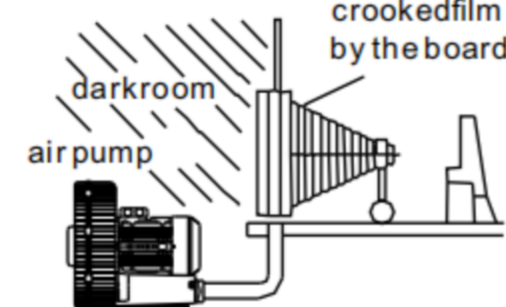
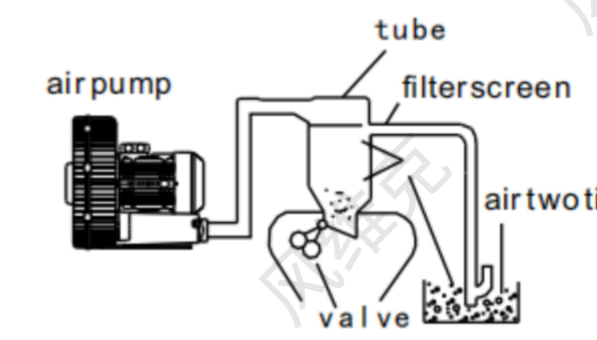
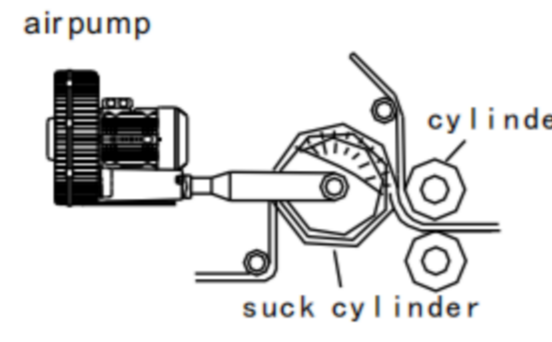
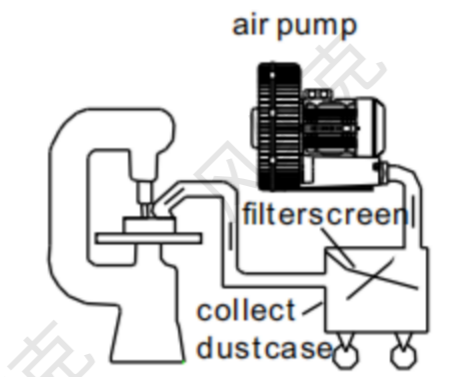
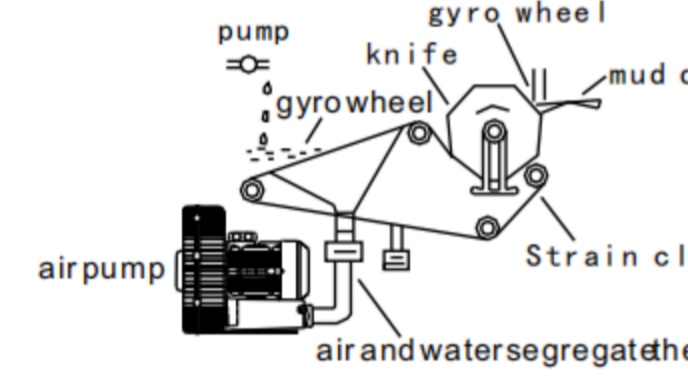
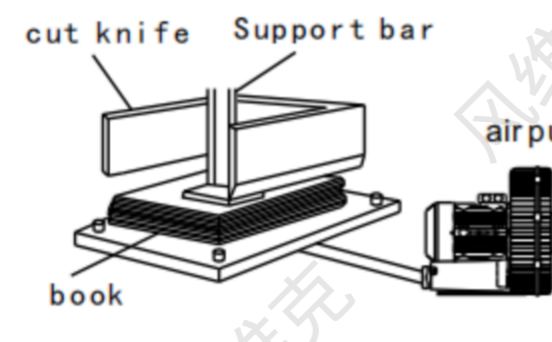
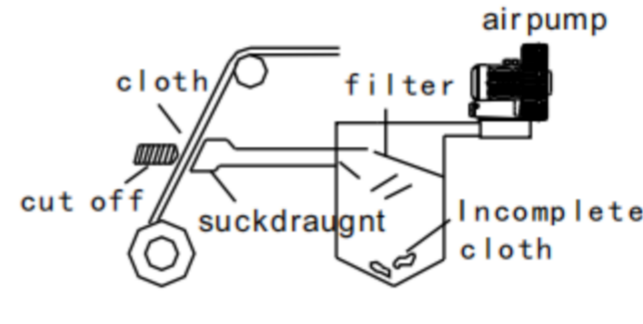
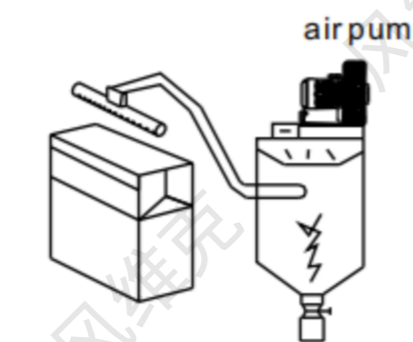
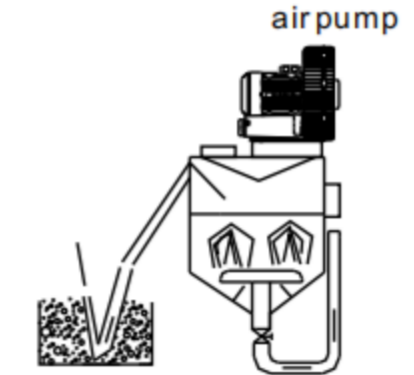
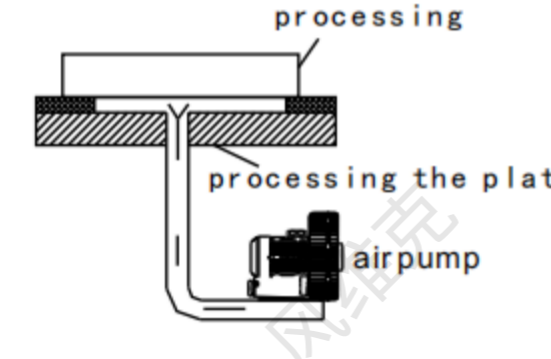
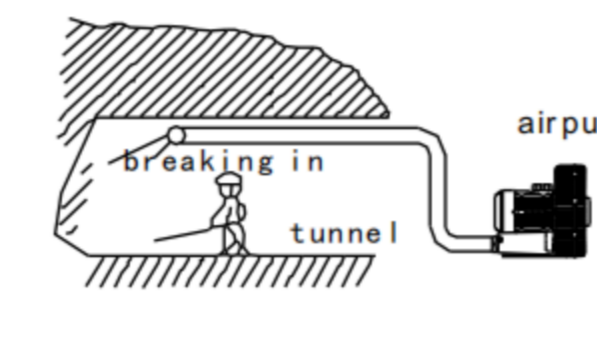
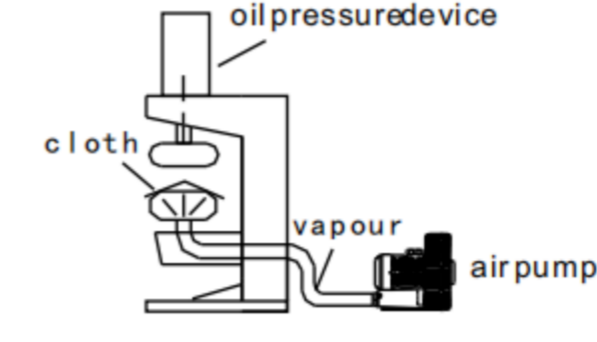
工业应用案例 (吸风)

送风 吸尘 排气 冷却 输送 气垫

网版印刷机吸着	焊接废气吸取	织布机吸丝	照相制版	粉粒体输送
 <p>利用吸着压力固定，以利印刷作业</p>	 <p>焊接时产生烟气和灰尘，可以真空方式排到它处，保障操作员健康</p>	 <p>吸除水分及固定线头，提高品质效率</p>	 <p>利用真空吸力来保护底片，使之平坦，适合照相制版工业</p>	 <p>塑胶原料等粒状物体，用吸、吹风来输送</p>
印刷吸着	工业吸尘	真空脱水	制书本机	残布处理
 <p>真空吸着印刷或者纸巾形成移送</p>	 <p>工厂经常有废屑残留在机台上，可以吸抽收集</p>	 <p>纸浆脱水，污染脱水，布匹脱水等</p>	 <p>切断时之书本吸着保持</p>	 <p>布匹切断处理</p>
牛乳纸盒填充机	豆腐机械	加工物的保持	工事现场	烫布机
 <p>牛乳盒填充之真空吸引利用</p>	 <p>吸引大豆输送，至清洗槽洗净使用</p>	 <p>木板、塑胶等非磁性物体之固定用</p>	 <p>隧道与狭小工事现场，产生粉尘，有毒瓦斯之局部除去</p>	 <p>烫布时将蒸气排放出</p>

Application example use for indraft

Blow Hoover exhaust cool transport air cushion

<p>The sucking of the printing machine of entwicketion</p>	<p>Ejectthe exhaustgas and dustproduced whileweldingdrawing</p>	<p>The wesvecottommachine sucksilk</p>	<p>Photo- engraving</p>	<p>The powderbody transports</p>
 <p>airpump print</p> <p>Fixed with suction, to facilitate printing operations</p>	 <p>airpump filterof wastegas filtercase blastpipe weldingrod</p> <p>When welding smoke and dust, can be vacuum Line to it, to protect the health of the operator</p>	 <p>dehydratethe hole airpump</p> <p>Suction water and fixed head, improve the quality of efficiency</p>	 <p>darkroom crookedfilm by the board airpump</p> <p>The use of vacuum suction to protect the film, so that the flat, Suitable for photographic plate making industry</p>	 <p>airpump tube filterscreen airtwotimes valve</p> <p>Plastic raw materials, such as granular objects, blowing or sucking to transport</p>
<p>Print suck</p>	<p>Industry hoover</p>	<p>Vacuumdehydrate</p>	<p>Makebooksmachine</p>	<p>Incomplete clothdealwith</p>
 <p>airpump cylinder suck cylinder</p> <p>Vacuum printing or paper towels to form at</p>	 <p>airpump filterscreen collect dustcase</p> <p>Factories often have waste residue on the machine, Suction pump collection</p>	 <p>pump gyro wheel knife mud do Strain cloth airpump airandwatersegreattheair</p> <p>The pollutionof pulpdehydrationdehydration, dehydration cloth etc.</p>	 <p>cut knife Support bar airpump book</p> <p>Whenthe bookskeepoff smoking</p>	 <p>airpump filter suck draught Incomplete cloth cut off</p> <p>Cloth cutting processing</p>
<p>Ox milkpapercartonfillingmachine</p>	<p>Beancurd machinery</p>	<p>Keeping processing</p>	<p>Defenceworksscene</p>	<p>Ironclothmachine</p>
 <p>airpump</p> <p>Vacuum suction utilization of milk box packing</p>	 <p>airpump</p> <p>To attract soybean transmission, to wash the tank to use</p>	 <p>processing processing the platform airpump</p> <p>Fixed use of wood, plastic, and other non magnetic objects</p>	 <p>airpump breaking in tunnel</p> <p>Tunnel and small work site, produce dust, toxic Partial removal of gas</p>	 <p>oil pressure device cloth vapour airpump</p> <p>Whenthe clothis hot, steamis discharged.</p>