

VORTECH



***RING
BLOWER***

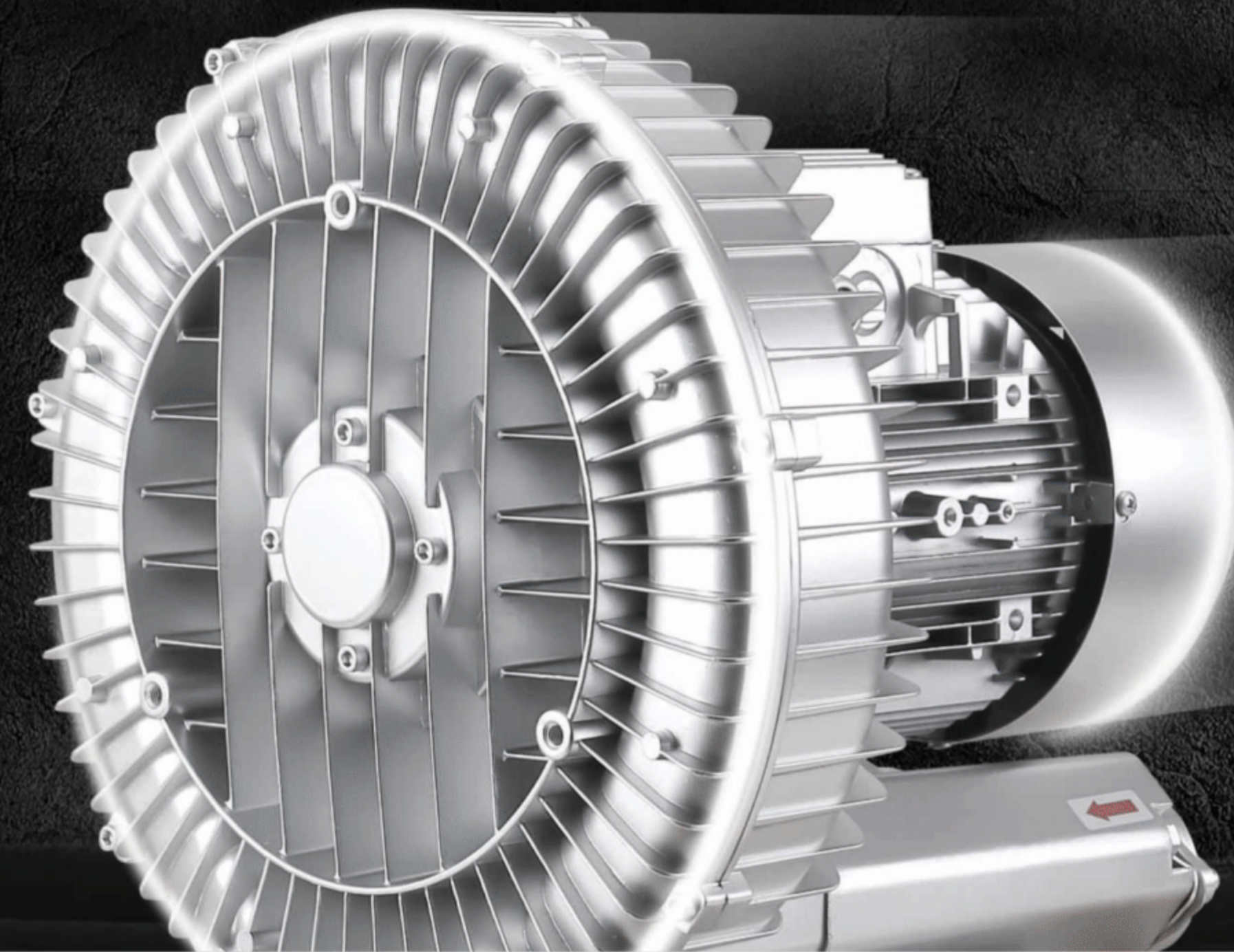
Professional Manufacturer in Taiwan

VORTECH

RING BLOWER



Air supply
Suction
Exhaust

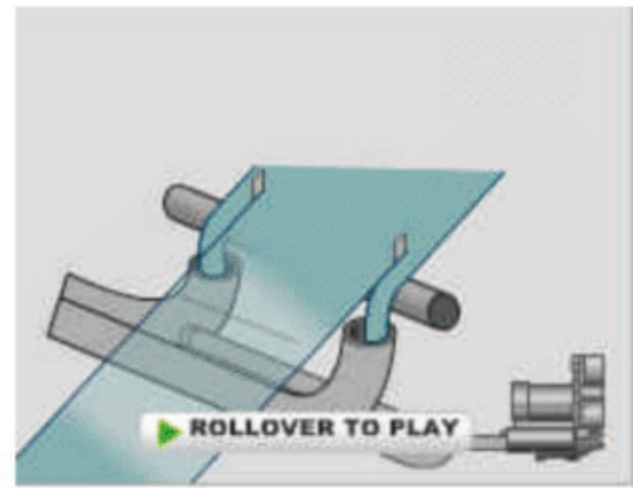


Application

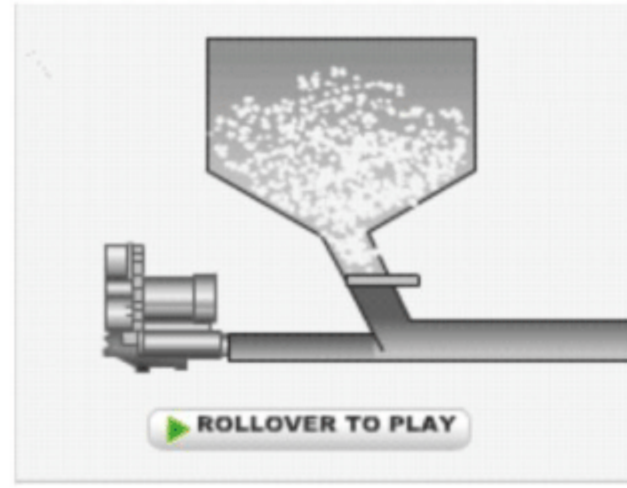
- Pneumatic conveying systems
- Lifting and holding of parts by vacuum
- Packing machines
- Aeration of sewage-treatment plants
- Filling of bags/bottles/hoppers
- Soil remediation
- Thermoforming
- Sorting/enveloping of letters
- Food-processing
- Laser printers
- Dental suction equipments
- Paper processing
- Printers/copiers
- Textile machines
- Aeration of fish ponds
- Gas analysis
- Wsimming pool equipment/whirlpools

APPLICATION Area

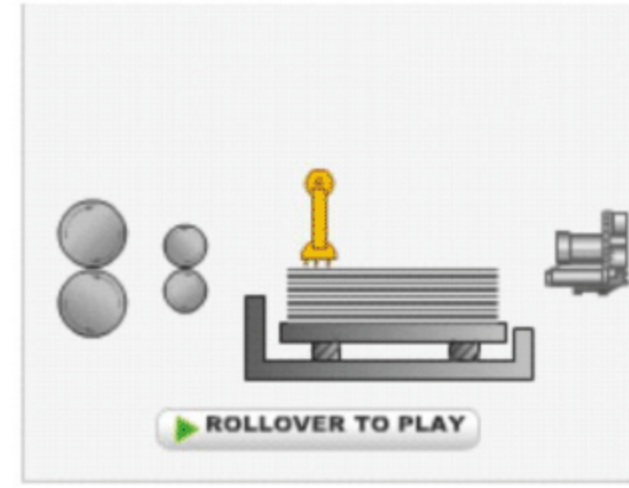
Vortex fans are suitable for multiple fields and can provide more assistance, helping us improve efficiency



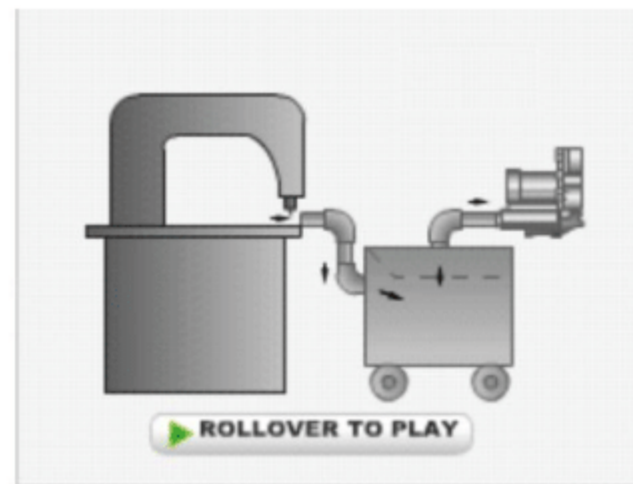
Paper handling system



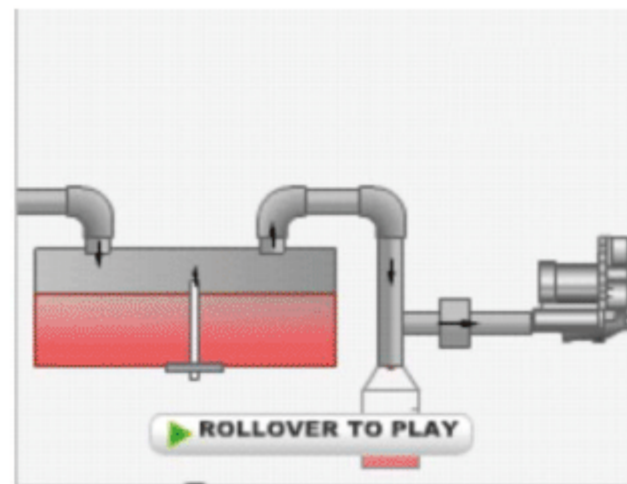
Powder particle transport



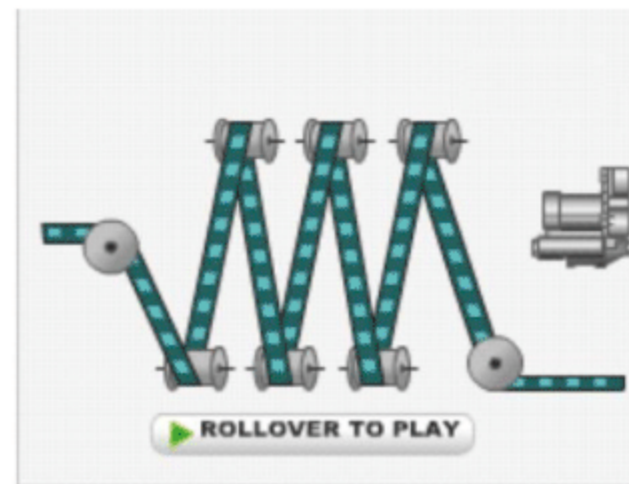
Feeder machine



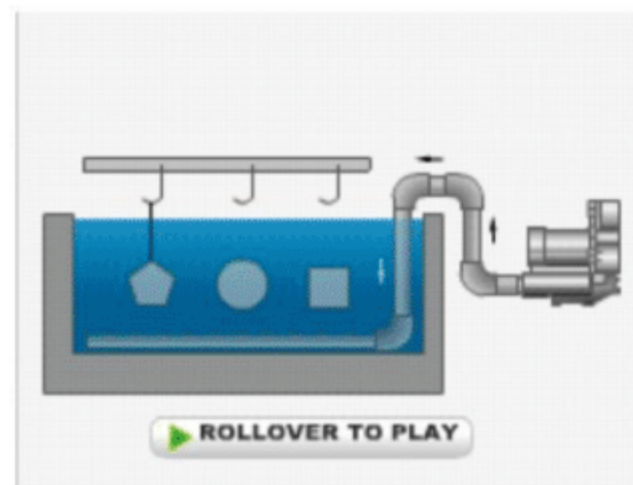
Industrial dust absorbing waste machine



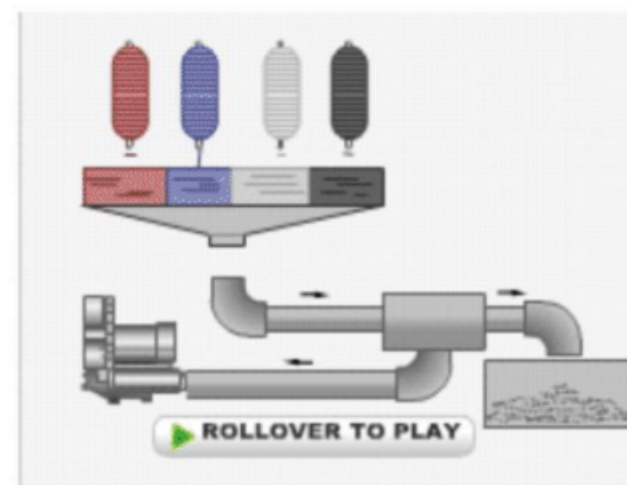
Filling machinery



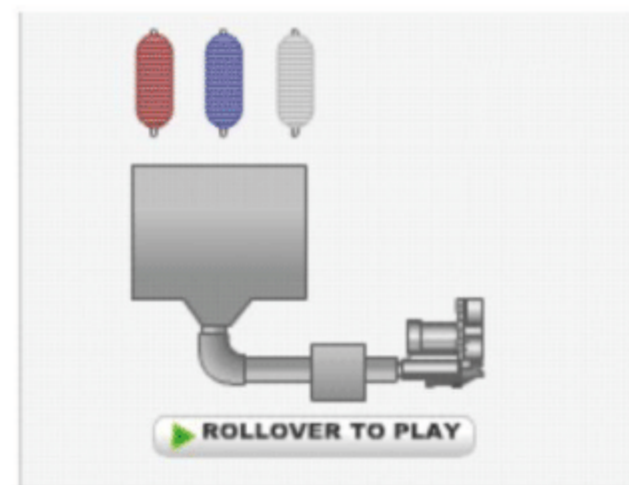
Drying machinery



Plating bath stirring



Textile equipment



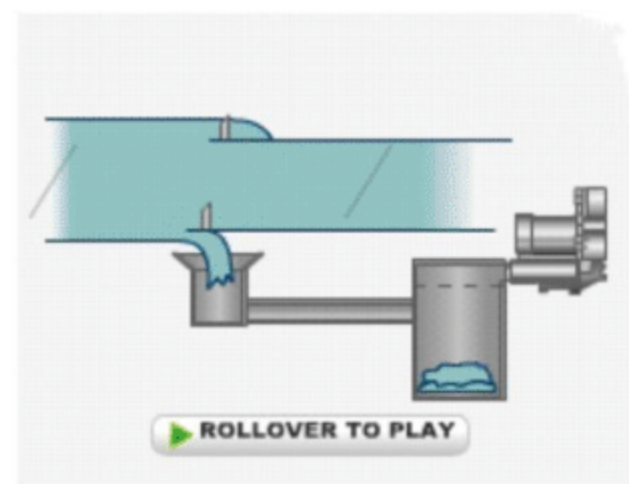
Textile machinery



Cutting equipment



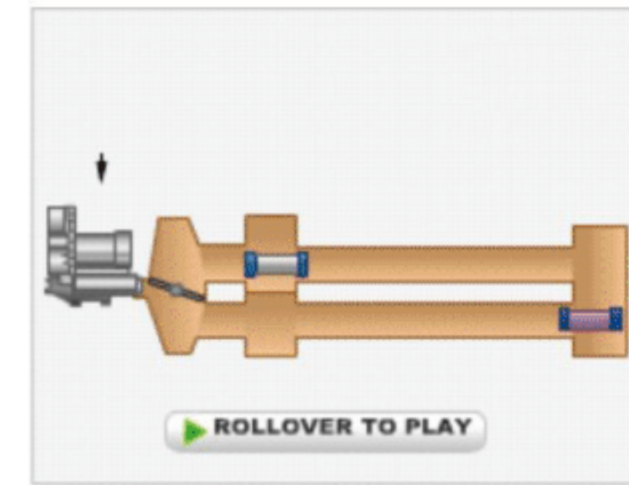
Waste gas treatment



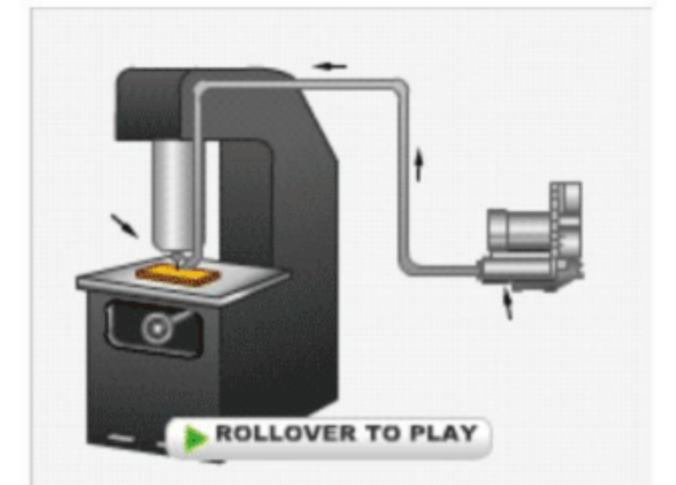
Waste collection



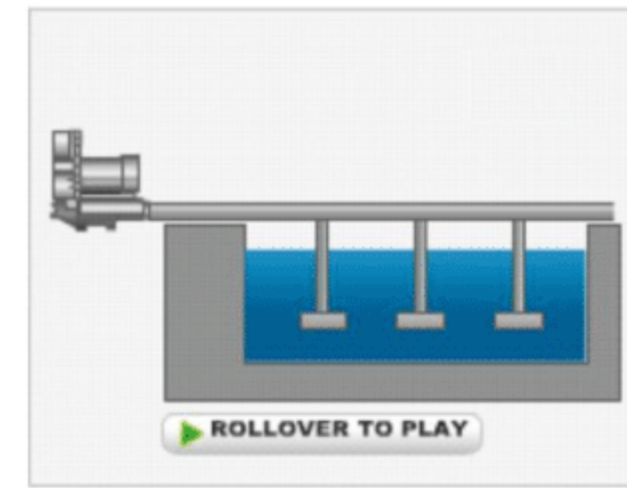
Pellet feeding machine



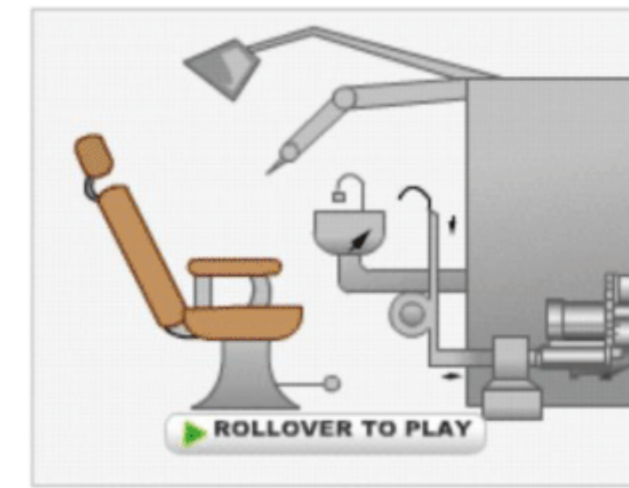
Gas delivery system



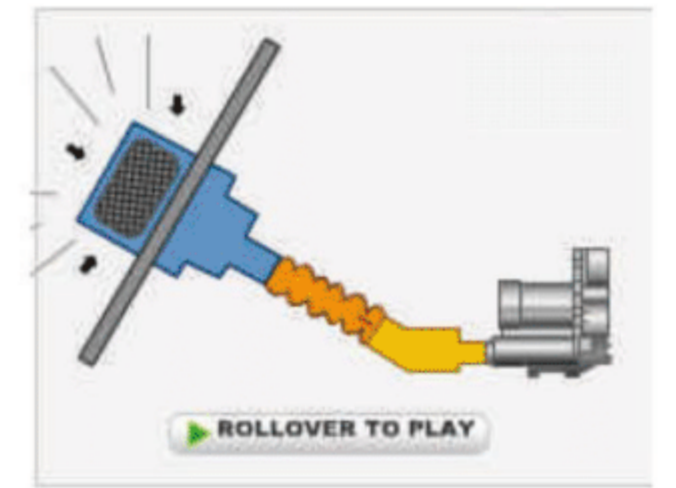
Wood-working machine



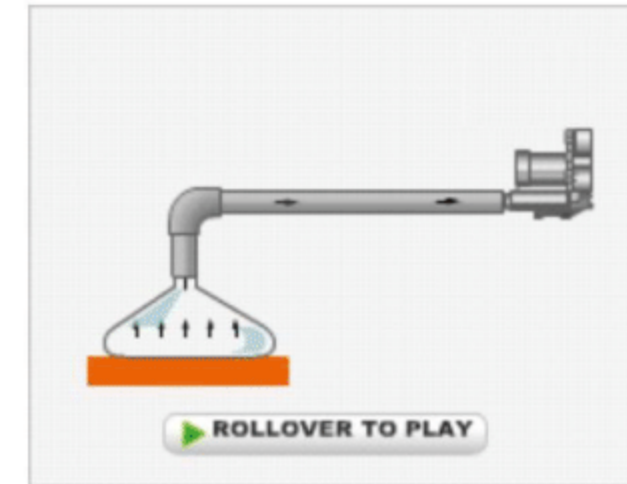
Oxygenation of aquaculture



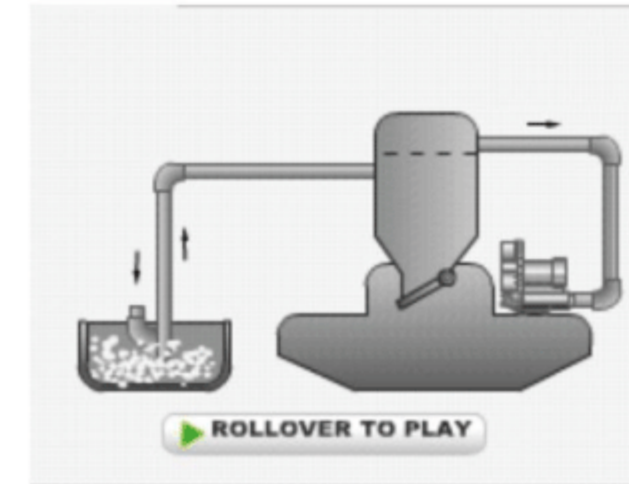
Dental suction machinery



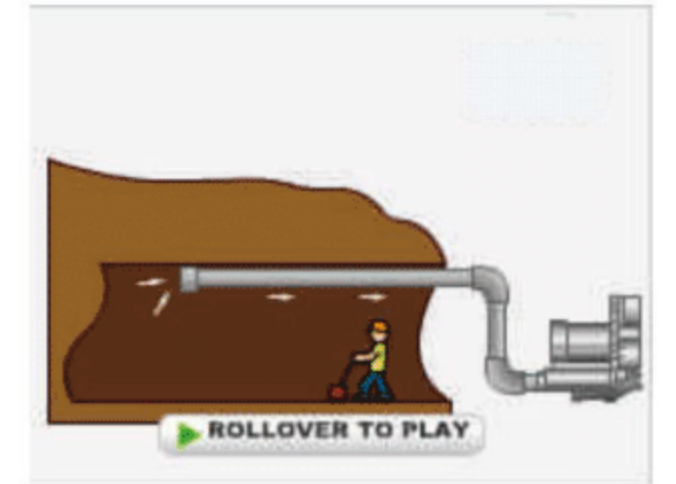
Evaporator



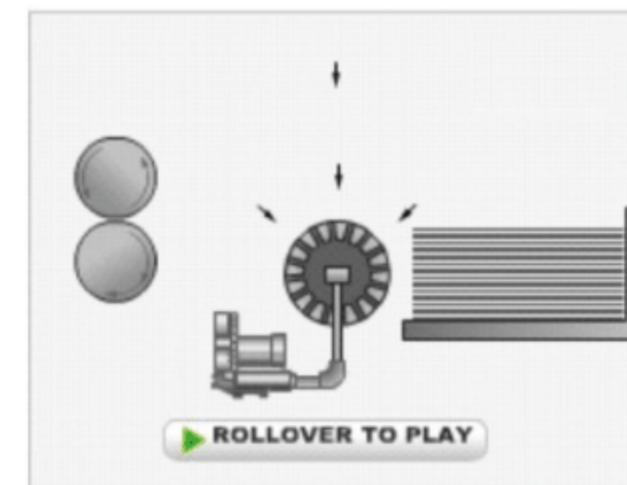
Vacuum white water recovery machinery



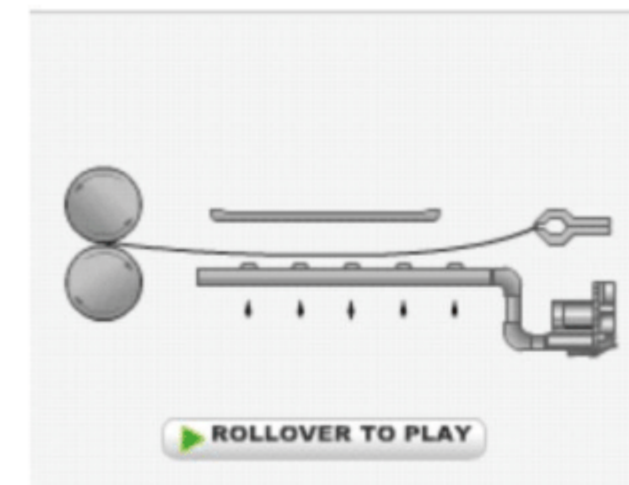
Vacuum feeder feeding system



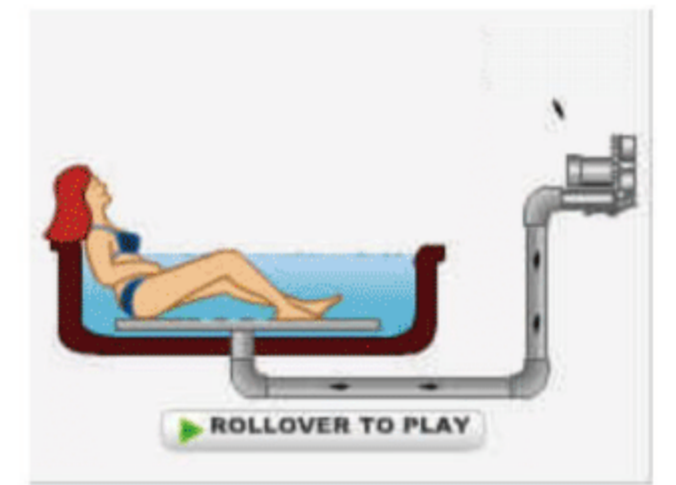
Tunnel engineering ventilation



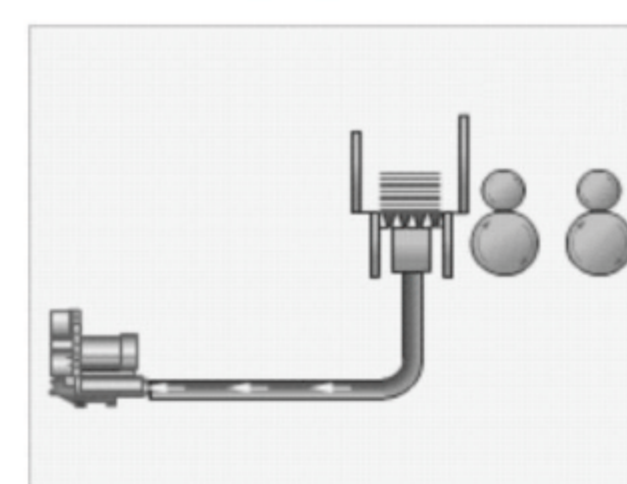
Paper adsorption conveyor



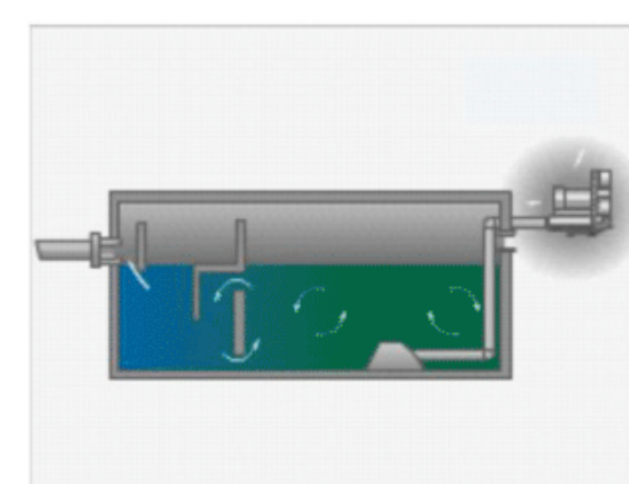
Paper moving mechanical air cushion



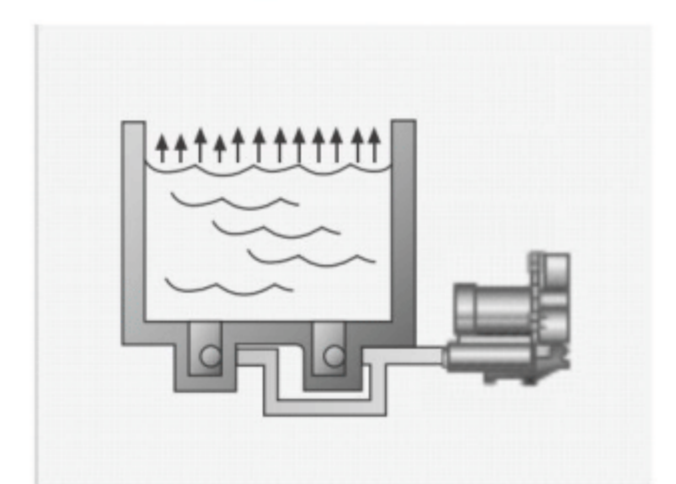
Massage bathtub



Punched-card reader



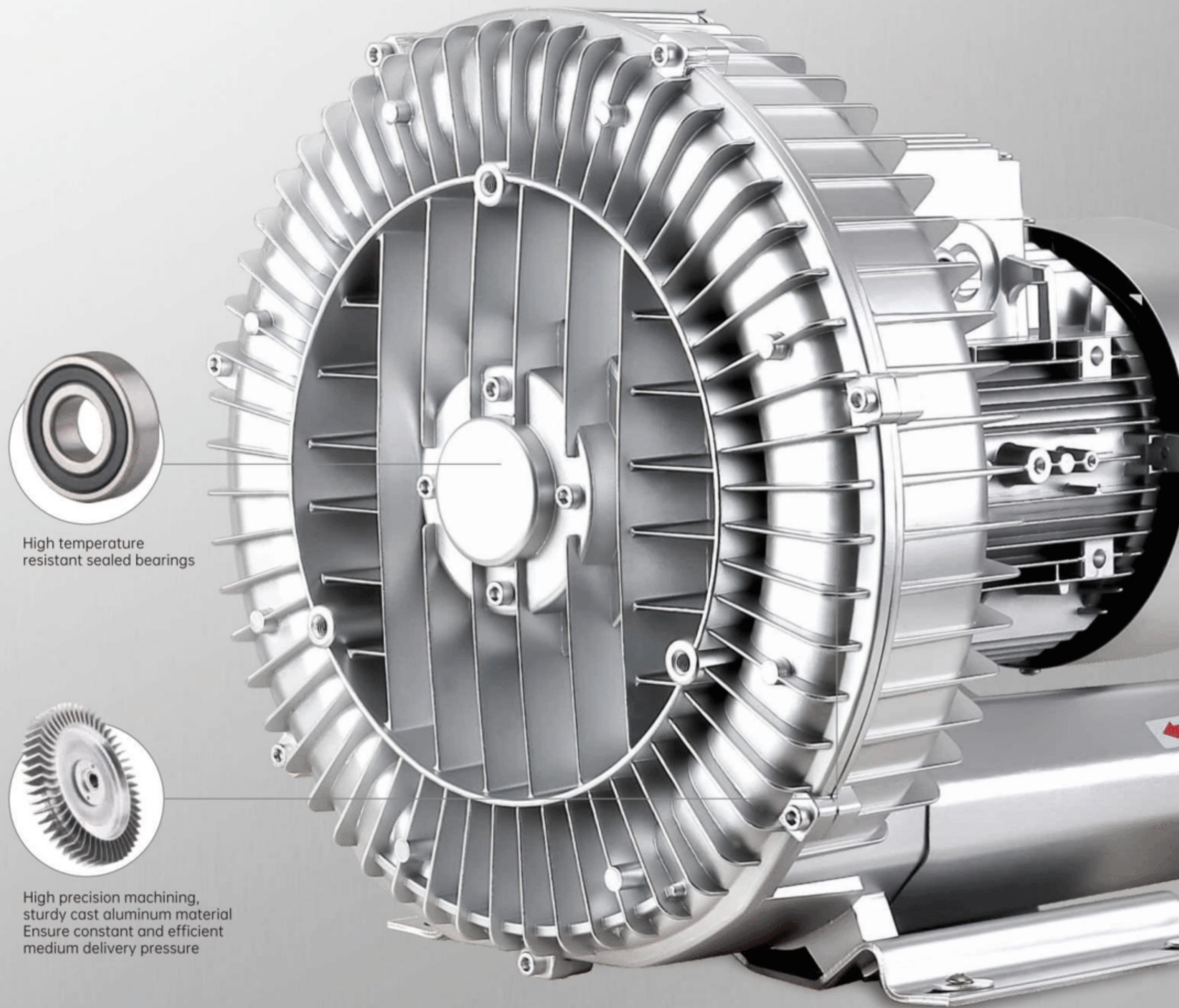
Environmental sewage treatment



Requires manure fermentation

2VT RING blower single stage

Vortex fan is a new type of fan that can be used for both blowing and inhaling. It has a compact structure, beautiful appearance, no water, no oil, light weight, and is easy to use. It is mainly used for rapier looms, water jet looms, screen printing machines, rubber forming machines, imagesetters, paper cutting machines, printing machines, injection molding machines, automatic feeding, glassware lighting production, electroplating tank liquid stirring, air dust removal, gas transmission, and aquaculture blowing oxygen, etc.



VORTECH RING BLOWER

Professional manufacturer of ring blower

Performance parameter

TYPE 2VT	Single Double	Motor parameters					Max Airflow m ³ /h	Rated Vacuum mbar	Rated Compress mbar	Noises dB(A)	Weight Kg
		Frequency	Power	Voltage		Current					
		Hz	KW	V		A					
2VT-210-H06	single	50	0.25	200-240△	345-415Y	2.1△/1.2Y	80	-100	110	53	8
		60	0.29	220-275△	380-480Y	2.0△/1.15Y	98	-110	110	56	
2VT-210-H16	single	50	0.4	200-240△	345-415Y	2.6△/1.5Y	80	-120	130	53	10
		60	0.5	220-275△	380-480Y	2.6△/1.5Y	98	-150	160	56	
2VT-310-H06	single	50	0.55	200-240△	345-415Y	2.8△/1.6Y	100	-110	120	55	11
		60	0.63	220-275△	380-480Y	3.0△/1.7Y	140	-110	120	57	
2VT-310-H16	single	50	0.7	200-240△	345-415Y	3.8△/2.2Y	100	-150	150	55	12
		60	0.83	220-275△	380-480Y	3.8△/2.2Y	140	-150	140	57	
2VT-410-H06	single	50	0.7	200-240△	345-415Y	3.8△/2.2Y	145	-120	120	63	13
		60	0.83	220-275△	380-480Y	3.75△/2.15Y	175	-140	140	64	
2VT-410-H16	single	50	0.85	200-240△	345-415Y	4.0△/2.3Y	145	-160	160	63	15
		60	0.95	220-275△	380-480Y	3.85△/2.25Y	175	-160	160	64	
2VT-410-H26	single	50	1.3	200-240△	345-415Y	5.7△/3.3Y	145	-170	200	63	16
		60	1.5	220-275△	380-480Y	6.0△/3.5Y	175	-210	220	64	
2VT-510-H06	single	50	0.85	200-240△	345-415Y	4.2△/2.3Y	210	-110	100	64	18
		60	0.95	220-275△	380-480Y	4.0△/2.3Y	255	-80	70	70	
2VT-510-H16	single	50	1.3	200-240△	345-415Y	5.7△/3.3Y	210	-170	170	64	20
		60	1.5	220-275△	380-480Y	5.7△/3.3Y	255	-150	140	70	
2VT-510-H26	single	50	1.6	200-240△	345-415Y	7.5△/4.3Y	210	-200	190	64	21
		60	2.05	220-275△	380-480Y	7.6△/4.4Y	255	-220	210	70	
2VT-510-H36	single	50	2.2	200-240△	345-415Y	9.7△/5.6Y	210	-220	270	64	25
		60	2.55	220-275△	380-480Y	10.3△/6.0Y	255	-260	290	70	
2VT-610-H06	single	50	1.6	200-240△	345-415Y	8.5△/4.9Y	265	-170	180	67	24
		60	2.05	220-275△	380-480Y	8.8△/5.5Y	315	-180	190	70	
2VT-610-H16	single	50	2.2	200-240△	345-415Y	9.7△/5.6Y	265	-235	220	67	27
		60	2.55	220-275△	380-480Y	10.3△/6.0Y	315	-245	230	70	
2VT-610-H26	single	50	3	200-240△	345-415Y	12.5△/7.2Y	265	-280	280	69	32
		60	3.45	220-275△	380-480Y	12.6△/7.3Y	315	-260	270	72	

Performance parameter

TYPE 2VT	Single	Motor parameters					Max Airflow	Rated Vacuum	Rated Compress	Noises	Weight
		Frequency	Power	Voltage		Current					
	Double	Hz	KW	V		A	m³/h	mbar	mbar	dB(A)	Kg
2VT-710-H06	single	50	1.6	200-240△	345-415Y	8.5△/4.9Y	318	160	150	69	26
		60	2.05	220-275△	380-480Y	8.8△/5.1Y	376	-160	150	72	
2VT-710-H16	single	50	2.2	200-240△	345-415Y	9.7△/5.6Y	318	-190	190	69	29
		60	2.55	220-275△	380-480Y	10.3△/6.0Y	376	-190	190	72	
2VT-710-H26	single	50	3	200-240△	345-415Y	12.5△/7.2Y	318	-260	270	69	34
		60	3.45	220-275△	380-480Y	12.5△/7.3Y	376	-240	230	72	
2VT-710-H37	single	50	4	345-415△	600-720Y	9.5△/5.5Y	318	-290	360	69	42
		60	4.6	380-480△	660-720Y	9.5△/5.5Y	376	-320	310	72	
2VT-810-H07	single	50	4.3	345-415△	600-720Y	9.5△/5.5Y	530	-200	200	70	54
		60	4.6	380-480△	660-720Y	9.5△/5.5Y	620	-160	160	74	
2VT-810-H17	single	50	5.5	345-415△	600-720Y	12.9△/7.4Y	530	-300	300	80	63
		60	6.3	380-480△	660-720Y	12.9△/7.45Y	620	-30	280	82	
2VT-810-H27	single	50	7.5	345-415△	600-720Y	16.7△/9.6Y	530	-320	430	80	66
		60	8.6	380-480△	660-720Y	17.3△/10.0Y	620	-350	400	82	
2VT-910-H07	single	50	8.5	345-415△	600-720Y	18.2△/10.5Y	1050	-190	190	74	93
		60	9.8	380-480△	660-720Y	18.2△/10.5Y	1250	-150	140	79	
2VT-910-H17	single	50	12.5	345-415△	600-720Y	28.0△/16.2Y	1050	-290	280	74	116
		60	14.5	380-480△	660-720Y	29.0△/16.7Y	1250	-270	260	79	
2VT-910-H27	single	50	15	345-415△	600-720Y	35.0△/20.0Y	1050	-320	380	74	120
		60	17.5	380-480△	660-720Y	36.5△/21.0Y	1250	-340	360	79	
2VT-910-H37	single	50	18.5	345-415△	600-720Y	37.0△/21.0Y	1050	-360	460	74	126
		60	21.3	380-480△	660-720Y	39.0△/22.5Y	1250	-380	420	79	

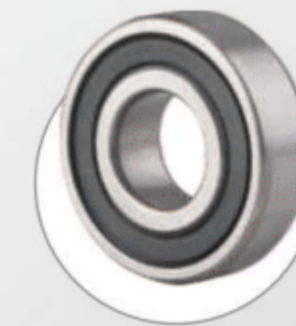
2VT RING blower double stage

Double bladed fan is an efficient and stable fan with a wide range of application scenarios. A double bladed fan consists of two opposite rotating impellers, with a silencer installed between the impellers to reduce noise. In addition, the casing of the fan is usually made of cast aluminum material for easy portability and installation.

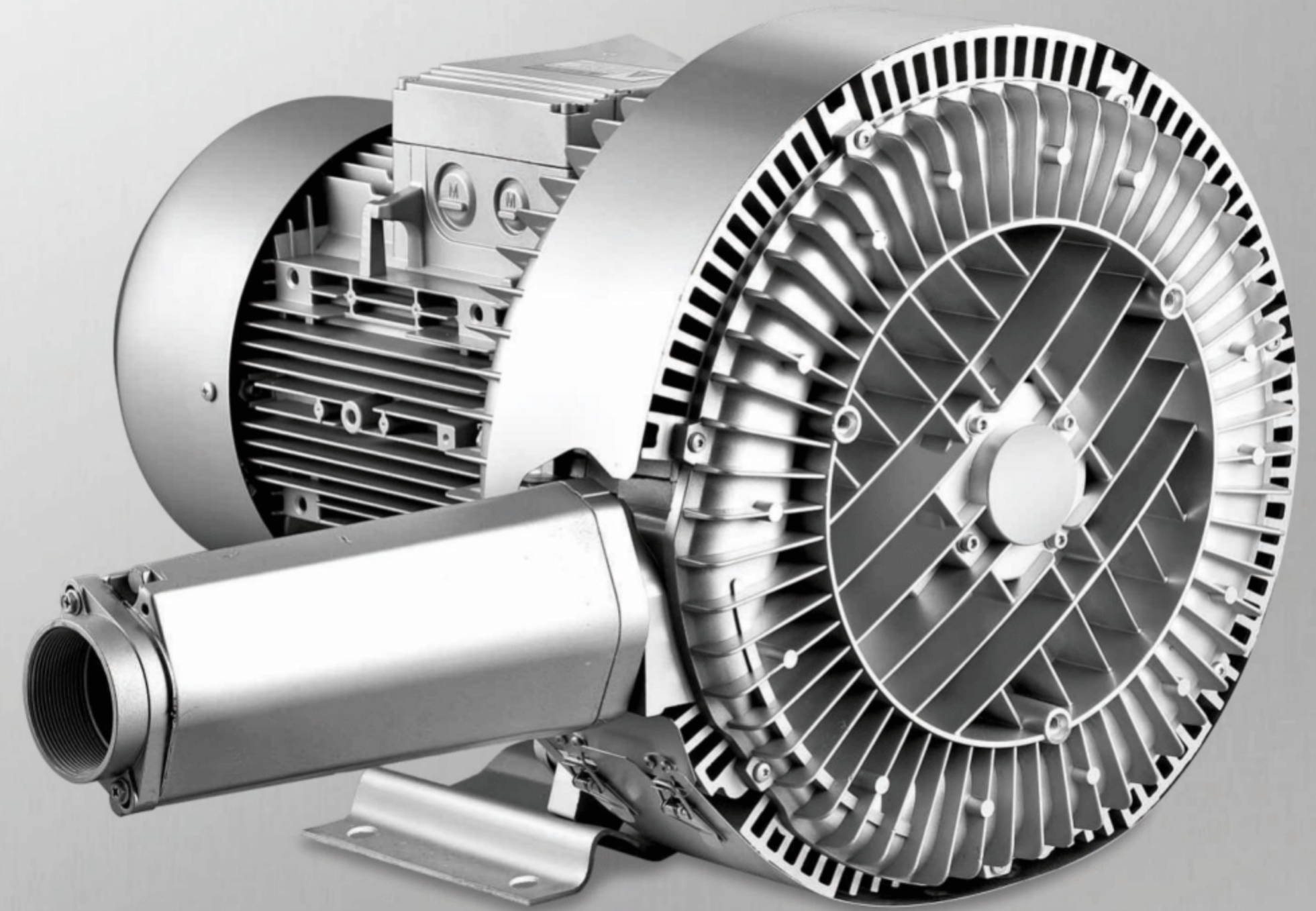
Double bladed wind turbines have high efficiency, strong wind power, stable operation, and low noise.



High precision machining, sturdy cast aluminum material Ensure constant and efficient medium delivery pressure



High temperature resistant sealed bearings



Performance parameter

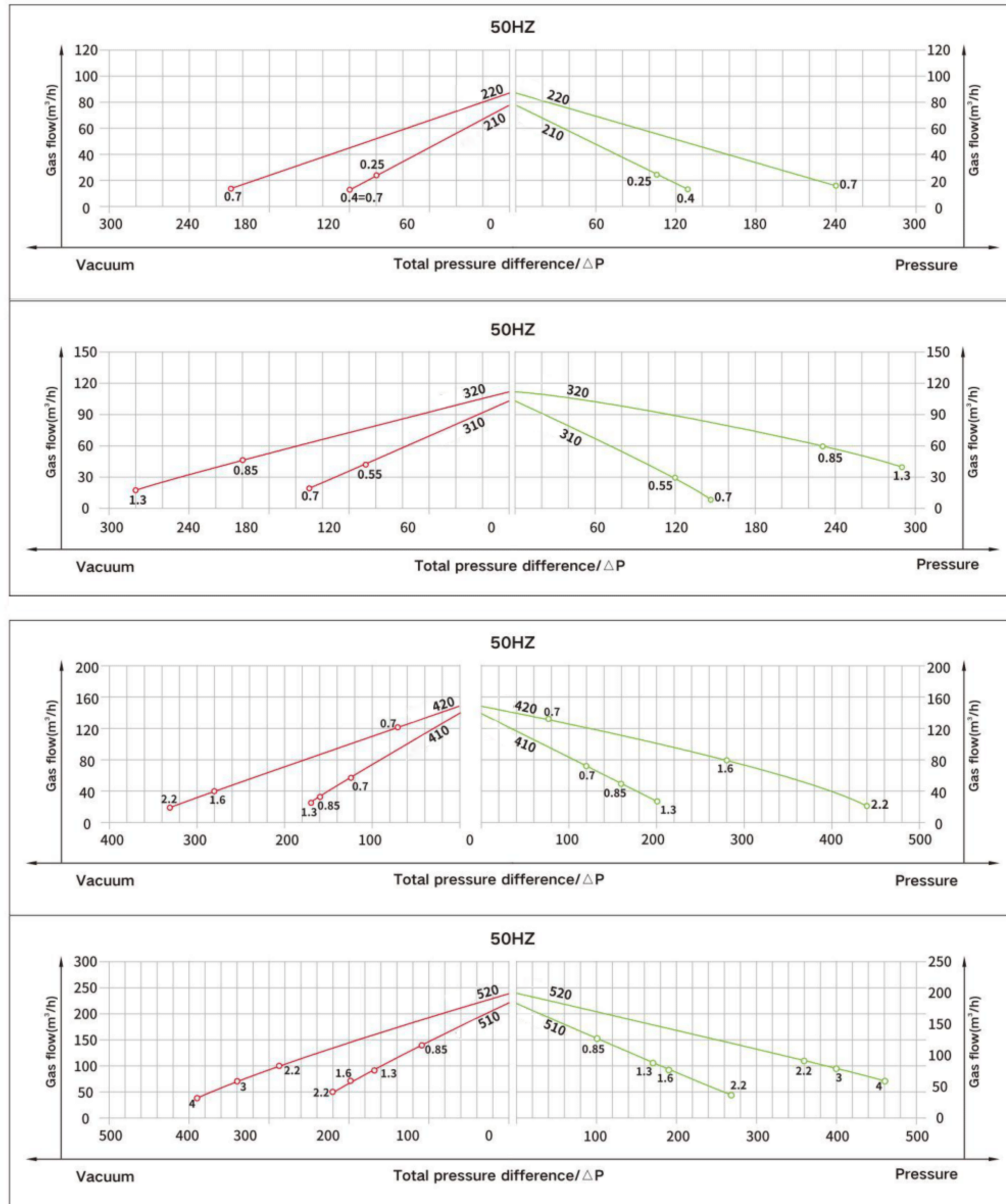
TYPE 2VT	Single Double	Motor parameters					Max Airflow m³/h	Rated Vacuum mbar	Rated Compress mbar	Noises dB(A)	Weight Kg
		Frequency	Power	Voltage		Current					
		Hz	KW	V		A					
2VT-220-H26	double	50	0.7	200-240△	345-415Y	3.8△/2.2Y	85	-210	240	55	15
		60	0.83	220-275△	380-480Y	3.75△/2.15Y	102	-250	250	61	
2VT-320-H26	double	50	0.85	200-240△	345-415Y	4.2△/2.4Y	110	-200	230	58	17
		60	0.95	220-275△	380-480Y	4.0△/2.3Y	130	-240	240	60	
2VT-320-H36	double	50	1.3	200-240△	345-415Y	5.7△/3.3Y	110	-280	290	58	18
		60	1.5	220-275△	380-480Y	6.0△/3.5Y	130	-300	400	60	
2VT-420-H36	double	50	1.6	200-240△	345-415Y	7.5△/4.3Y	150	-280	280	66	25
		60	2.05	220-275△	380-480Y	7.6△/4.4Y	180	-320	310	69	
2VT-420-H46	double	50	2.2	200-240△	345-415Y	9.7△/5.6Y	150	-330	420	66	27
		60	2.55	220-275△	380-480Y	10△/5.8Y	180	-350	440	69	
2VT-520-H36	double	50	2.2	200-240△	345-415Y	9.7△/5.6Y	230	-290	360	72	35
		60	2.55	220-275△	380-480Y	10.3△/6.0Y	275	-350	330	74	
2VT-520-H46	double	50	3	200-240△	345-415Y	12.5△/7.2Y	230	-340	410	72	39
		60	3.45	220-275△	380-480Y	12.6△/7.3Y	275	-380	360	74	
2VT-520-H57	double	50	4	345-415△	600-720Y	9.5△/5.5Y	230	-390	440	72	44
		60	4.6	380-480△	660-720Y	9.5△/5.5Y	275	-410	480	74	
2VT-720-H16	double	50	2.2	200-240△	345-415Y	9.7△/5.6Y	320	-220	210	73	42
		60	2.55	220-275△	380-480Y	10.3△/6.0Y	380	-170	150	76	
2VT-720-H26	double	50	3	200-240△	345-415Y	12.5△/7.2Y	320	-280	260	73	47
		60	3.45	220-275△	380-480Y	12.6△/7.3Y	380	-230	200	76	
2VT-720-H37	double	50	4	345-415△	600-720Y	10.0△/5.8Y	320	-360	380	73	53
		60	4.6	380-480△	660-720Y	10.4△/6.0Y	380	-350	320	76	

Performance parameter

TYPE 2VT	Single Double	Motor parameters					Max Airflow m³/h	Rated Vacuum mbar	Rated Compress mbar	Noises dB(A)	Weight Kg
		Frequency	Power	Voltage		Current					
		Hz	KW	V		A					
2VT-720-H47	double	50	5.5	345-415△	600-720Y	13.3△/7.7Y	320	-440	500	73	70
		60	6.3	380-480△	660-720Y	13.3△/7.7Y	380	-440	500	76	
2VT-720-H57	double	50	7.5	345-415△	600-720Y	16.7△/9.6Y	320	-440	570	73	77
		60	8.6	380-480△	660-720Y	17.3△/10.0Y	380	-460	660	76	
2VT-820-H17	double	50	5.5	345-415△	600-720Y	13.3△/7.7Y	520	-250	240	74	83
		60	6.3	380-480△	660-720Y	13.3△/7.7Y	620	-170	160	78	
2VT-820-H27	double	50	7.5	345-415△	600-720Y	16.7△/9.6Y	520	-400	400	74	88
		60	8.6	380-480△	660-720Y	17.3△/10.0Y	620	-360	330	78	
2VT-820-H37	double	50	11	345-415△	600-720Y	28.0△/16.2Y	520	-430	600	74	104
		60	12.6	380-480△	660-720Y	29.0△/16.7Y	620	-460	6	78	
2VT-820-H47	double	50	15	345-415△	600-720Y	32.5△/18.8Y	520	-460	670	74	120
		60	17.3	380-480△	660-720Y	34.5△/19.9Y	620	-490	750	78	
2VT-920-H17	double	50	12.5	345-415△	600-720Y	28.0△/16.2Y	1110	-300	270	74	187
		60	14.5	380-480△	660-720Y	29.0△/16.7Y	1310	-220	200	78	
2VT-920-H27	double	50	16.5	345-415△	600-720Y	35.0△/20.0Y	1110	-410	370	74	197
		60	19	380-480△	660-720Y	36.5△/21.0Y	1310	-340	300	78	
2VT-920-H37	double	50	20	345-415△	600-720Y	40.0△/23.0Y	1110	-440	500	74	204
		60	23	380-480△	660-720Y	42.0△/24.2Y	1310	-440	430	78	
2VT-920-H47	double	50	25	345-415△	600-720Y	52.0△/30.0Y	1110	-440	590	74	211
		60	29	380-480△	660-720Y	52.0△/30.0Y	1310	-440	540	78	

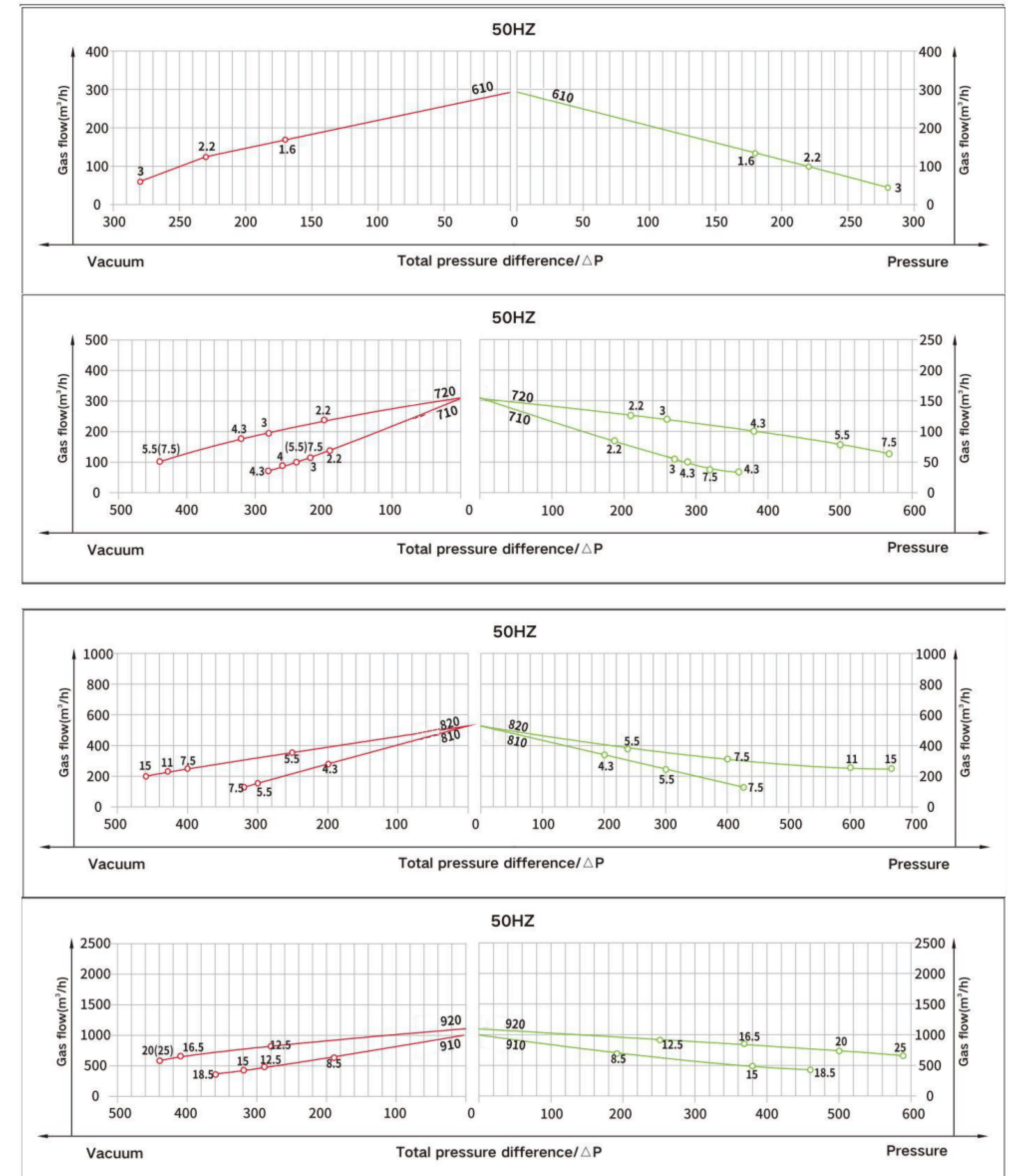
Vacuum compression selection curve

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.



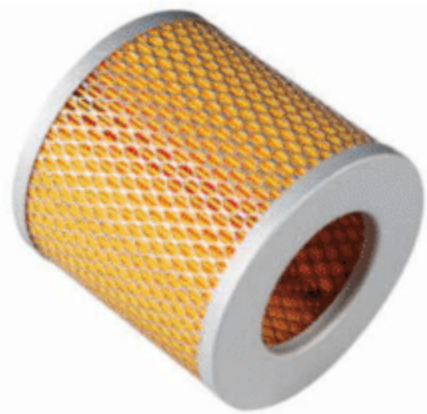
Vacuum compression selection curve

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.



Accessories Series

Filter Bucket



Filter element

By gas temperature -15~90 °C

Filtering accuracy of 99%
(5 micron particles)



Vacuum dust collection filter barrel



Complete picture of accessories



Sealing cover+filter barrel

VORTECH RING BLOWER

Professional manufacturer of ring blower

Accessories Series

Pressure relief valve



RV-01/0-300MBAR
Relief valve



0-600MABR
Aluminum alloy pressure relief valve



Dimensions of plastic pressure relief valves



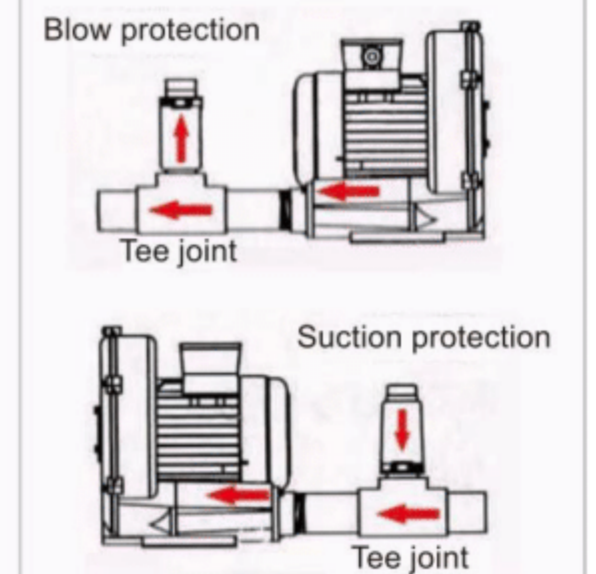
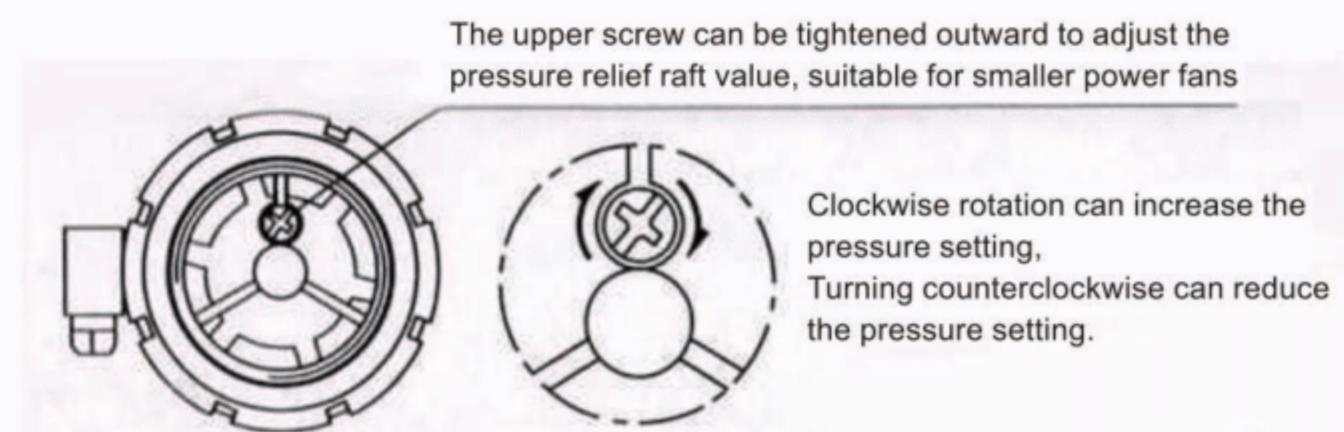
Type	Caliber	Length	Pressure range	Material
RV-01	40mm	140mm	0~300mbar	Plastics
RV-02	40mm	140mm	300~600mbar	Plastics

Dimensions of aluminum alloy pressure relief valves



Type	Caliber	Length	Pressure range	Material
RV1.25AL	40mm	150mm	0~600mbar	Aluminum alloy

Method of use for plastic pressure relief valves

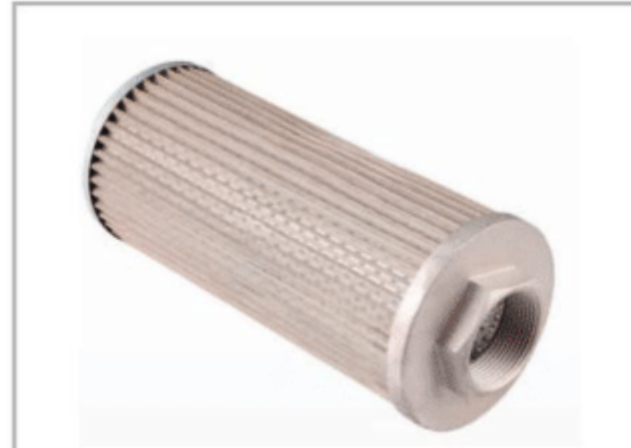


Accessories Series

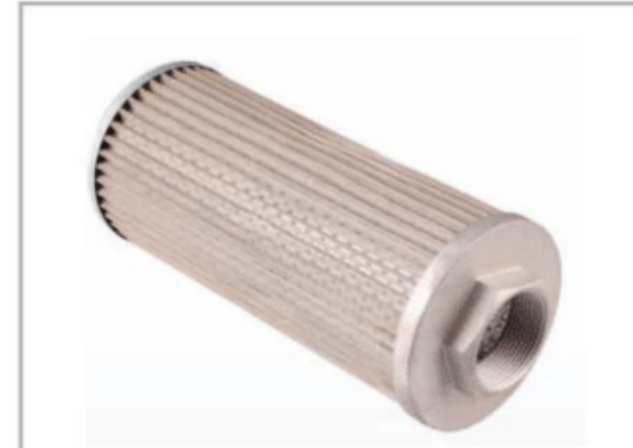
Filter



Filter 2.5 inches



Filter 2 inches



Filter 1.5 inches



Filter 1.2 inches



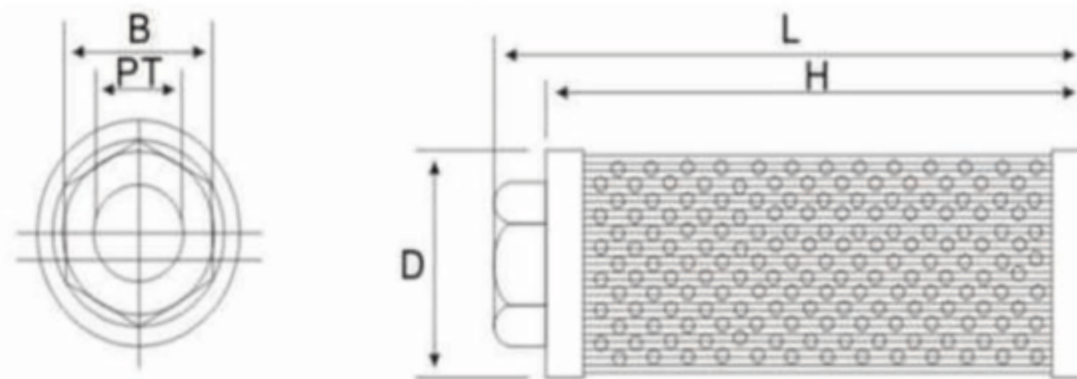
Filter 4 inches

The filter needs to be paired with a double wire connector to be connected to the 100 mesh filter screen of the fan air duct, which can filter dust with a particle size of over 150 microns. The basic dust-free effect is achieved, ensuring the internal cleanliness of the fan. Additionally, some noise reduction and vibration reduction effects are added, effectively extending the service life of the fan. The threaded joints are easy to disassemble and clean.

MF type filter

Material: aluminum alloy+steel wire mesh

Filter density: 100 mesh



TYPE	thread	D mm	L mm	H mm	B mm	filtration mm	flow mm	weight mm
MF-10/1.2寸	1 1/4"	71	186	170	54	100	210	0.35
MF-12/1.5寸	1 1/2"	85	196	182	65	100	285	0.49
MF-16/2寸	2"	103	215	202	75	100	395	0.65
MF-20/2.5寸	2 1/2"	148	274	252	97	100	750	1.20
MF-32/4寸	4"	208	380	357	142	100	1000	2.45

VORTECH RING BLOWER

Professional manufacturer of ring blower

Accessories Series

Silencer



(76mm)
Silencer 2.5 inches



(48mm)
Silencer 1.5 inches



(40mm)
Silencer 1.2 inches



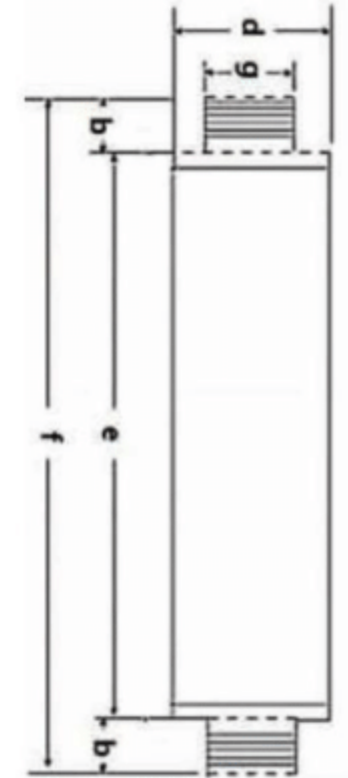
(60mm)
Silencer 2 inches



(113mm)
Silencer 4 inches

The actual test reduced the noise by 15-25 decibels, and the use of this silencer in the vortex pump was not completely silent (the noise generated by the compressed air from the motor and impeller was not eliminated). The silencer is made of 201 stainless steel, and the default model is spot welding without complete airtightness. If full welding is required for customization, an additional 15 yuan/piece is required, and the customized delivery time is 2-3 days. The metal muffler mesh and sound-absorbing cotton inside the muffler can withstand a temperature of 120 degrees Celsius and cannot be used for high-temperature gases.

Silencer specifications	Thread diameter (g) (G)	Outer diameter (d) (mm)	Simple length (e) (mm)	Tooth length (b) (mm)	Total length (mm)
1.2寸	1 1/4"	76	200	30	260
1.5寸	1 1/2"	89	250	35	320
2寸	2"	102	300	40	380
2.5寸	2 1/2"	133	500	45	590
3寸	3"	159	500	45	590
4寸	4"	159	500	50	600



The fan silencer is mainly used to reduce the aerodynamic noise of various centrifugal fans, blowers, axial flow fans, Roots fans, and other air outlets, air ducts, and enclosed machine room air intakes. Fan silencers are suitable for blower silencers used in ventilation ducts. Fans are a universal mechanical equipment with a wide range of applications, and production in various industries such as power, mining, machinery, metallurgy, and chemical engineering cannot be separated from fans. The noise generated by fans during operation often becomes a source of harm to workers' health and the environment. Especially for fans located near living areas, the aerodynamic noise emitted by their inlet and outlet is the main factor polluting the environment, forming a public hazard. It has become one of the main targets of noise pollution control in China's industrial sector in recent years. The fan muffler series products are used to control the aerodynamic noise caused by fans to the environment, and are used for silencing various types of centrifugal and ventilation fan inlet and outlet ducts.