I AM
EQUIPMENT
& SUPPLIES LLC

SIDE CHANNEL BLOWERS

Product Catalog 2026 · 50 Hz & 60 Hz

130
models

0.12–35
kW power range

2,480
m^3/h max. airflow

-730 / +1050
mbar vacuum / pressure

iam.equipment@gmail.com · +1 206-960-5051
· Kent, Washington, USA



Multi-stage side channel blower

Our Blower Range

Side channel (regenerative) blowers for vacuum and pressure applications

Series	Supply	Stages	Models	Power kW	Max. airflow m^3/h	Max. vacuum mbar	Max. pressure mbar
4RV Series	Three-phase	Single / Double / Triple	19	0.55 – 8.6	200	-730	1040
3RV Series	Three-phase	Single / Double / Triple	26	2.2 – 21.3	580	-680	1050
R Series · Single Stage	Three-phase	Single	40	0.4 – 21.3	1,650	-380	480
R Series · Double Stage	Three-phase	Double	25	0.7 – 35	2,480	-500	600
Z Series · Single-Phase	Single-phase	Single / Double	20	0.12 – 2.55	376	-350	330



Units ready for shipment.

Why side channel blowers

Non-contact design

The impeller never touches the housing: no internal wear and long service life.

Oil-free air

No oil in the compression chamber, so the air delivered stays clean.

Low maintenance

Few wearing parts and quiet, vibration-free operation.

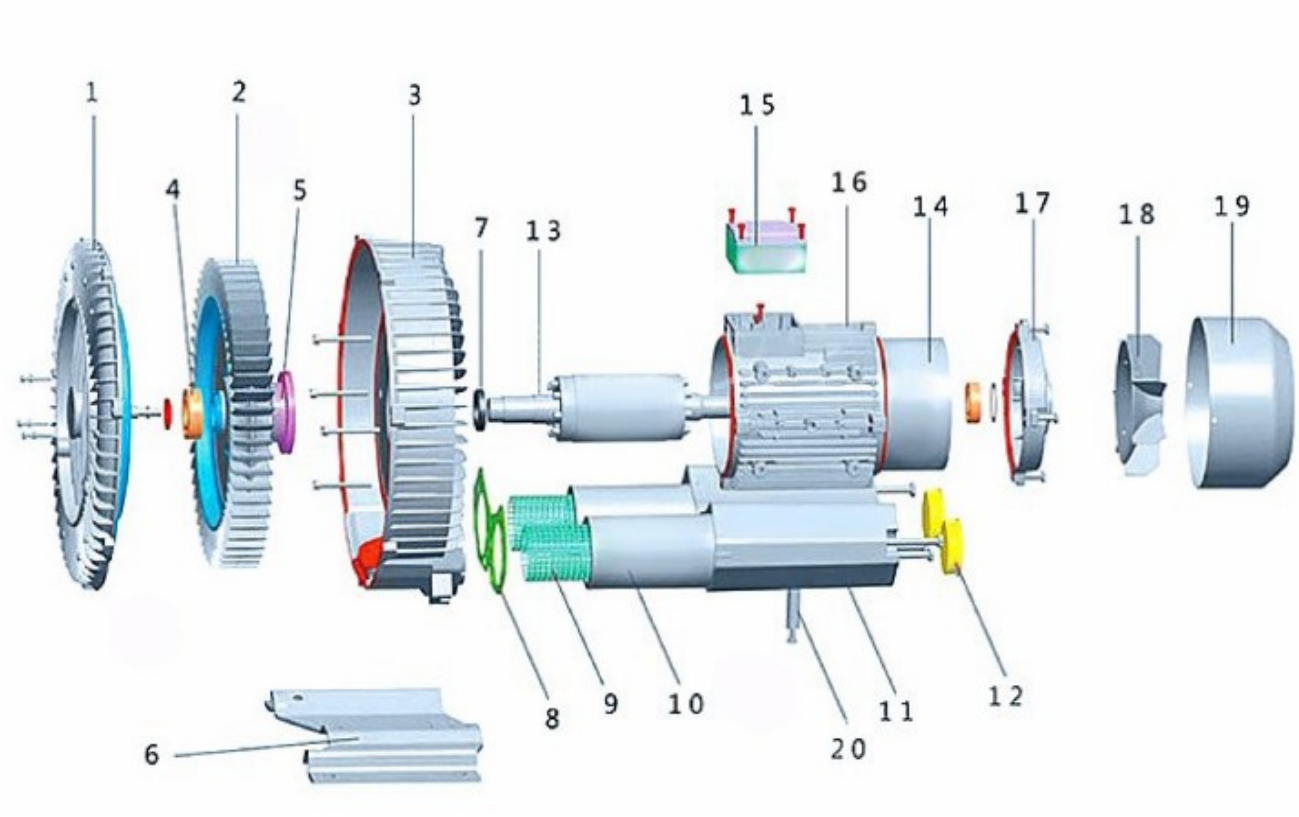
50 Hz & 60 Hz

Every model is rated for both supply frequencies, with data for each.

Each series is presented on the following pages with full electrical and performance data. For help selecting a model, contact us or our distributor in your region (last page).

Exploded View

Main components of a side channel blower



1	Pump cover
2	Impeller
3	Pump body
4	Bearing
5	Bearing seat
6	Base plate
7	Oil seal
8	Gasket
9	Silencer net
10	Silencer sponge
11	Silencer pipe
12	Connector (flange)
13	Rotor
14	Motor
15	Terminal box
16	Motor housing
17	Motor end cover
18	Motor fan
19	Motor back cover
20	Supporting tube

4RV Series

High-pressure side channel blowers · three-phase · single, double and triple stage · 19 models · IP55 motor · insulation class F · 50 Hz / 60 Hz

Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
4RV210H16	Single	50	0.55	200-240Δ/345-415Y	2.8Δ/1.6Y	47	-230	290	57	16
		60	0.63	220-275Δ/380-480Y	3Δ/1.7Y	57	-270	320	62	
4RV310H16	Single	50	0.55	200-240Δ/345-415Y	2.8Δ/1.6Y	66	-250	250	57	16
		60	0.63	220-275Δ/380-480Y	3.1Δ/1.7Y	80	-260	250	62	
4RV310H26	Single	50	0.81	200-240Δ/345-415Y	4Δ/2.3Y	66	-280	350	57	17
		60	0.94	220-275Δ/380-480Y	4Δ/2.3Y	80	-340	380	62	
4RV410H16	Single	50	1.1	200-240Δ/345-415Y	5.4Δ/3.1Y	87	-300	380	58	23
		60	1.3	220-275Δ/380-480Y	5.4Δ/3.1Y	105	-340	370	62	
4RV510H16	Single	50	1.6	200-240Δ/345-415Y	7.5Δ/4.3Y	120	-310	360	64	26
		60	2.05	220-275Δ/380-480Y	7.6Δ/4.4Y	145	-340	320	68	
4RV510H26	Single	50	2.2	200-240Δ/345-415Y	11.4Δ/6.6Y	120	-310	470	64	29
		60	2.55	220-275Δ/380-480Y	11.2Δ/6.5Y	145	-360	480	68	
4RV610H16	Single	50	2.2	200-240Δ/345-415Y	11.4Δ/6.6Y	165	-340	360	65	32
		60	2.55	220-275Δ/380-480Y	11.2Δ/6.5Y	195	-360	315	71	
4RV610H36	Single	50	3.3	200-240Δ/345-415Y	13Δ/7.5Y	165	-380	380	65	35
		60	3.8	220-275Δ/380-480Y	14.2Δ/8.2Y	195	-380	530	71	
4RV220H26	Double	50	0.81	200-240Δ/345-415Y	4.4Δ/2.3Y	47	-370	490	58	24
		60	0.94	220-275Δ/380-480Y	4Δ/2.3Y	60	-440	480	62	
4RV220H56	Double	50	1.6	200-240Δ/345-415Y	7.5Δ/4.3Y	47	-370	650	58	28
		60	2.05	220-275Δ/380-480Y	7.6Δ/4.4Y	60	-500	740	62	
4RV320H46	Double	50	1.1	200-240Δ/345-415Y	5.4Δ/3.1Y	65	-400	480	59	29
		60	1.3	220-275Δ/380-480Y	5.4Δ/3.1Y	76	-480	640	63	
4RV320H56	Double	50	1.6	200-240Δ/345-415Y	7.5Δ/4.3Y	65	-440	600	60	30
		60	2.05	220-275Δ/380-480Y	7.5Δ/4.4Y	76	-560	600	63	
4RV420H26	Double	50	1.6	200-240Δ/345-415Y	7.5Δ/4.3Y	87	-480	450	61	33
		60	2.05	220-275Δ/380-480Y	7.6Δ/4.4Y	105	-430	410	66	
4RV420H56	Double	50	3.3	200-240Δ/345-415Y	13Δ/7.5Y	87	-500	750	61	39
		60	3.8	220-275Δ/380-480Y	13.8Δ/8Y	105	-510	850	66	
4RV520H26	Double	50	2.2	200-240Δ/345-415Y	11.4Δ/6.6Y	120	-470	460	64	40
		60	2.55	220-275Δ/380-480Y	11.2Δ/6.5Y	145	-500	470	70	
4RV520H77	Double	50	4.3	345-415Δ	9.5Δ	120	-500	820	67	51
		60	4.8	380-480Δ	10Δ	145	-530	810	71	
4RV620H36	Double	50	3.3	345-415Δ	13Δ/7.5Y	165	-460	820	70	48
		60	3.8	380-480Δ	14.2Δ/8.2Y	195	-480	840	71	

Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
4RV620H57	Double	50	5.5	200-240Δ/345-415Y	21.6Δ/12.8Y	165	-460	740	68	65
		60	6.8	220-275Δ/380-480Y	20.7Δ/12.9Y	195	-480	840	72	
4RV650H66	Triple	50	7.5	200-240Δ/345-415Y	29.0Δ/16.7Y	170	-730	1040	72	86
		60	8.6	220-275Δ/380-480Y	30.0Δ/17.3Y	200	-700	1040	76	

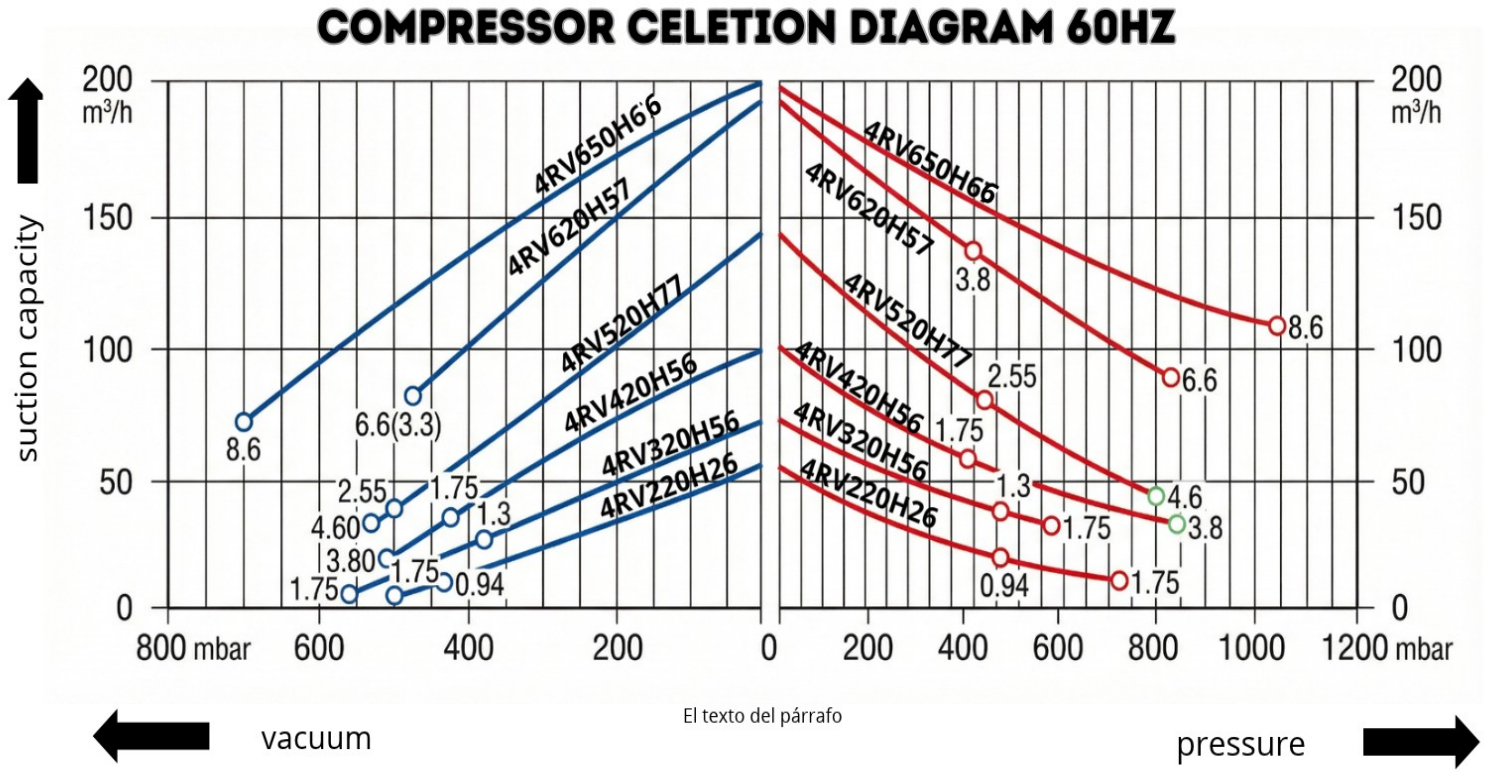
Each model shows 50 Hz values (top row) and 60 Hz values (bottom row). Δ = delta connection · Y = star connection. Specifications may change without notice.



4RV Series

4RV Series · Selection Diagram 60 Hz

Airflow versus pressure difference for vacuum (left) and pressure (right) operation



How to read this chart: find the required vacuum or pressure on the horizontal axis, go up to the required airflow, and choose a model whose curve lies at or above that point.

3RV Series

High-pressure side channel blowers · three-phase · single, double and triple stage · 26 models · 50 Hz / 60 Hz

Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
3RV350-1H16	Single	50	2.2	200-260Δ/350-450Y	8.1Δ/4.6Y	315	-190	170	64	45
		60	2.55	230-290Δ/400-500Y	8.0Δ/4.6Y	370	-150	130	68	
3RV350-1H26	Single	50	3	200-260Δ/350-450Y	11.4Δ/6.5Y	315	-290	270	65	50
		60	3.45	230-290Δ/400-500Y	10.8Δ/6.2Y	370	-250	220	69	
3RV350-1H37	Single	50	4	350-450Δ/610-725Y	8.4Δ/4.8Y	315	-350	300	65	62
		60	4.6	400-500Δ/690-725Y	8.2Δ/4.7Y	370	-370	340	69	
3RV350-1H47	Single	50	5.5	350-450Δ/610-725Y	11.1Δ/6.4Y	315	-350	500	65	74
		60	6.3	400-500Δ/690-725Y	11.0Δ/6.4Y	370	-390	510	69	
3RV350-2H26	Double	50	3	200-260Δ/350-450Y	11.4Δ/6.5Y	320	-230	190	68	68
		60	3.45	230-290Δ/400-500Y	10.8Δ/6.2Y	380	-150	120	71	
3RV350-2H37	Double	50	4.5	350-450Δ/610-725Y	8.4Δ/4.8Y	320	-350	180	69	79
		60	4.6	400-500Δ/690-725Y	8.2Δ/4.7Y	380	-280	230	72	
3RV350-2H47	Double	50	5.5	350-450Δ/610-725Y	11.1Δ/6.4Y	320	-530	480	71	90
		60	6.3	400-500Δ/690-725Y	11.0Δ/6.4Y	380	-490	390	74	
3RV350-2H57	Double	50	7.5	350-450Δ/610-725Y	15.1Δ/8.7Y	320	-530	700	71	97
		60	8.6	400-500Δ/690-725Y	15.1Δ/8.8Y	380	-580	610	74	
3RV350-2H67	Double	50	11	350-450Δ/610-725Y	22.0Δ/12.7Y	320	-530	870	72	120
		60	12.6	400-500Δ/690-725Y	22.0Δ/12.9Y	380	-580	930	76	
3RV350-3H37	Triple	50	4	350-450Δ/345-415Y	8.4Δ/4.8Y	320	-300	250	69	82
		60	4.6	400-500Δ/690-725Y	8.2Δ/4.7Y	380	-200	150	72	
3RV350-3H47	Triple	50	5.5	350-450Δ/610-725Y	11.1Δ/6.4Y	320	-490	410	71	93
		60	6.3	400-500Δ/690-725Y	11.0Δ/6.4Y	380	-410	300	74	
3RV350-3H57	Triple	50	7.5	350-450Δ/610-725Y	15.1Δ/8.7Y	320	-680	620	71	100
		60	8.6	400-500Δ/690-725Y	15.1Δ/8.8Y	380	-650	510	74	
3RV350-3H67	Triple	50	11	350-450Δ/610-725Y	22.0Δ/12.7Y	320	-680	1020	72	120
		60	12.6	400-500Δ/690-725Y	22.0Δ/12.9Y	380	-650	880	76	
3RV350-3H77	Triple	50	15	350-450Δ/610-725Y	30.5Δ/17.3Y	320	-680	1020	72	136
		60	17.3	400-500Δ/690-725Y	29.5Δ/17.0Y	380	-650	1050	76	
3RV550-1H26	Single	50	3	200-260Δ/350-450Y	11.4Δ/6.5Y	480	-130	120	69	66
		60	3.45	230-290Δ/400-500Y	10.8Δ/6.2Y	565	-70	60	74	
3RV550-1H37	Single	50	4	350-450Δ/610-725Y	8.4Δ/4.8Y	480	-230	200	69	78
		60	4.6	400-500Δ/690-725Y	8.2Δ/4.7Y	565	-170	140	74	
3RV550-1H47	Single	50	5.5	350-450Δ/610-725Y	11.1Δ/6.4Y	480	-380	330	69	88
		60	6.3	400-500Δ/690-725Y	11.0Δ/6.4Y	565	-310	260	85	

Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
3RV550-1H57	Single	50	7.5	350-450Δ/610-725Y	15.0Δ/8.7Y	480	-380	500	69	96
		60	8.6	400-500Δ/690-725Y	15.1Δ/8.8Y	565	-410	440	74	
3RV550-2H47	Double	50	5.5	350-450Δ/610-725Y	11.1Δ/6.4Y	480	-270	220	70	118
		60	6.3	400-500Δ/690-725Y	11.0Δ/6.4Y	580	-180	130	74	
3RV550-2H57	Double	50	7.5	350-450Δ/610-725Y	15.0Δ/8.7Y	480	-450	370	70	126
		60	8.6	400-500Δ/690-725Y	15.1Δ/8.8Y	580	-370	270	74	
3RV550-2H67	Double	50	11	350-450Δ/610-725Y	22.0Δ/12.7Y	480	-530	630	70	145
		60	12.6	400-500Δ/690-725Y	22.0Δ/12.9Y	580	-540	530	74	
3RV550-2H77	Double	50	15	350-450Δ/610-725Y	30.5Δ/17.3Y	480	-530	890	70	156
		60	17.3	400-500Δ/690-725Y	29.5Δ/17.0Y	580	-540	870	74	
3RV550-3H57	Triple	50	7.5	350-450Δ/610-725Y	15.0Δ/8.7Y	480	-380	280	71	142
		60	8.6	400-500Δ/690-725Y	15.1Δ/8.8Y	580	-240	140	77	
3RV550-3H67	Triple	50	11	350-450Δ/610-725Y	22.0Δ/12.7Y	480	-610	540	70	167
		60	12.6	400-500Δ/690-725Y	22.0Δ/12.9Y	580	-590	390	77	
3RV550-3H77	Triple	50	15	350-450Δ/610-725Y	30.5Δ/17.3Y	480	-610	830	71	180
		60	17.3	400-500Δ/690-725Y	29.5Δ/17.0Y	580	-590	760	77	
3RV550-3H87	Triple	50	18.5	450-500Δ/610-725Y	37.0Δ/21.0Y	480	-610	1020	71	195
		60	21.3	400-500Δ/690-725Y	36.5Δ/21.0Y	580	-590	870	77	

Each model shows 50 Hz values (top row) and 60 Hz values (bottom row). Δ = delta connection · Y = star connection. Specifications may change without notice.



3RV Series

R Series · Single Stage

Three-phase side channel blowers · one impeller · 40 models · 50 Hz / 60 Hz

Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
210 R16	Single	50	0.4	200-240Δ	2.6Δ/1.5Y	80	-120	130	53	10
		60	0.5	220-275Δ	2.6Δ/1.5Y	98	-150	160	54	
310 R06	Single	50	0.55	200-240Δ	2.4Δ/1.7Y	100	-120	130	57	11
		60	0.62	220-275Δ	2.6Δ/1.5Y	120	-120	160	60	
410 R06	Single	50	0.7	200-240Δ	3.8Δ/2.2Y	145	-120	160	60	15
		60	0.83	220-275Δ	3.75Δ/2.15Y	175	-130	160	64	
410 R16	Single	50	0.85	200-240Δ	4.2Δ/2.4Y	145	-160	160	63	17
		60	0.95	220-275Δ	4.0Δ/2.3Y	175	-160	160	64	
410 R26	Single	50	1.3	200-240Δ	6.6Δ/3.8Y	145	-170	200	63	18
		60	1.5	220-275Δ	6.9Δ/4.0Y	175	-210	220	64	
510 R06	Single	50	0.85	200-240Δ	4.2Δ/2.4Y	210	-110	100	64	20
		60	0.95	220-275Δ	4.0Δ/2.3Y	255	-140	160	70	
510 R16	Single	50	1.3	200-240Δ	6.6Δ/3.8Y	210	-170	170	64	22
		60	1.5	220-275Δ	6.9Δ/4.0Y	255	-150	140	70	
510 R26	Single	50	1.6	200-240Δ	7.5Δ/4.3Y	210	-200	190	64	23
		60	2.1	220-275Δ	7.6Δ/4.4Y	255	-220	210	70	
510 R36	Single	50	2.2	200-240Δ	9.7Δ/5.6Y	210	-220	270	64	27
		60	2.55	220-275Δ	10.3Δ/6.0Y	255	-260	290	70	
530 R36	Single	50	1.3	200-240Δ	6.6Δ/3.8Y	270	-120	110	65	23
		60	1.5	220-275Δ	6.9Δ/4.0Y	330	-90	80	71	
530 R26	Single	50	1.6	200-240Δ	7.5Δ/4.3Y	270	-160	150	65	24
		60	2.05	220-275Δ	7.6Δ/4.4Y	330	-160	150	71	
530 R16	Single	50	2.2	200-240Δ	9.7Δ/5.6Y	270	-220	230	65	26
		60	2.55	220-275Δ	10.3Δ/6.0Y	330	-260	250	71	
610 R06	Single	50	2.2	200-240Δ	8.5Δ/4.9Y	270	-180	190	67	24
		60	2.1	220-275Δ	8.8Δ/5.5Y	315	-200	190	70	
610 R16	Single	50	2.2	200-240Δ	10Δ/5.6Y	270	-230	250	67	26
		60	2.5	220-275Δ	10.3Δ/6.5Y	315	-250	270	70	27
610 R26	Single	50	3	200-240Δ	12.5Δ/7.2Y	270	-280	280	69	32
		60	3.45	220-275Δ	12.6Δ/7.3Y	315	-260	270	72	
630 R06	Single	50	1.6	200-240Δ	8.5Δ/4.9Y	345	-125	125	70	36
		60	1.9	220-275Δ	8.8Δ/5.5Y	415	-105	130	73	
630 R16	Single	50	2.2	200-240Δ	10Δ/5.6Y	345	-200	195	70	29
		60	2.5	220-275Δ	10.3Δ/6.5Y	415	-170	195	73	

Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
630 R26	Single	50	3	200-240Δ	12.5Δ/7.2Y	345	-240	220	70	35
		60	3.45	220-275Δ	12.6Δ/7.3Y	415	-210	220	73	
710 R16	Single	50	2.2	200-240Δ	9.7Δ/5.6Y	318	-210	200	69	31
		60	2.55	220-275Δ	10.3Δ/6.5Y	376	-210	200	72	
710 R26	Single	50	3	200-240Δ	12.5Δ/7.2Y	318	-270	290	69	36
		60	3.45	220-275Δ	12.6Δ/7.3Y	376	-250	230	72	
710 R37	Single	50	4	345-415Δ	9.0Δ/5.2Y	318	-290	330	69	40
		60	4.6	380-480Δ	9.4Δ/5.2Y	376	-330	330	72	
710 R47	Single	50	4.3	345-415Δ	9.5Δ/5.5Y	318	-295	335	69	43
		60	4.8	380-480Δ	9.5Δ/5.5Y	376	-335	335	72	
730 R16	Single	50	2.2	200-240Δ	10.4Δ/5.6Y	420	-180	170	70	32
		60	2.55	220-275Δ	10.3Δ/6.5Y	500	-160	150	73	
730 R28	Single	50	3	200-240Δ	12.5Δ/7.2Y	500	-200	170	70	37
		60	3.45	220-275Δ	12.5Δ/7.3Y	500	-200	170	73	
730 R37	Single	50	4	345-415Δ	9.0Δ/5.2Y	420	-260	280	70	43
		60	4.6	380-480Δ	9.4Δ/5.2Y	500	-260	280	73	
730 R47	Single	50	4.3	345-415Δ	9.5Δ/5.5Y	420	-265	290	70	45
		60	4.8	380-480Δ	9.5Δ/5.5Y	500	-270	270	73	
810 R07	Single	50	4.3	345-415Δ	9.5Δ/5.5Y	530	-200	200	70	51
		60	4.8	380-480Δ	9.5Δ/5.5Y	530	-200	180	74	
810 R17	Single	50	5.5	345-415Δ	12.9Δ/7.4Y	600	-330	330	82	62
		60	6.3	380-480Δ	12.9Δ/7.4Y	600	-320	340	82	
810 R27	Single	50	7.5	345-415Δ	16.7Δ/9.6Y	530	-320	380	80	69
		60	8.6	380-480Δ	17.3Δ/10.0Y	600	-270	260	80	
830 R07	Single	50	4.3	345-415Δ	9.5Δ/5.5Y	700	-150	180	70	57
		60	4.8	380-480Δ	9.5Δ/5.5Y	840	-190	190	74	
830 R17	Single	50	5.5	345-415Δ	12.9Δ/7.4Y	700	-180	180	82	66
		60	6.3	380-480Δ	12.9Δ/7.4Y	840	-180	180	82	
830 R27	Single	50	7.5	345-415Δ	16.7Δ/9.6Y	700	-270	260	70	69
		60	8.6	380-480Δ	17.3Δ/10.0Y	840	-270	260	74	
910 R07	Single	50	8.5	345-415Δ	18.2Δ/10.5Y	1050	-210	210	74	93
		60	9.8	380-480Δ	18.2Δ/10.5Y	1250	-180	180	79	
910 R17	Single	50	12.5	345-415Δ	28.0Δ/16.2Y	1050	-290	280	74	116
		60	14.5	380-480Δ	29.0Δ/16.7Y	1250	-270	260	79	
910 R27	Single	50	15	345-415Δ	35.0Δ/20.0Y	1050	-320	380	74	120
		60	17.5	380-480Δ	36.5Δ/21Y	1250	-340	360	79	
910 R37	Single	50	18.5	345-415Δ	37.0Δ/21.0Y	1050	-340	480	74	126
		60	21.3	380-480Δ	39.0Δ/22.5Y	1250	-380	420	79	

Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
930 R07	Single	50	8.5	345-415Δ	18.2Δ/10.5Y	1370	-120	110	75	98
		60	9.8	380-480Δ	18.2Δ/10.5Y	1650	-80	100	80	
930 R17	Single	50	12.5	345-415Δ	28.0Δ/16.2Y	1370	-210	190	75	121
		60	14.5	380-480Δ	29.0Δ/16.7Y	1650	-170	160	80	
930 R27	Single	50	15	345-415Δ	35.0Δ/20.0Y	1370	-230	220	75	126
		60	18.5	380-480Δ	36.5Δ/21.0Y	1650	-230	220	80	
930 R37	Single	50	18.5	345-415Δ	37.0Δ/21.0Y	1370	-310	280	75	131
		60	21.3	380-480Δ	39.0Δ/22.5Y	1650	-300	280	80	

Each model shows 50 Hz values (top row) and 60 Hz values (bottom row). Δ = delta connection · Y = star connection. Specifications may change without notice.



R Series · Single Stage

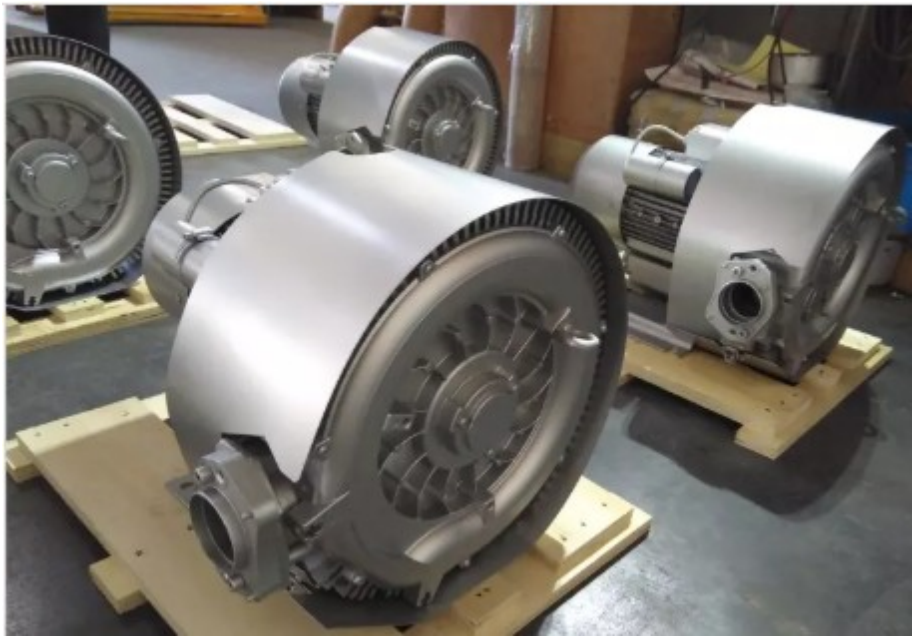
R Series · Double Stage

Three-phase side channel blowers · two impellers for higher vacuum and pressure · 25 models · 50 Hz / 60 Hz

Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
220 R26	Double	50	0.7	200-240Δ	3.8Δ/2.2Y	88	-210	240	55	16
		60	0.83	220-275Δ	3.75Δ/2.15Y	103	-250	250	61	
320 R26	Double	50	0.85	200-240Δ	4.2Δ/2.4Y	110	-200	230	58	17
		60	0.95	220-275Δ	4.0Δ/2.3Y	130	-240	240	60	
320 R36	Double	50	1.3	200-240Δ	5.7Δ/3.3Y	110	-280	290	58	18
		60	1.5	220-275Δ	6.0Δ/3.5Y	130	-290	400	60	
420 R36	Double	50	1.6	200-240Δ	7.5Δ/4.3Y	150	-280	280	66	25
		60	2.05	220-275Δ	7.6Δ/4.4Y	180	-320	310	69	
420 R46	Double	50	2.2	200-240Δ	9.7Δ/5.6Y	150	-330	440	66	27
		60	2.55	220-275Δ	10.4Δ/6.0Y	180	-350	490	69	
520 R36	Double	50	2.2	200-240Δ	9.7Δ/5.6Y	230	-290	360	72	35
		60	2.55	220-275Δ	10.3Δ/6.0Y	275	-350	330	74	
520 R46	Double	50	3	200-240Δ	12.5Δ/7.2Y	230	-340	410	72	39
		60	3.45	220-275Δ	12.5Δ/7.3Y	275	-380	360	74	
520 R57	Double	50	4	345-415Δ	10Δ/5.8Y	230	-390	490	72	44
		60	4.6	380-480Δ	9.9Δ/5.71Y	275	-410	480	74	
720 R26	Double	50	3	345-415Δ	12.5Δ/7.2Y	320	-280	260	73	49
		60	3.45	380-480Δ	12.6Δ/7.3Y	385	-230	200	76	
720 R27	Double	50	4	345-415Δ	9.0Δ/5.2Y	320	-355	375	73	53
		60	4.6	380-480Δ	9.4Δ/5.2Y	385	-345	345	76	
720 R37	Double	50	4.3	345-415Δ	10.4Δ/6.0Y	320	-360	360	76	56
		60	4.8	380-480Δ	10.4Δ/6.0Y	385	-350	350	76	
720 R47	Double	50	5.5	345-415Δ	13.3Δ/7.7Y	320	-440	500	73	70
		60	6.3	380-480Δ	13.3Δ/7.7Y	385	-500	570	76	
720 R57	Double	50	7.5	345-415Δ	16.7Δ/9.6Y	320	-440	570	74	74
		60	8.6	380-480Δ	17.3Δ/10.0Y	385	-460	600	76	
740 R27	Double	50	3	200-240Δ	12.5Δ/7.2Y	500	-130	120	78	50
		60	3.45	220-275Δ	12.6Δ/7.3Y	600	-100	80	78	
920 R37	Double	50	20	345-415Δ	40.0Δ/23.0Y	1110	-440	500	74	204
		60	23	380-480Δ	42.0Δ/24.2Y	1310	-440	430	78	
920 R47	Double	50	25	345-415Δ	52.0Δ/30.0Y	1110	-310	270	74	211
		60	29	380-480Δ	52.0Δ/30.0Y	1310	-270	230	78	
920 R57	Double	50	30	345-415Δ	60.0Δ/35.0Y	1110	-380	350	75	218
		60	35	380-480Δ	60.0Δ/35.0Y	1310	-340	320	84	

Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
940 R27	Double	50	15	345-415Δ	35.0Δ/20.0Y	1940	-130	110	75	187
		60	17.5	380-480Δ	36.5Δ/21.0Y	2310	-60	40	84	
940 R37	Double	50	20	345-415Δ	40.0Δ/23.0Y	1940	-220	200	75	212
		60	23	380-480Δ	42.0Δ/24.2Y	2310	-160	130	84	
940 R47	Double	50	25	345-415Δ	52.0Δ/30.0Y	1940	-310	270	75	219
		60	29	380-480Δ	52.0Δ/30.0Y	2310	-270	220	84	
940 R57	Double	50	30	345-415Δ	60.0Δ/35.0Y	1940	-380	350	75	225
		60	35	380-480Δ	60.0Δ/35.0Y	2310	-340	320	84	
943 R27	Double	50	15	345-415Δ	35.0Δ/20.0Y	2050	-160	170	75	220
		60	17.5	380-480Δ	36.5Δ/21.0Y	2480	-110	120	84	
943 R37	Double	50	20	345-415Δ	40.0Δ/23.0Y	2050	-250	230	75	230
		60	23	380-480Δ	42.0Δ/24.2Y	2480	-190	180	84	
943 R47	Double	50	25	345-415Δ	52.0Δ/30.0Y	2050	-310	270	75	235
		60	29	380-480Δ	52.0Δ/30.0Y	2480	-270	230	84	
943 R57	Double	50	30	345-415Δ	60.0Δ/35.0Y	2050	-380	350	75	240
		60	35	380-480Δ	60.0Δ/35.0Y	2480	-340	320	84	

Each model shows 50 Hz values (top row) and 60 Hz values (bottom row). Δ = delta connection · Y = star connection. Specifications may change without notice.



R Series · Double Stage

Z Series · Single-Phase

Single-phase side channel blowers (220–240 V) · single and double stage · 20 models · 50 Hz / 60 Hz

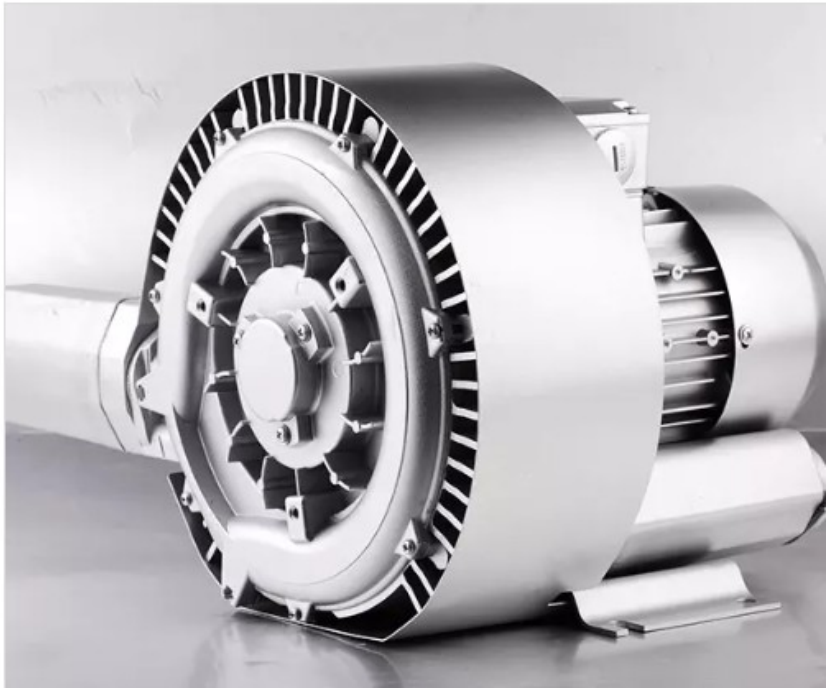
Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
010 Z01	Single	50	0.12	220-240V	1.2	55	-60	60	46	5
		60	0.14	220-240V	1.1	68	-60	60	48	
110 Z01	Single	50	0.2	220-240V	1.43	70	-100	100	48	7
		60	0.23	220-240V	1.3	85	-110	120	50	
210 Z01	Single	50	0.25	220-240V	2.7	70	-110	120	53	9
		60	0.35	220-240V	3.2	85	-140	150	56	
210 Z11	Single	50	0.4	220-240V	2.7	80	-120	130	53	10
		60	0.5	220-240V	3.2	98	-150	160	56	
310 Z01	Single	50	0.55	220-240V	3.7	95	-120	130	57	13
		60	0.62	220-240V	4.9	110	-120	130	60	
410 Z01	Single	50	0.7	220-240V	4.5	145	-120	120	63	15
		60	0.83	220-240V	5.6	175	-130	130	64	
410 Z11	Single	50	0.85	220-240V	5	145	-160	160	63	16
		60	0.95	220-240V	5.8	175	-160	160	64	
410 Z21	Single	50	1.3	220-240V	7.3	145	-170	200	63	17
		60	1.5	220-240V	7.8	175	-210	220	64	
510 Z01	Single	50	0.85	220-240V	5	210	-160	160	70	20
		60	0.95	220-240V	5.8	255	-145	140	70	
510 Z11	Single	50	1.3	220-240V	7.3	210	-170	170	64	22
		60	1.5	220-240V	7.8	255	-210	220	64	
510 Z21	Single	50	1.5	220-240V	9	210	-200	190	64	24
		60	1.75	220-240V	9.5	255	-220	210	70	
510 Z31	Single	50	2.2	220-240V	10	210	-220	270	64	28
		60	2.55	220-240V	11	255	-260	290	70	
530 Z21	Single	50	1.5	220-240V	9	270	-150	140	65	26
		60	1.75	220-240V	10	330	-120	110	71	
610 Z01	Single	50	1.6	220-240V	10	270	-210	230	64	28
		60	2.1	220-240V	11	315	-230	250	70	
610 Z11	Single	50	2.2	220-240V	10	270	-230	250	64	30
		60	2.55	220-240V	11	315	-250	270	70	
710 Z11	Single	50	2.2	220-240V	12	318	-190	190	72	32
		60	2.55	220-240V	12.8	376	-190	200	74	
220 Z21	Double	50	0.7	220-240V	4.5	88	-210	240	55	16
		60	0.83	220-240V	5.6	103	-250	250	61	

Model	Stage	Hz	Power kW	Voltage V	Current A	Airflow m³/h	Vacuum mbar	Pressure mbar	Noise dB(A)	Weight kg
420 Z31	Double	50	1.5	220-240V	9	150	-260	260	66	28
		60	1.75	220-240V	9.5	180	-290	290	69	
420 Z41	Double	50	2.2	220-240V	10	180	-265	265	66	28
		60	2.55	220-240V	11	230	-310	300	69	
520 Z41	Double	50	2.2	220-240V	10	230	-300	320	72	38
		60	2.55	220-240V	11	275	-350	330	74	

Each model shows 50 Hz values (top row) and 60 Hz values (bottom row). Δ = delta connection · Y = star connection. Specifications may change without notice.



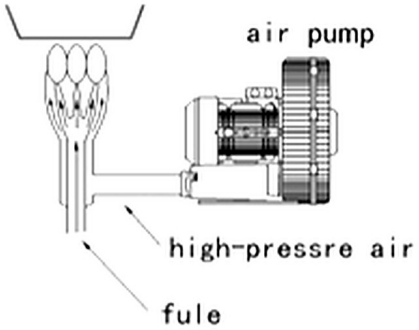
Z Series · Single Stage



Z Series · Double Stage

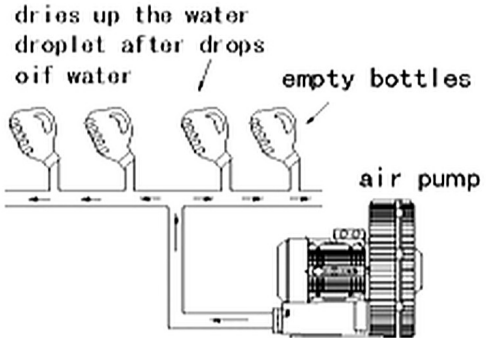
Applications (1 of 6)

Gas and Heavy Oil Burner Firing



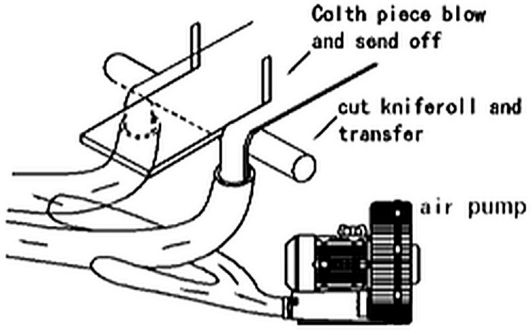
Adequate ventilation from high-pressure air (2,000 mmAq) reduces the dissipation of the compressor.

Bottle Drying After Washing



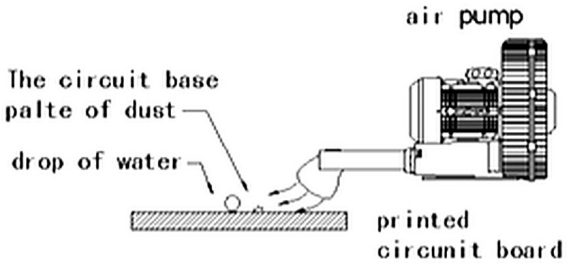
Dries the water drops on beverage bottles. Suitable for the food industry.

Automatic Collection of Cutting Scraps



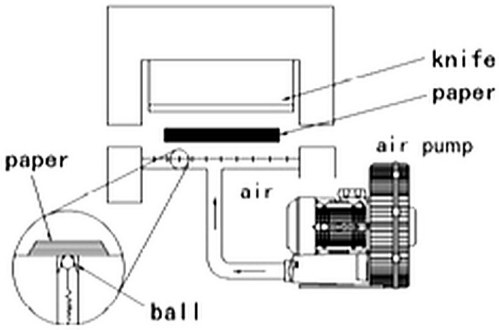
Automatic collection of plastic, cloth and paper cutting edges.

Drying / Debris Removal with Air Knife



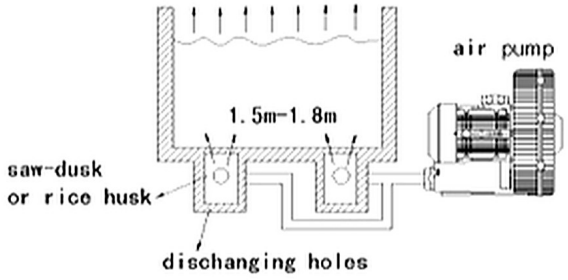
Blows dust and debris off circuit boards.

Air Cushion



Increases the buoyancy force so the material moves easily.

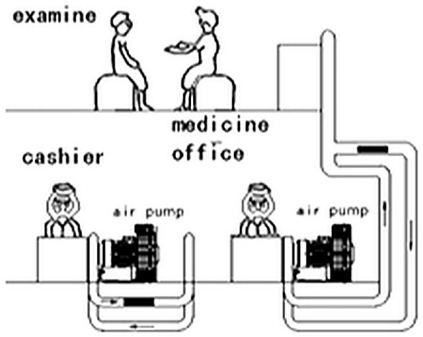
Aeration for Manure Fermentation



High-pressure air blown into the storage tank increases the contact area. Also suitable for polluted waste water.

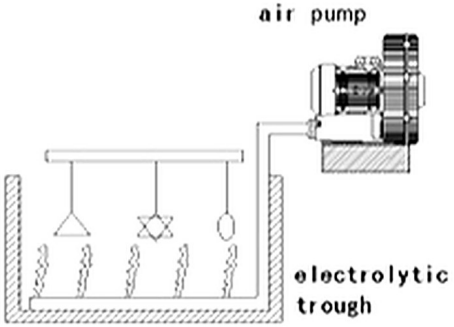
Applications (2 of 6)

Document Conveying



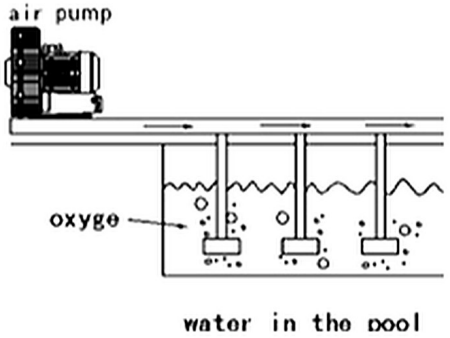
Documents are conveyed quickly and accurately by air.

Electrolyte Stirring



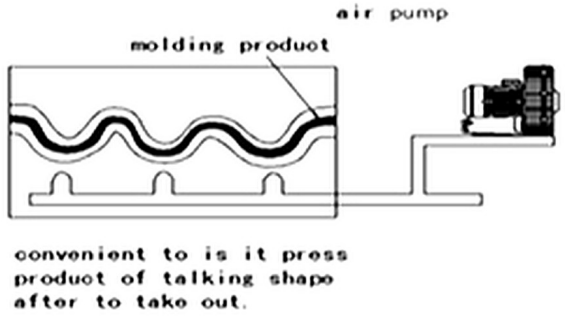
Stirs the electrolyte and disperses water bubbles for fast, even electroplating.

Oxygen Supply for Aquaculture



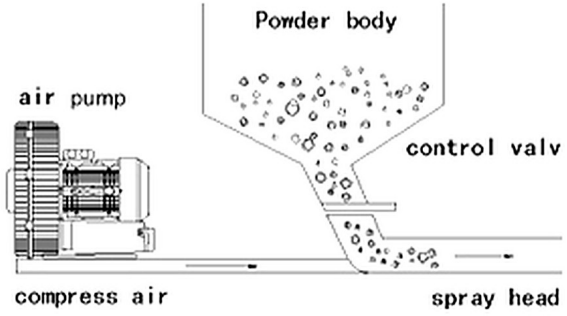
Supplies air to one or several tanks to bring oxygen to the bacteria that degrade organic matter.

Punching Machine



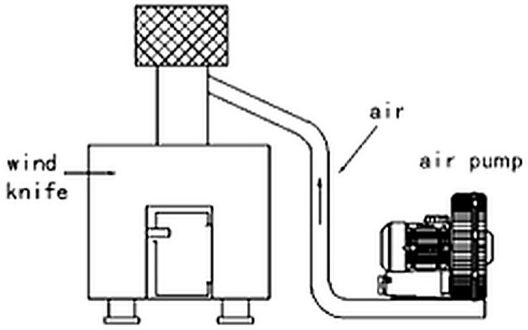
Pressurized air makes it easy to remove the stamped part.

Powder Conveying Systems



Powder conveying through a pipeline is one of the main uses of air pumps.

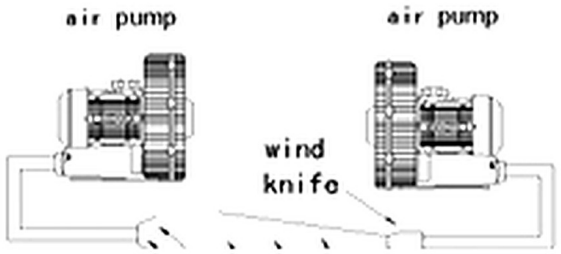
Efficient Furnace Fuel Burning



Higher pressure than a centrifugal blower improves the fuel-air mix for very efficient burning.

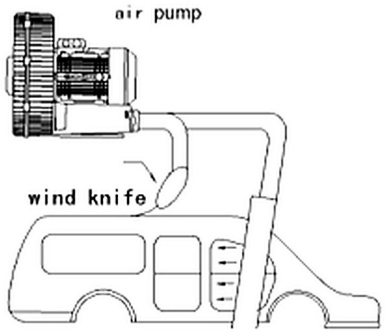
Applications (3 of 6)

Smoke Dispersion



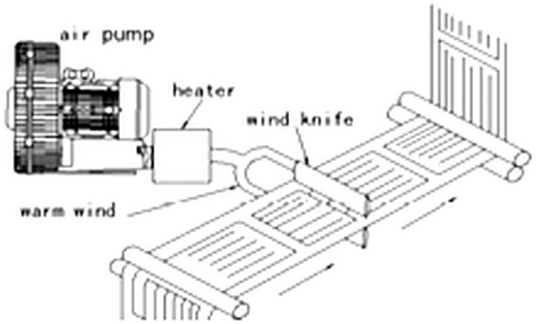
Disperses smoke rapidly to reduce pollution.

Car Washing and Drying



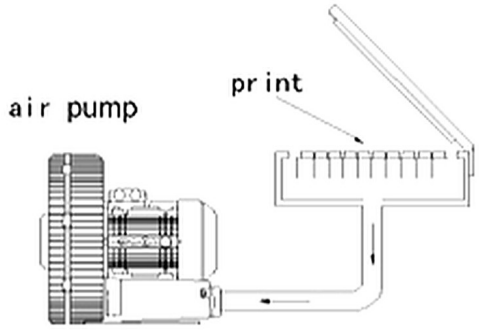
Dries the car rapidly after washing.

Drying in Printing Machines



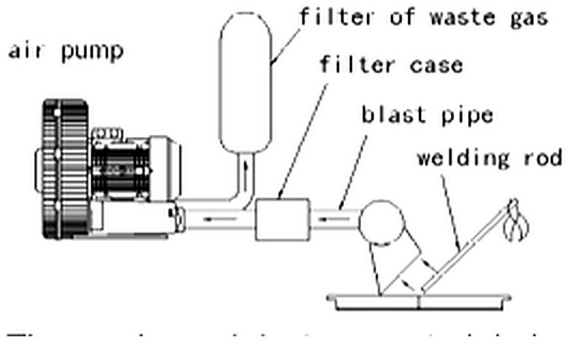
Air pumps are widely used for ink drying.

Suction in Screen Printing



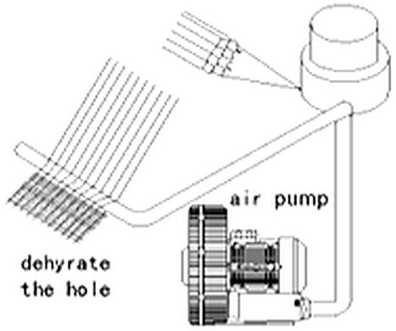
The strong suction of the air pump holds the print in place.

Welding Fume Extraction



Welding smoke and dust are extracted by vacuum and discharged elsewhere, protecting the operator’s health.

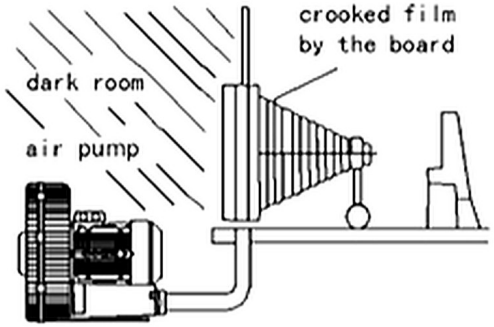
Automatic Loom Machines



Keeps threads and yarn in place during processing.

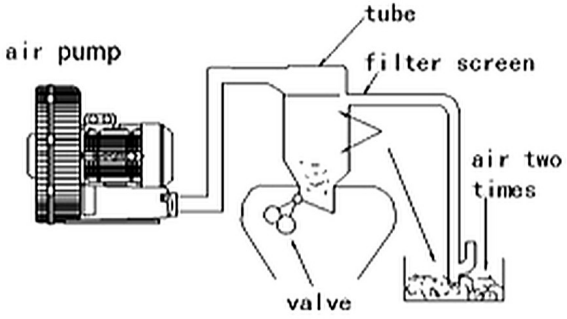
Applications (4 of 6)

Photo-Engraving



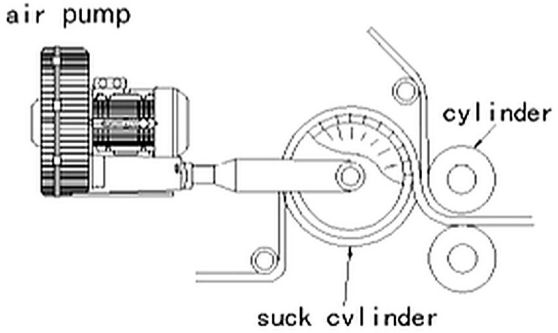
Vacuum suction holds the film flat and protects it.

Pneumatic Powder Conveying



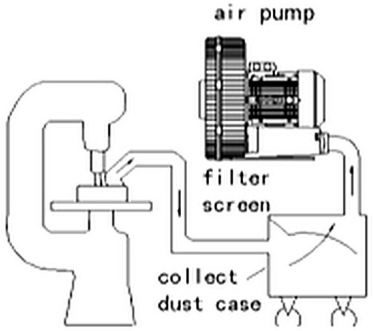
Powder conveying by blowing or suction.

Paper Transfer



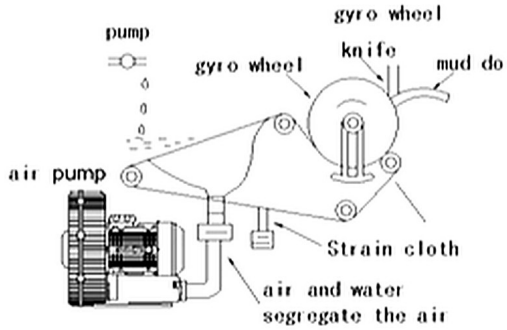
Moves paper through the printing process.

Industrial Dust Collection



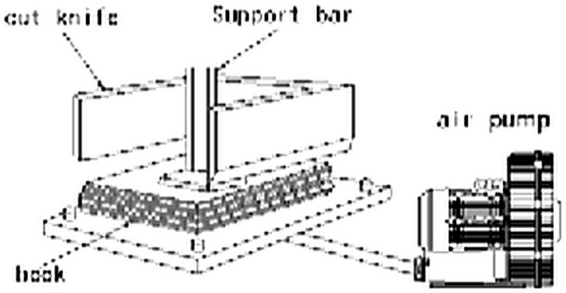
Collects dust and debris on and around machines.

Vacuum Filtration Dewatering



Dewatering of wastewater, cloth, thick liquids and more.

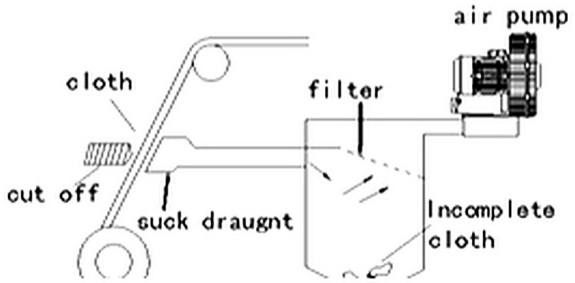
Book Cutting Machine



Holds the inner pages in place while the book is cut.

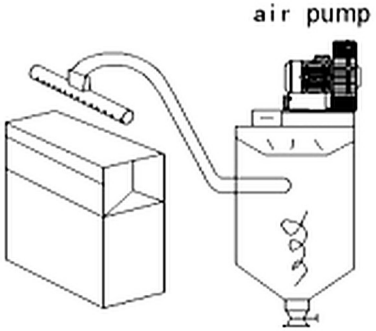
Applications (5 of 6)

Excess Cloth Removal



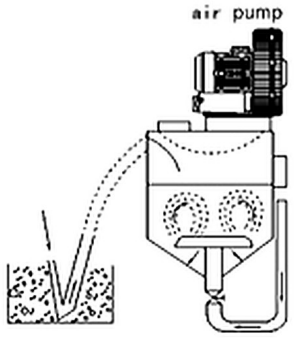
Removes leftover cloth and threads after trimming.

Milk Carton Filling Machine



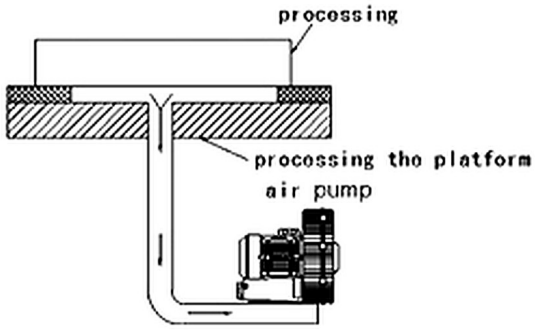
Fills milk cartons by vacuum.

Bean Curd (Tofu) Machine



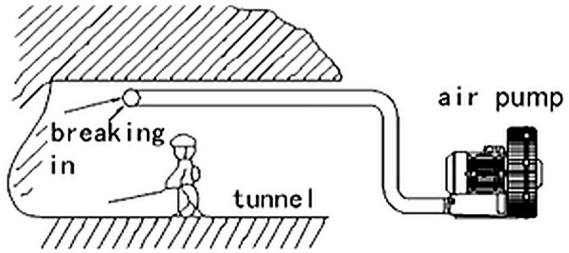
Sucks soybeans and delivers them to the cleaning tank.

Vacuum Workholding



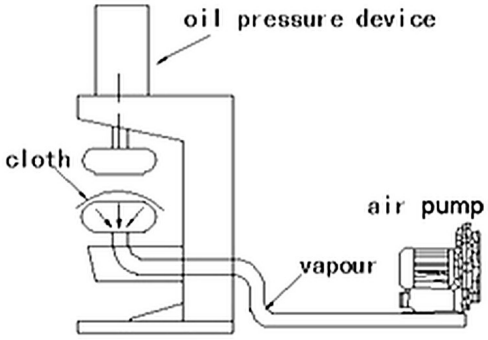
Holds wood, plastic and other non-magnetic parts during processing.

Construction / Clean Rooms



Removes powders, dust and gases from tunnels, clean rooms and other enclosed spaces.

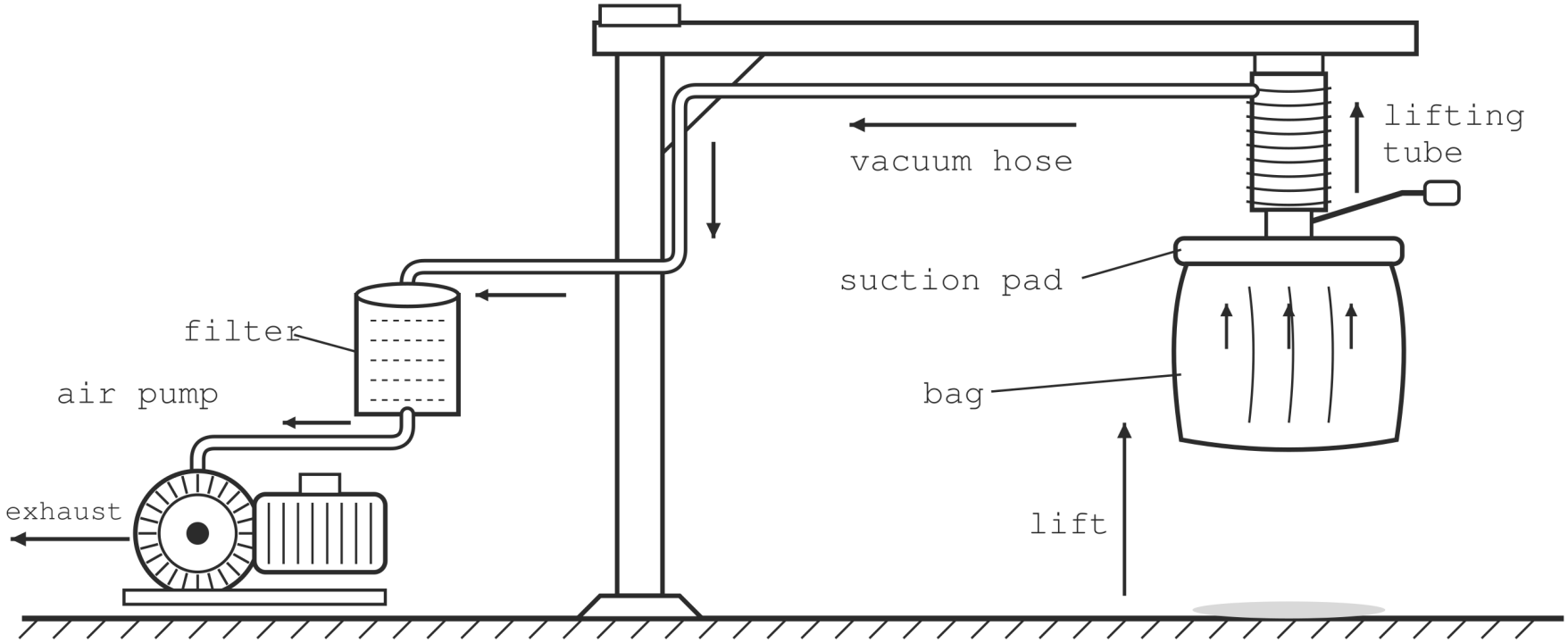
Ironing Machine



Removes steam during ironing.

Applications (6 of 6)

Vacuum Lifting of Bags, Drums and Boxes



The air pump creates vacuum in the lifting tube. The suction pad grips the bag, drum or box and the tube shortens to lift it, so one operator can move heavy loads with almost no effort. Air path: suction pad → lifting tube → hose → filter → air pump → exhaust.

Our Distributors & Contact

For quotations, technical data and orders, contact us or our distributor in your region.

I AM EQUIPMENT & SUPPLIES LLC

International & USA

I AM Equipment & Supplies LLC
Kent, Washington, USA
Email: iam.equipment@gmail.com
Phone: +1 206-960-5051

IAMCA Ingeniería De Aplicaciones y Montajes

Venezuela

IAM Ingeniería en Aplicaciones y Montajes C.A.
Web: www.iamingenieria.com.ve
Contact: Alianuar Turbay
Phone: +58 414-356-2207