



G.P.T.CO

GOL PUMPS TECHNOLOGY INC

BLOWER PUMP VORTEX GAS PUMP

PRODUCT CATALOG



RoHS

ISO9001:2000





HIGH PRESSURE VORTEX BLOWER (GAS Pump)

Made by Aluminum alloy

Small body, small weight

High pressure and Oil free

The ring blower (Side Channel Vacuum Pump, Gas Pump, Air Blower) made by aluminum alloy, that make it small body and light weight.

Blower blades operate without coming into contact with the pump casing and with each other.

Therefore, the blades do not require lubrication. Since the system only operates with air or gas, the environment remains clean. For this reason, blowers provide a big advantage in chemical applications, aquaculture, pneumatic transfer applications, mining and treatment plants, which require a clear gas flow. Single-stage blowers can operate within the ranges of 35-1700 m³/h flow rate and 0-450 mbar pressure.

The products are widely used for clothes, printing, paper making, aquiculture, liquid waste disposing, adding oxygen, photoengraving, industry absorbing, heliograph, powder and grain feeding, works scene, etc.

The motors are designed according to the DIN EN 60034 / DIN IEC 34-1 and temperature class is F. For the three phase machines the tolerances are $\pm 10\%$ for fixed voltage and $\pm 5\%$ for voltage range. The single phase machines are designed with a $\pm 5\%$ tolerances.

If only 90 % of the maximum allowed pressure will be used for the continuous operating then the allowed voltage range adds to $\pm 10\%$. For all single and three phase machines which designed according to the CE Standard (110 V, or 220 V for single phase and 220 V / 380 V for three phases) the maximum allowed voltage tolerances are $\pm 10\%$ resp.

The frequency working is 50Hz or 60 HZ

Applications :

1. Aquaculture (fish and prawn pond aeration)
2. Waste water treatment, sewage treatment system.
3. Pneumatic conveying systems.
4. Lifting and holding of parts by vacuum.
5. Packing machines.
6. Filling of bags/bottles/hoppers.
7. Soil remediation
8. Food processing.
9. Laser printers
10. Dental suction equipment.
11. Paper processing.
12. Gas analysis.
- 13-Vacuum Application.





HIGH PRESSURE VORTEX AIR PUMP



GP1 210 - 250



GP1 210 - 370



GP1 310 - 550



GP1 410 - 750



GP3 510 - 1100
GP3 510 - 1100 S



GP3 510 - 1500



GP3 610 - 2200 S



GP3 610 - 2200
GP3 610 - 2200 S



GP3 710 - 3000 S



GP3 710 - 4000 S



GP3 810 - 3000 S



GP3 810 - 4000 S



GP3 810 - 5500



GP3 810 - 7500 S



HIGH PRESSURE VORTEX AIR PUMP

Technical Specifications 50 HZ

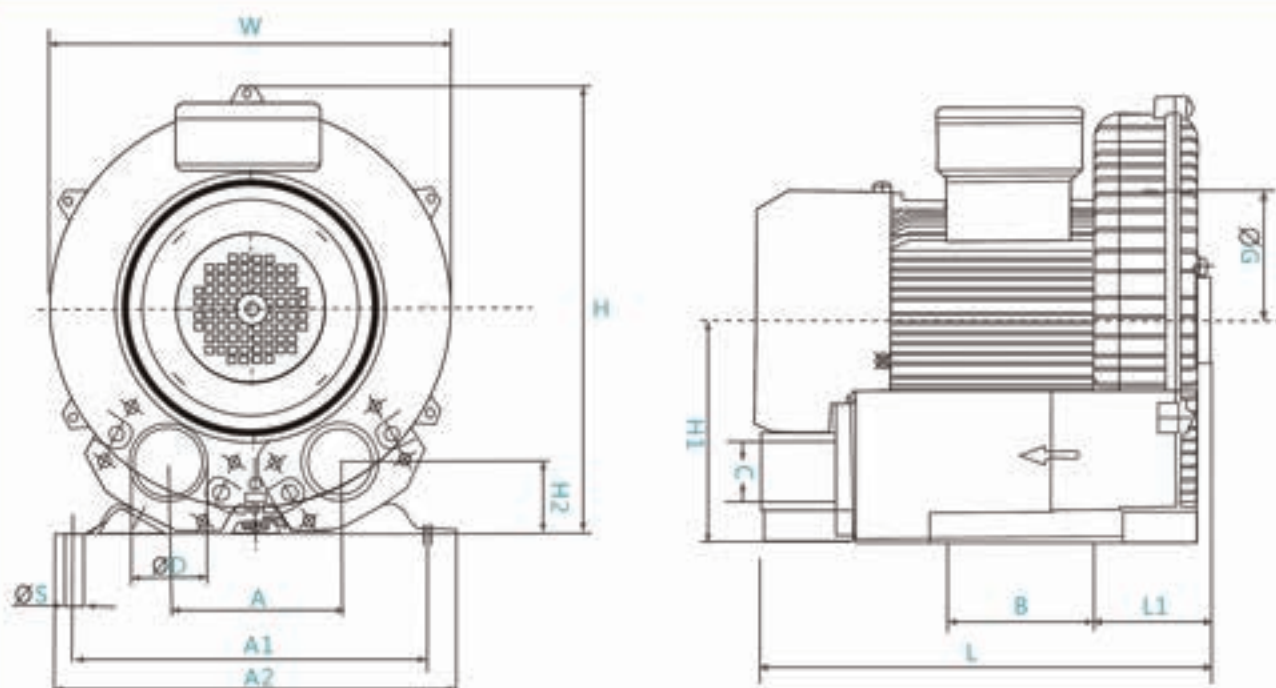
GOL PUMP MODEL	Phase	Rated voltage	Frequency	Rated current	Max.pressure	Max.flow	Max.vacuum	Power	Speed	Noise	N.M	G.W	Packing volume
		V	Hz	A	Kpa	m ³ /h	Kpa	KW	r/min	dB	KG	KG	CM
GP1-510-1100	Single Phase	220	50	8.7	30	170	22	1.1	2800	<60	23	24.7	17×17×38
GP1-510-1500	Single Phase	220	50	11.8	33	180	24	1.5	2800	<60	23.4	28	17×17×38
GP1-710-2200	Single Phase	220	50	17.3	36	230	26	2.2	2800	<70	29	31.5	42×42×42
GP3-210-370	Three Phases	Δ 220 Y 380	50	1.55 - 1.05	16	65	10	0.37	2800	<56	11	11.7	31×28×28
GP3-310-550	Three Phases	Δ 220 Y 380	50	2.51 - 1.45	22	90	16	0.55	2800	<60	12.6	14.1	32×31×30
GP3-410-750	Three Phases	Δ 220 Y 380	50	3.13 - 1.81	25	120	18	0.75	2800	<60	12.6	14.1	32×31×30
GP3-510-1100S	Three Phases	Δ 220 Y 380	50	4.36 - 2.52	30	178	22	1.1	2800	<60	21.5	22.9	37×37×38
GP3-510-1500S	Three Phases	Δ 220 Y 380	50	5.96 - 3.44	33	180	24	1.5	2800	<60	22.5	26	37×37×38
GP3-610-2200S	Three Phases	Δ 220 Y 380	50	8.21 - 4.75	36	230	26	2.2	2800	<70	27	29.5	40×40×40
GP3-710-2200S	Three Phases	Δ 220 Y 380	50	8.21 - 4.75	36	230	26	2.2	2800	<70	29	31.5	42×42×42
GP3-710-3000S	Three Phases	Δ 220 Y 380	50	11.07 - 6.39	38	240	27	3	2800	<70	35	37.5	43×44×44
GP3-710-4000S	Three Phases	Δ 220 Y 380	50	14.15 - 8.7	40	250	33	4	2800	<70	37	40	43×44×44
GP3-810-3000S	Three Phases	Δ 220 Y 380	50	11.07 - 6.39	38	240	27	3	2800	<70	44	51	46×46×50
GP3-810-4000S	Three Phases	Δ 220 Y 380	50	14.15 - 8.7	40	250	33	4	2800	<70	47	54	46×46×50
GP3-810-5500S	Three Phases	Δ 220 Y 380	50	19.23 - 11.1	45	410	33	5.5	2800	<70	62	71	48×50×52
GP3-810-7500S	Three Phases	Δ 220 Y 380	50	25.98 - 15	50	450	36	7.5	2800	<70	65	74	48×50×52

Technical Specifications 60 HZ

GOL PUMP MODEL	Phase	Rated voltage	Frequency	Rated current	Max.pressure	Max.flow	Max.vacuum	Power	Speed	Noise	N.M	G.W	Packing volume
		V	Hz	A	Kpa	m ³ /h	Kpa	KW	r/min	dB	KG	KG	CM
GP1-210-250	Single Phase	110	60	3	14	57	10	0.3	3400	<56	10.6	11.2	31×28×28
GP1-210-370	Single Phase	110	60	4.2	19	70	13	0.44	3400	<56	11	11.7	31×28×28
GP1-310-550	Single Phase	110	60	5.8	24	110	17.5	0.66	3400	<60	12.6	14.1	32×31×30
GP1-410-750	Single Phase	110	60	7.5	28	132	19	0.9	3400	<60	12.6	14.1	32×31×30
GP1-510-1100	Single Phase	220	60	10.5	30	245	24	1.3	3400	<60	23	24.7	37×37×38
GP1-510-1500	Single Phase	220	60	14.16	31	255	25	1.8	3400	<60	23.4	28	37×37×38
GP1-710-2200	Single Phase	220	60	20.5	43	365	33	2.6	3400	<70	29	31.5	42×42×42
GP3-210-250	Three Phases	220	60	1.68	14	57	10	0.3	3400	<56	10.6	11.2	31×28×28
GP3-210-370	Three Phases	220	60	2.11	19	70	13	0.44	3400	<56	11	11.7	31×28×28
GP3-310-550	Three Phases	220	60	3.01	24	132	19	0.66	3400	<60	12.6	14.1	32×31×30
GP3-410-750	Three Phases	220	60	4.1	28	132	20	0.9	3400	<60	12.6	14.1	32×31×30
GP3-510-1100S	Three Phases	220	60	5.88	30	245	24	1.3	3400	<60	21.5	22.9	37×37×38
GP3-510-1500S	Three Phases	220	60	8.2	31	255	25	1.8	3400	<60	22.5	26	37×37×38
GP3-610-2200S	Three Phases	220	60	11.8	41	340	31	2.6	3400	<70	27	29.5	40×40×40
GP3-710-2200S	Three Phases	220	60	11.8	43	365	33	2.6	3400	<70	29	31.5	42×42×42
GP3-710-3000S	Three Phases	220	60	16.38	44	375	34	3.6	3400	<70	35	37.5	43×44×44
GP3-710-4000S	Three Phases	220	60	16.97	45	385	35	4.8	3400	<70	37	40	43×44×44
GP3-810-3000S	Three Phases	220	60	16.38	44	475	34	3.6	3400	<70	44	51	46×46×50
GP3-810-4000S	Three Phases	220	60	16.97	45	525	35	4.8	3400	<70	47	54	46×46×50
GP3-810-5500S	Three Phases	220	60	23.21	50	616	38	6.6	3400	<70	62	71	48×50×52
GP3-810-7500S	Three Phases	220	60	34.19	52	640	42	9	3400	<70	65	74	48×50×52



Dimension Diagram



MODE	Size						
gol pumps code	L	W	H	H1	H2	A	A1
GP-210-250	260	246	247	120	37	90	205
GP-210-370	260	246	247	120	37	90	205
GP-310-550	277	268	272	155	47	93	205
GP-410-750	300	286	302	165	58	111	225
GP-510-1100	325	335	340	190	61.5	115	270
GP-510-1500	325	335	340	190	61.5	115	270
GP-610-2200S	350	362	365	192	61	120	290
GP-710-2200	377	382	385	192	56	125	290
GP-710-3000S	377	382	385	192	56	125	290
GP-710-4000S	377	382	385	192	56	125	290
GP-810-3000S	402	408	410	210	56	140	313
GP-810-4000S	435	418	470	237	110	143	315
GP-810-5500S	475	446	480	250	118	148	360
GP-810-7500S	475	446	480	250	118	148	360



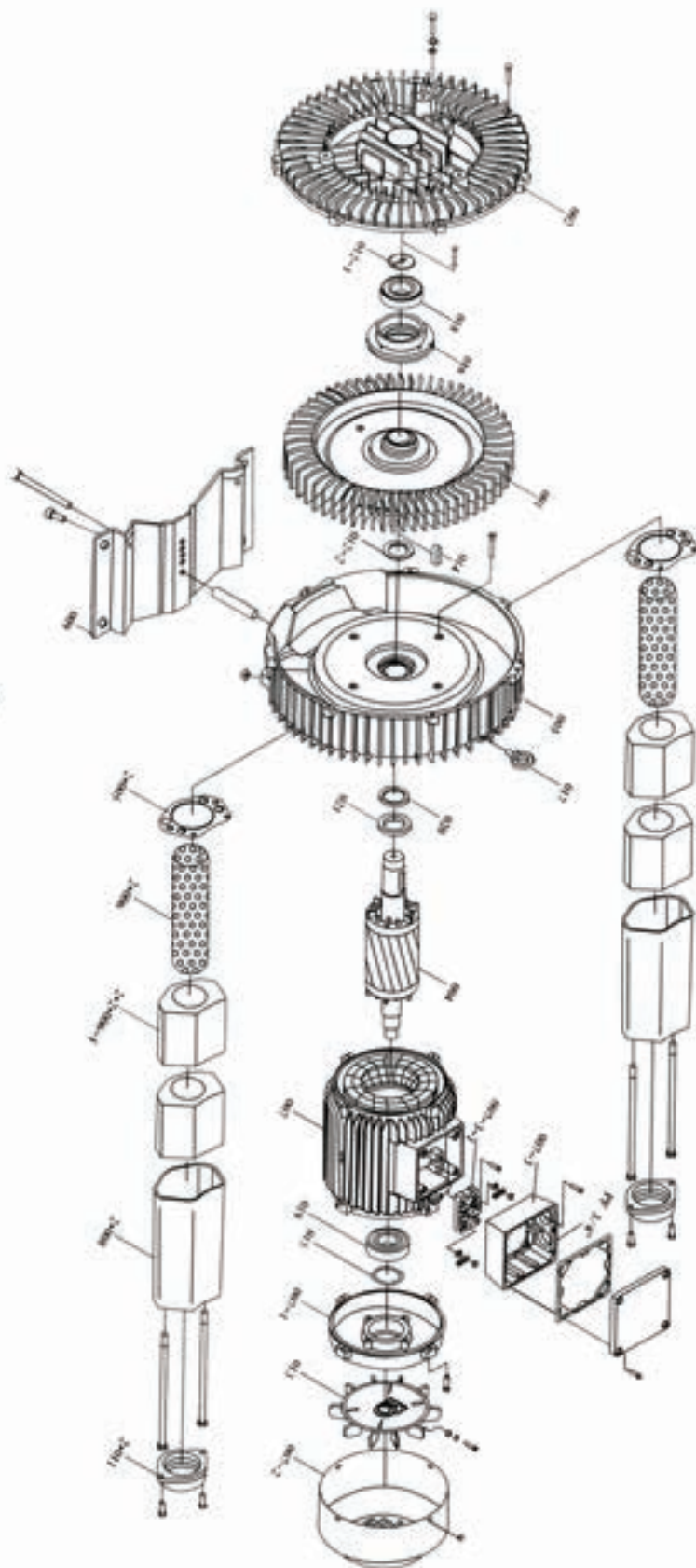
DIMENSION DIAGRAM

MODE	Size						
gol pumps code	A2	L1	B	G	D	S	C
GP-210-250	235	62	83	φ 140	φ 49	8.5	G 1/4
GP-210-370	235	62	83	φ 140	φ 49	8.5	G 1 1/4
GP-310-550	265	66	83	φ 162	φ 49	12	G 1 1/4
GP-410-750	265	80	95	φ 173	φ 50	12	G 1 1/2
GP-510-1100	300	30	140	φ 200	φ 60	14	G 2
GP-510-1500	300	30	140	φ 200	φ 60	14	G 2
GP-610-2200S	326	95	140	φ 246	φ 60	14	G 2
GP-710-2200	326	103	140	φ 256	φ 60	14	G 2
GP-710-3000S	326	103	140	φ 256	φ 60	14	G 2
GP-710-4000S	326	103	140	φ 256	φ 60	14	G 2
GP-810-3000S	345	103	140	φ 256	φ 60	14	G 2
GP-810-4000S	330	113	185	φ 280	φ 76	14	G 2 1/2
GP-810-5500S	415	100	170	φ 288	φ 76	15	G 2 1/2
GP-810-7500S	415	100	170	φ 288	φ 76	15	G 2 1/2



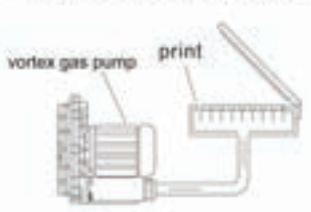
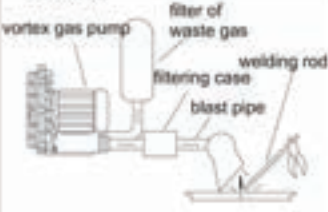
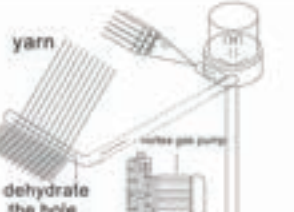
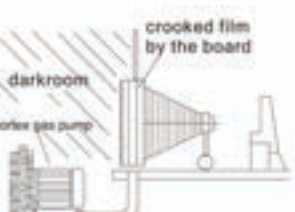
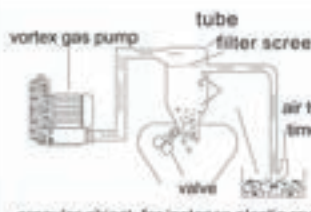
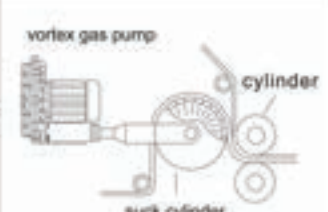
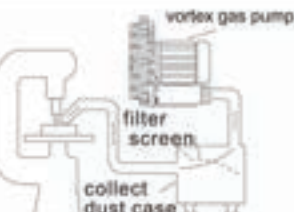
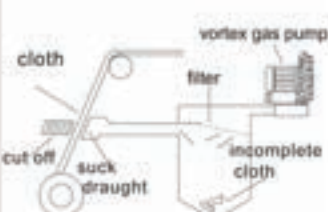
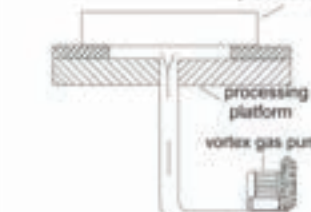
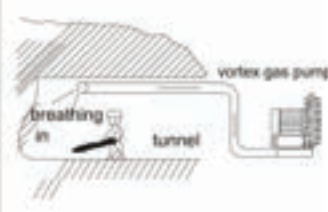
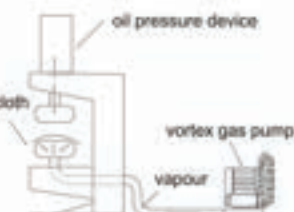
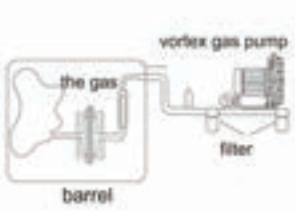


- 001. (Wind leaf)
- 002. (wind cover)
- 003. (wind barrel)
- 004. (rotor)
- 005. (foot in charge of spacer)
- 006. (disappear sound iron network)
- 006-1. (disappear sound sponge)
- 007. (motor)
- 007-1. (the back cover of the motor)
- 007-2. (Heat dissipation iron cover)
- 007-3. (terminal box & cover/wiring board)
- 007-3-1. (wiring board)
- 008. (foot tube)
- 009. (foot base)
- 011. (PF 2"- out/enter tooth hole)
- 012-1. (spacer 4mm)
- 012-2. (t =2.5mm-spacer)
- 013. (18pp - heat dissipation leaf)
- 014. (8*10*30 key)
- 015. (wave spacer)
- 016. (Bearing cover)
- 017. (rings M8)
- 018. (Bearing)
- 019. (Bearing)
- 020. (Seal-cotton)
- 021. (Oil seal)

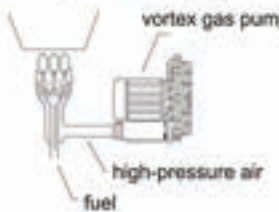
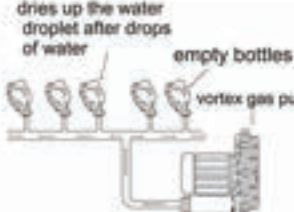
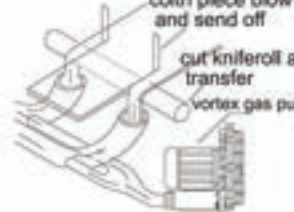
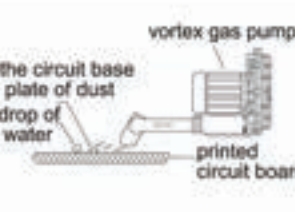
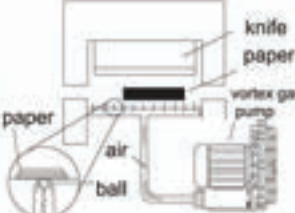
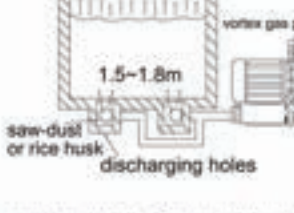
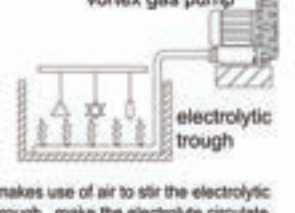
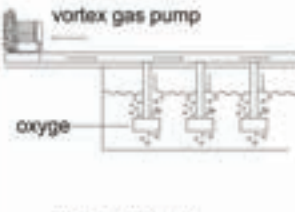
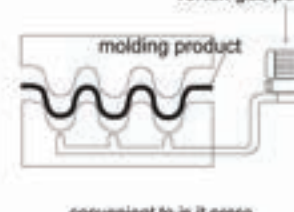
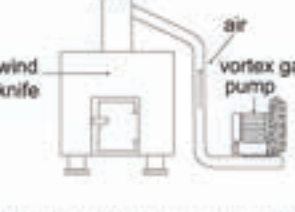
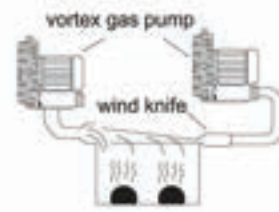
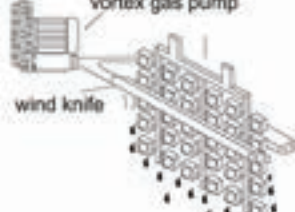




Other Application

The sucking of the printing machine of network edition  printed matter utilize the pressure of sucking to be regular, in order to make it easy for print.	Eject the exhaust gas and dust produced while welding drawing  vacuum way is arranged to the elsewhere, ensure operators to be healthy.	The weave cotton machine suck silk  absorb the moisture content and regular end of a thread, improve the quality and efficiency of the products.	Photo-engraving  make use of vacuum suction to keep films, make it smooth, is suitable for photo-engraving industry.
The powder body transports  granular object, for instance plastic raw materials, etc., can make use of the atmospheric pressure (blows) or the vacuum suction to accomplish the task of sending.	Print suck  vacuum suck printing paper is it transfer by molding.	Industry hoover  in the factory for bits platform of remaining etc., it is the all right it have Fig. it have the clean the ways.	Vacuum dehydrate  the paper pulp dehydrates, pollution dehydrates, the cloth dehydrates etc.
Make books machine  cut off books when keep sucking.	Incomplete cloth deal with  cloth cutting treatment	Ox milk paper carton filling machine  ox milk vacuum that box is fill attract and utilize.	Bean curd machinery  tracting the soybean wheel to give, clean and use to cleaning the trough.
Keeping processing  block of processing thing, plastic, etc. using regularly for some un-magnetism object's fixing.	Defence works scene  for remove the part of the tunnel and narrow and small part's dust and poisonous gas.	Iron cloth machine  spend to discharge the vapour when ironing cloth.	The gas resolves  using the attraction of the gas resolves device.



The gas and heavy oil gush out firing  high wind pressure (2,000mmHg) and enough wind amount, can lighten your reliance to the air compress horizontal.	Wash the bottle machine and dries up  empty bottle of beverage are water-washed, suitable for the food industry.	Can collect all the bits automatically after cut the Paper  plastic, cloth, paper, etc., out.	It is dry to use the air knife  electron industry can make use of forced draught blower to blowdown the small dust and water droplet.
Air cushion  increasing the buoyancy, easy to move.	The domestic animal excrement ferments' fierceness gas  entering domestic animal's excrement trough. Brutishly with the high-pressure air, it is exposed to the area to increase domestic animal excrement and air. Also suitable for the sewage disposal of the public hazards.	Subpoena transport  it regards air as motive force to be fast also really to transport file.	The electrolytic liquid mix round  makes use of air to stir the electrolytic trough, make the electrolyte circulate, and repel adhering to the bubble and make electroplate rapidly, the result is even. (export holes with the best of 4mm)
The oxygen supply in breed aquatics  water in the pool.	Puncher machine  convenient to it is press product of taking shape after to take out.	Powder body transport  powder body grains of body etc. air of raw materials transport.	Combustion-supporting discharge with the waste gas of the incinerator  atmospherical help blaze and exhaust
The exhaust gas blows smoking  discharging rapidly by the scattered exhaust gas that appears, so as not to cause pollution.	Wash the car and dry up  blow the moisture content to dry after having car machine washing.	Print and force dryness  enabling the printing color to dry fast.	Dry up after cleaning  moisture content or oil gas after cleaning break away from articles rapidly.



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