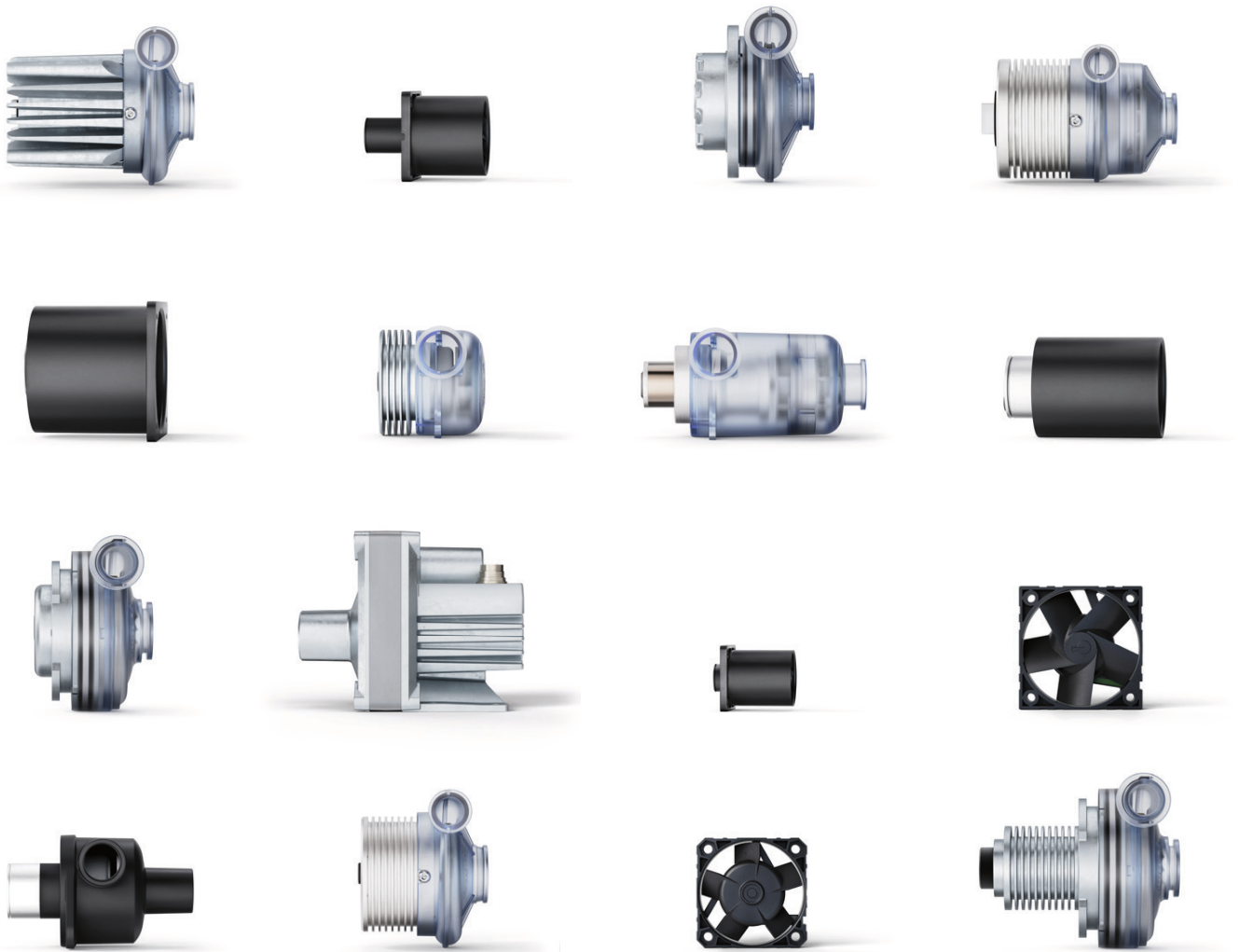


PRODUCT OVERVIEW



2022

WE MOVE AIR



We provide worldwide, perfectly engineered miniature high-performance fan and blower solutions for demanding air pressure, vacuum and flow applications.



Product Overview

Radial Blowers | Micronel U-Line

Tube Fans | Micronel D-Line

Flat Fans | Micronel F-Line

Electronics & Accessories

Applications & Markets

Individual Solutions

About Us

Contact

4

6

8

10

12

14

15

16

WE ARE MICRONEL

The family business started small in 1968: At that time, Peter Meier Senior, a gifted inventor with a great entrepreneurial spirit, founded Micronel. Remarkable pioneering achievements, such as the development of the world's smallest fan or the smallest high-pressure blowers, continue to shape and strengthen our innovation power. Today, as a Swiss company, we are an international leader in the

development of high-quality fans and blowers for a wide range of applications. Our powerful miniature products are used in medical technology, industry and personal protection. With our company name **Micronel** we have always vouched for smallest, durable, low-noise and dynamic air moving solutions.

Peter Meier
CEO / Chairman of the Board

Where Pressurized Flow Is Needed

Radial Blowers I U-Line

	Static Pressure	Freeflow	Size	Voltage	Max. Power Consumption	Brushless Driver	For Medical Breathing	O2 Resistance	Acceleration
Part Number	Pa	l/min	mm	VDC	W				
U51D2-024KX-6	8 400	590	Ø 51	24	73	Not included	Yes	100%	Mid
U51D4-024KX-6	8 000	570	Ø 51	24	75	Not included	Yes	100%	Mid
U51DL-012KK-4	4 200	440	Ø 51	12	32.8	Integrated	Yes	Ambient Air	Low
U51DL-012KK-5	5 200	410	Ø 51	12	35	Not included	Yes	Ambient Air	Mid
U51DL-024KK-4	5 400	500	Ø 51	24	41	Integrated	Yes	Ambient Air	Low
U51DL-024KK-5	4 500	460	Ø 51	22	32	Not included	Yes	Ambient Air	Mid
U51DX-012KK-5	5 000	440	Ø 51	12	41	Not included	Yes	Ambient Air	Mid
U51DX-024KK-5	5 100	460	Ø 51	24	45	Not included	Yes	Ambient Air	Mid
U51HP-012KM-43	2 600	380	Ø 51	12	27	Integrated	No	Ambient Air	Low
U51HP-024KM-43	2 600	380	Ø 51	24	28	Integrated	No	Ambient Air	Low
U64HM-006GK-2	415	295	Ø 64	6	2.52	Brushed Motor	No	Ambient Air	Low
U65H2-024KX-6	6 950	330	Ø 65	18	60	Not included	Yes	100%	Mid
U65H4-024KX-6	6 950	330	Ø 65	18	60	Not included	Yes	100%	Mid
U65HN-024KS-6	9 500	435	Ø 65	24	90	Not included	Yes	100%	High
U65ML-012KS-5	3 600	260	Ø 65	12	24	Not included	Yes	Ambient Air	High
U65ML-024KS-5	3 150	250	Ø 65	24	20	Not included	Yes	Ambient Air	High
U65ML-024KT-5	4 300	295	Ø 65	24	35	Not included	Yes	Ambient Air	High
U65MN-024KS-5	5 400	340	Ø 65	24	45	Not included	Yes	Ambient Air	High
U71HL-024KM-4	6 900	470	Ø 71	24	63	Integrated	No	Ambient Air	Low
U71HL-024KM-5	6 900	470	Ø 71	24	63	Not included	No	Ambient Air	Mid
U71HX-024KX-6	4 820	474	Ø 71	24	35	Not included	Yes	100%	Mid
U71MX-024KX-4	4 300	390	Ø 71	24	29	Integrated	Yes	Ambient Air	Low
U85HL-024KH-4	12 900	880	Ø 85	24	190	Integrated	No	Ambient Air	Low
U85HL-024KH-5	12 900	880	Ø 85	24	190	Not included	No	Ambient Air	Mid
U85MX-024KE-5	12 300	860	Ø 85	21	183	Not included	Yes	40%	Mid
U85MX-024KX-4	12 300	860	Ø 85	21	183	Integrated	Yes	Ambient Air	Low
U85MX-024KX-5	12 300	860	Ø 85	21	183	Not included	Yes	40%	Mid
U97EM-012KK-3	905	575	Ø 97	12	7.4	Brushed Motor	No	Ambient Air	Low
U97EM-024KK-3	725	540	Ø 97	24	5.4	Brushed Motor	No	Ambient Air	Low
U97HL-024KM-4	1 700	800	Ø 97	24	22	Integrated	No	Ambient Air	Low
U97HL-012KK-4	1 400	725	Ø 97	12	18	Integrated	No	Ambient Air	Low
U97HL-024KK-4	1 700	800	Ø 97	24	19.3	Brushed Motor	No	Ambient Air	Low
U97LM-005KK-1	650	490	Ø 97	5	4	Brushed Motor	No	Ambient Air	Low



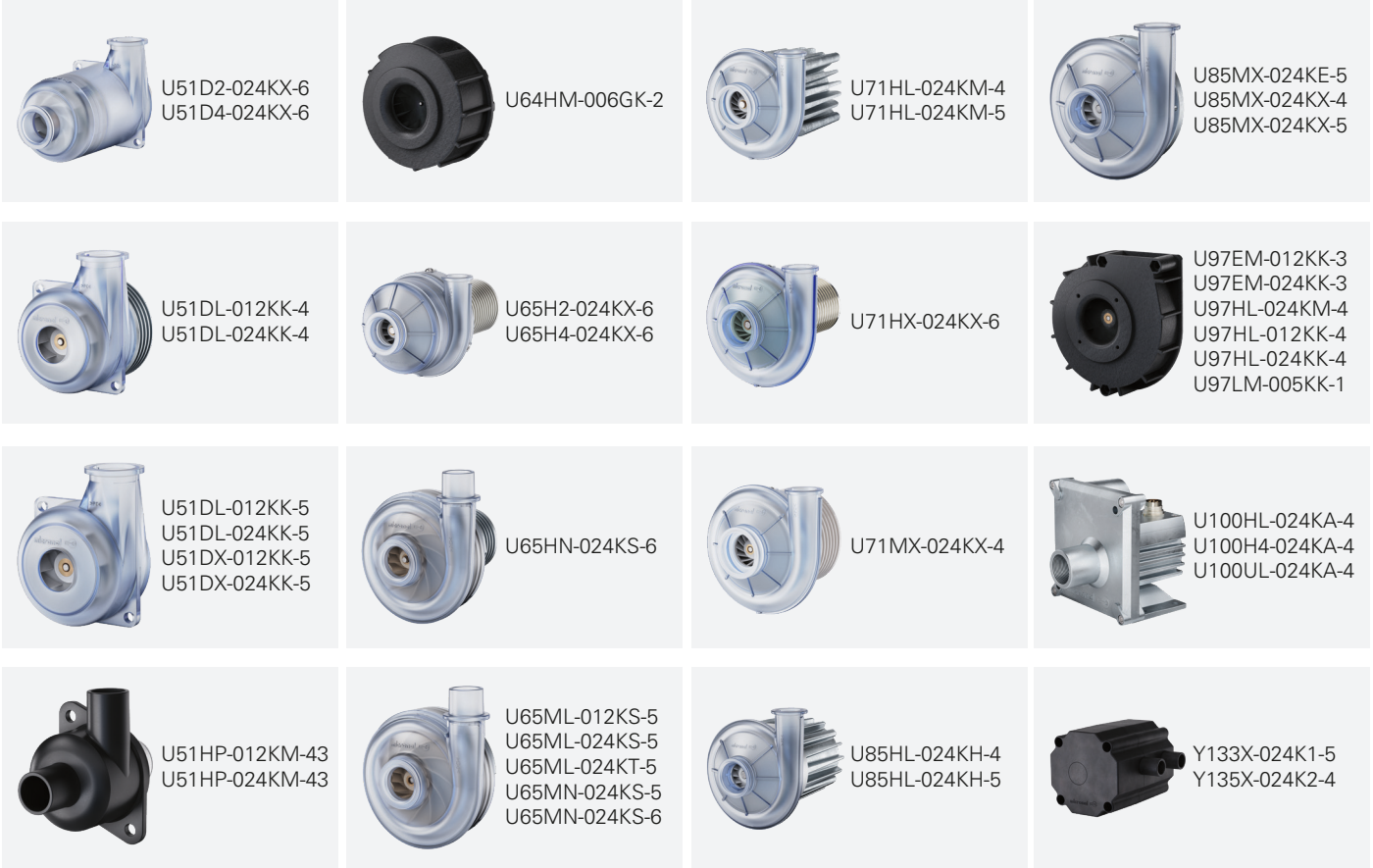
High performance in a minimum of space. For demanding suction, vacuum and pressure applications and especially ventilator applications with highly dynamic operating modes. Designed primarily for the medical field. For further technical information visit www.micronel.com.

	Static Pressure	Freeflow	Size	Voltage	Max. Power Consumption	Brushless Driver	For Medical Breathing	O2 Resistance	Acceleration
Part Number	Pa	l/min	mm	VDC	W				
U100HL-024KA-4	11 400	865	106 x 106	24	161	Integrated	No	Ambient Air	Low
U100UL-024KA-4	11 400	865	106 x 106	24	161	Integrated	No	Ambient Air	Low
U100H4-024KA-4	18 000	860	106 x 106	24	250	Integrated	No	Ambient Air	Low

Silent Units with integrated Blower:									
Y133X-024K1-5 ⁽¹⁾	7 300	330	Ø 65	18	41	Not included	Yes	100%	Mid
Y135X-024K2-4 ⁽²⁾	6 500	460	Ø 71	24	70	Integrated	No	Ambient Air	Low

⁽¹⁾ With U65H4-024KX-6 integrated (for evaluation purposes only)
⁽²⁾ With U71HL-024KM-4 integrated

The following product pictures indicate an approximate overview about our radial blowers. For detailed pictures please visit www.micronel.com.



Where Forced Flow Is Needed

Tube Fans | D-Line

	Static Pressure	Freeflow	Size	Voltage	Max. Power Consumption	Brushless Driver	For Medical Breathing	O2 Resistance	Acceleration
Part Number	Pa	l/min	mm	VDC	W				
D241L-012KH-5	170	90	Ø 24	12	1.38	External	No	Ambient Air	Low
D241P-006KH-4	282	121	Ø 24	6	1.68	Integrated	No	Ambient Air	Low
D301L-012GK-2	130	146	Ø 30	12	0.58	Brushed Motor	No	Ambient Air	Low
D301L-012KH-5	285	280	Ø 30	12	2.28	External	No	Ambient Air	Low
D301L-024GK-2	130	146	Ø 30	24	0.53	Brushed Motor	No	Ambient Air	Low
D301P-006KH-4	337	313	Ø 30	6	3.31	Integrated	No	Ambient Air	Low
D303L-012GK-2	130	146	Ø 30	12	0.58	Brushed Motor	No	Ambient Air	Low
D303L-024GK-2	130	146	Ø 30	24	0.53	Brushed Motor	No	Ambient Air	Low
D304L-012GK-2	130	146	Ø 30	12	0.58	Brushed Motor	No	Ambient Air	Low
D304L-024GK-2	130	146	Ø 30	24	0.53	Brushed Motor	No	Ambient Air	Low
D341P-012KM-4	641	484	Ø 34	12	4.97	Integrated	No	Ambient Air	Low
D341P-024KM-4	669	492	Ø 34	24	5.17	Integrated	No	Ambient Air	Low
D341T-012GK-2	220	276	Ø 34	12	0.96	Brushed Motor	No	Ambient Air	Low
D341T-024GK-2	220	276	Ø 34	24	0.96	Brushed Motor	No	Ambient Air	Low
D343T-012GK-2	220	276	Ø 34	12	0.96	Brushed Motor	No	Ambient Air	Low
D343T-024GK-2	220	276	Ø 34	24	0.96	Brushed Motor	No	Ambient Air	Low
D344T-012GK-2	220	276	Ø 34	12	0.96	Brushed Motor	No	Ambient Air	Low
D344T-024GK-2	220	276	Ø 34	24	0.96	Brushed Motor	No	Ambient Air	Low
D481P-012KM-4	890	1 060	Ø 48	12	19.1	Integrated	No	Ambient Air	Low
D481P-024KM-4	930	1 080	Ø 48	24	19.6	Integrated	No	Ambient Air	Low
D481T-012KA-3	325	634	Ø 48	12	3.5	Brushed Motor	No	Ambient Air	Low
D481T-024KA-3	285	570	Ø 48	24	2.9	Brushed Motor	No	Ambient Air	Low
D483T-012KA-3	325	634	Ø 48	12	3.5	Brushed Motor	No	Ambient Air	Low
D483T-024KA-3	285	570	Ø 48	24	2.9	Brushed Motor	No	Ambient Air	Low
D484T-012KA-3	325	634	Ø 48	12	3.5	Brushed Motor	No	Ambient Air	Low
D484T-024KA-3	285	570	Ø 48	24	2.9	Brushed Motor	No	Ambient Air	Low
D484T-024KM-4	920	1 100	Ø 48	24	16.56	Integrated	No	Ambient Air	Low
D591T-012KA-3	395	1 192	62 x 62	12	6.68	Brushed Motor	No	Ambient Air	Low
D591T-024KA-3	366	1 143	62 x 62	24	5.54	Brushed Motor	No	Ambient Air	Low
D601P-024KM-4	820	1 910	Ø 60	24	32.3	Integrated	No	Ambient Air	Low
D601T-012KA-3	395	1 192	Ø 60	12	6.68	Brushed Motor	No	Ambient Air	Low
D601T-024KA-3	366	1 143	Ø 60	24	5.54	Brushed Motor	No	Ambient Air	Low
D603T-012KA-3	395	1 192	Ø 60	12	6.68	Brushed Motor	No	Ambient Air	Low

The D-Line provides high air flow rates with consistently high pressure behavior. The ideal solution for suction, ventilation and cooling applications of all kinds.

For further technical information visit www.micronel.com.



	Static Pressure	Freeflow	Size	Voltage	Max. Power Consumption	Brushless Driver	For Medical Breathing	O2 Resistance	Acceleration
Part Number	Pa	l/min	mm	VDC	W				
D603T-024KA-3	366	1 143	Ø 60	24	5.54	Brushed Motor	No	Ambient Air	Low
D604T-012KA-3	395	1 192	Ø 60	12	6.68	Brushed Motor	No	Ambient Air	Low
D604T-012KM-4	395	1 192	Ø 60	12	6.68	Integrated	No	Ambient Air	Low
D604T-024KA-3	366	1 143	Ø 60	24	5.54	Brushed Motor	No	Ambient Air	Low
D604T-024KM-4	366	1 143	Ø 60	24	5.54	Integrated	No	Ambient Air	Low
D606M-024KA-3	230	1 500	Ø 60	24	7.2	Brushed Motor	No	Ambient Air	Low
D801T-012KA-3	350	2 590	Ø 80	24	16	Brushed Motor	No	Ambient Air	Low
D801T-024KA-3	330	2 485	Ø 80	24	12.9	Brushed Motor	No	Ambient Air	Low
D803T-012KA-3	350	2 590	Ø 80	12	16	Brushed Motor	No	Ambient Air	Low
D803T-024KA-3	330	2 485	Ø 80	24	12.9	Brushed Motor	No	Ambient Air	Low
D804T-012KA-3	350	2 590	Ø 80	12	16	Brushed Motor	No	Ambient Air	Low
D804T-024KA-3	330	2 485	Ø 80	24	12.9	Brushed Motor	No	Ambient Air	Low

The following product pictures indicate an approximate overview about our tube fans.
For detailed pictures please visit www.micronel.com.



Where Primarily Flow Is Needed

Flat Fans | F-Line

	Static Pressure	Freeflow	Size	Voltage	Max. Power Consumption	Brushless Driver	For Medical Breathing	O2 Resistance	Acceleration
Part Number	Pa	l/min	mm	VDC	W				
C4010H05BPLB2a-7	36	160	40 x 40	5	0.75	Integrated	No	Ambient Air	Low
C4010H12BPLB2a-7	36	160	40 x 40	12	0.74	Integrated	No	Ambient Air	Low
C4010H24BPLB2a-7	66	230	40 x 40	24	1.3	Integrated	No	Ambient Air	Low
C4020H05BPLB2a-5	48	240	40 x 40	5	1.25	Integrated	No	Ambient Air	Low
C4020H12BPLB2a-5	48	240	40 x 40	12	1.44	Integrated	No	Ambient Air	Low
C4020H24BPLB2a-5	48	240	40 x 40	24	1.44	Integrated	No	Ambient Air	Low
C5010H05BPLB2a-7	46	380	50 x 50	5	1.35	Integrated	No	Ambient Air	Low
C5010H12BPLB2a-7	46	380	50 x 50	12	1.62	Integrated	No	Ambient Air	Low
C5010H24BPLB2a-7	46	380	50 x 50	24	1.44	Integrated	No	Ambient Air	Low
C5015H05BPLB2a-7	48	510	50 x 50	5	1.5	Integrated	No	Ambient Air	Low
C5015H24BPLB2a-7	48	510	50 x 50	24	2.4	Integrated	No	Ambient Air	Low
C6020H24BPLB2a-7	61	590	60 x 60	24	2.09	Integrated	No	Ambient Air	Low
C6025H12BPLB2a-7	87	690	60 x 60	12	2.88	Integrated	No	Ambient Air	Low
C6025H24BPLB2a-7	87	690	60 x 60	24	3	Integrated	No	Ambient Air	Low
C7025H12BPLB2a-7	48	1 020	70 x 70	12	2.16	Integrated	No	Ambient Air	Low
C7025H24BPLB2a-7	48	1 020	70 x 70	24	2.16	Integrated	No	Ambient Air	Low
C8015H12BPLB2a-7	31	990	80 x 80	12	1.92	Integrated	No	Ambient Air	Low
C8015H24BPLB2a-7	31	990	80 x 80	24	2.4	Integrated	No	Ambient Air	Low
C8025H12BPLB2a-7	35	1 120	80 x 80	12	1.78	Integrated	No	Ambient Air	Low
C8025H24BPLB2a-7	35	1 120	80 x 80	24	1.78	Integrated	No	Ambient Air	Low
C9225H12BPLB2a-7	41	1 580	92 x 92	12	2.64	Integrated	No	Ambient Air	Low
C9225H24BPLB2a-7	41	1 580	92 x 92	24	2.88	Integrated	No	Ambient Air	Low
D2510L05BPLB1b-5	20	39	25 x 25	5	0.7	Integrated	No	Ambient Air	Low
D2510M05BPLB1b-5	40	57	25 x 25	5	0.95	Integrated	No	Ambient Air	Low
D2510L12BPLB1b-5	20	39	25 x 25	12	0.72	Integrated	No	Ambient Air	Low
D2510M12BPLB1b-5	40	57	25 x 25	12	0.84	Integrated	No	Ambient Air	Low
F16LM-003GK-9	5	12	16 x 16	3	0.07	Integrated	No	Ambient Air	Low
F17LM-005GK-9	10	15	17 x 17	5	0.2	Integrated	No	Ambient Air	Low
F62LM-005GK-0	21	290	62 x 62	5	0.37	Integrated	No	Ambient Air	Low
F62LM-012GK-0	21	290	62 x 62	12	0.5	Integrated	No	Ambient Air	Low
F62LM-024GK-0	23	300	62 x 62	24	0.74	Integrated	No	Ambient Air	Low
F62MM-005GK-0	29	360	62 x 62	5	0.84	Integrated	No	Ambient Air	Low
F62MM-012GK-0	29	360	62 x 62	12	0.74	Integrated	No	Ambient Air	Low

For cooling electronics or to dispel odors or heat. Wherever air must be displaced - the F-Line is the right choice. These products are particularly well-suited for applications with large airflow volumes.

For further technical information visit www.micronel.com.



	Static Pressure	Freeflow	Size	Voltage	Max. Power Consumption	Brushless Driver	For Medical Breathing	O2 Resistance	Acceleration
Part Number	Pa	l/min	mm	VDC	W				
F62MM-024GK-0	29	360	62 x 62	24	0.98	Integrated	No	Ambient Air	Low
F62MQ-005GK-0	29	360	62 x 62	5	0.84	Integrated	No	Ambient Air	Low
F62MQ-012GK-0	29	360	62 x 62	12	0.74	Integrated	No	Ambient Air	Low
F62MQ-024GK-0	29	360	62 x 62	24	0.98	Integrated	No	Ambient Air	Low
K9238H24BPLB2a-7	224	3 760	92 x 92	24	15.36	Integrated	No	Ambient Air	Low
R1225Y24BPLB2a-7	132	3 660	120 x 120	24	8.88	Integrated	No	Ambient Air	Low
R1238Y12BPLB2a-7	177	4 750	120 x 120	12	15.2	Integrated	No	Ambient Air	Low
R1238Y24BPLB2a-7	177	4 750	120 x 120	24	13.92	Integrated	No	Ambient Air	Low

The following product pictures indicate an approximate overview about our flat fans.
For detailed pictures please visit www.micronel.com.



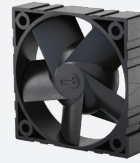
C4010H05BPLB2a-7
C4010H12BPLB2a-7
C4010H24BPLB2a-7



C6020H24BPLB2a-7



C8025H12BPLB2a-7
C8025H24BPLB2a-7



F62LM-005GK-0
F62LM-012GK-0
F62LM-024GK-0
F62MM-005GK-0
F62MM-005GK-0



C4020H05BPLB2a-5
C4020H12BPLB2a-5
C4020H24BPLB2a-5



C6025H12BPLB2a-7
C6025H24BPLB2a-7



C9225H12BPLB2a-7
C9225H24BPLB2a-7



F62MQ-005GK-0
F62MQ-012GK-0
F62MQ-024GK-0



C5010H05BPLB2a-7
C5010H12BPLB2a-7
C5010H24BPLB2a-7



C7025H12BPLB2a-7
C7025H24BPLB2a-7



D2510L05BPLB1b-5
D2510M05BPLB1b-5
D2510L12BPLB1b-5
D2510M12BPLB1b-5



K9238H24BPLB2a-7



C5015H05BPLB2a-7
C5015H24BPLB2a-7



C8015H12BPLB2a-7
C8015H24BPLB2a-7



F16LM-003GK-9
F17LM-005GK-9



R1225Y24BPLB2a-7
R1238Y12BPLB2a-7
R1238Y24BPLB2a-7

Electronics & Accessories

Some Major Products

Micronel Motor Driver Box MDB-48/10

The versatile development tool for your application with an included configuration software. Sensored or sensorless operation.

	Part Number	Product Type	Features	Suitable Products
	H023B-048ZX-0 Box S0500-00001	Motor Driver Box MDB-48/10 Choke Module MCM-33/10	106.2 x 86.4 x 34.6 mm 60 x 50 x 13 mm	Blowers with brushless motors Motor Driver Box MDB-48/10 and Motor Driver Module MDM-48/10

Micronel Mini Smart Driver Module MSDM-24/10

This powerful, sensorless compact driver can operate blowers and motors without Hall sensors.

	Part Number	Product Type	Features	Suitable Products
	New Article	Driver Module MSDM-24/10	12 to 24 V _{DC} , 10 Amps Sensorless, analog and PWM set-speed inputs	Blowers without integrated driver electronics & brushless motors.

Preliminary

Micronel Air Knife

Blow-off device for a consistent air stream.

	Part Number	Product Type	Features	Suitable Products
	S4000-00001 S4000-00002 S4000-00003	Micronel Air Knife 40 Micronel Air Knife 60 Micronel Air Knife 80	40 x 1.5 mm 60 x 1.2 mm 80 x 1.2 mm	U85HL-024KM-42 /-43 /-52 /-53, U85HL-024KM-42 /-43 /-52 /-53, U100HL, U100UL, U100H4

Micronel Silent Box

Noise attenuation housing with 25 mm inlet and outlet nozzles.

	Part Number	Product Type	Features	Suitable Products
	S1100-00001	Micronel Silent Box	157 x 140 x 97 mm	U71HL-024KM-43 U85HL-024KH-43 U85MX-024KX-43

Micronel Silencer

Inlet / Outlet silencer for reducing flow noises.

	Part Number	Product Type	Features	Suitable Products
	S1900-00001	Micronel Silencer	127 x 41 mm	U100HL, U100UL, U100H4

Micronel Rubber Buffer

Rubber buffer for protecting against vibrations.

	Part Number	Product Type	Features	Suitable Products
	S5300-00001 S5300-00002 S5300-00003	Micronel Rubber Buffer M6 x 16 Micronel Rubber Buffer M6 x 15 Micronel Rubber Buffer M4 x 6	Ø 15 mm x 15 mm, 4 Stück Ø 15 mm x 20 mm, 4 Stück Ø 15 mm x 15 mm, 4 Stück	U100HL, U100UL, U100H4 U51DL /-42 /-43 /-52 /-53 U85HL

This is a selection of our range of accessories and electronics. For further items and information, please visit www.micronel.com.



Micronel Air-Filter and Filter Cartridge (Paper)

Suction filter for protecting the blower from contaminants, filtering degree 5 µm.

	Part Number	Product Type	Features	Suitable Products
	S8100-00001 S8100-00002	Micronel Air-Filter (Paper) Micronel Filter Cartridge (Paper)	Ø 120 x 110 mm Ø 110 x 60 mm	U100HL, U100UL, U100H4

Micronel Air-Filter and Filter Cartridge (Polyester)

Filter element for protecting the blower from contaminants, filtering degree 10 µm.

	Part Number	Product Type	Features	Suitable Products
	S8200-00001 S8200-00002	Micronel Air-Filter (Polyester) Micronel Filter Cartridge	Ø 106 x 90 mm Ø 106 x 55 mm	U100HL, U100UL, U100H4

Micronel Vacuum Filter VFU1000

Vacuum filter including paper filter insert, filter fineness 3 µm.

	Part Number	Product Type	Features	Suitable Products
	S8300-00005 S8100-00003	Vacuum Filter VFU1000 Filter Cartridge VFU1000	Ø 102 x 91 mm Ø 63 x 69 mm	Options from U71HL, U85HL & U85MX (-41/-42/-43/-51/-52/-53) and U100HL, U100UL, U100H4

Micronel Vacuum Filter VFU1600

Vacuum filter including paper filter insert, filter fineness 10 µm.

	Part Number	Product Type	Features	Suitable Products
	S8100-00006 S8100-00004	Vacuum Filter VFU1600 Filter Cartridge VFU1600	Ø 135 x 100 mm Ø 98 x 71 mm	Options from U85HL & U85MX (-41/-42/-43/-51/-52/-53) and U100HL, U100UL, U100H4

Micronel Connector-Set M450X

Molex connector (Mini-Fit, six-pole) with connector cable.

	Part Number	Product Type	Features	Suitable Products
	M450X-527A9	Connector-Set M450X	300 mm (+/- 15 mm) Stranded wires Ø 1.5 mm²	U65M2-, U65MX- and U85MX-024KX-4 U85HL-024KH-4

Micronel Cable U100X-M16 6-Pol

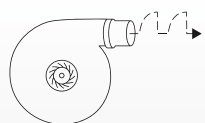
Six-pole M16 plug with connection cable. Straight plug. Thickness of 6.5 mm and stranded wires Ø 0.75 mm².

	Part Number	Product Type	Features	Suitable Products
	S0400-10001 /-2 /-3 S0400-20001 /-2 /-3	Cable U100X-M16 6-Pol Cable U100X-M16 6-Pol	90° angle, 2.5 / 5 / 10 m length Straight, 2.5 / 5 / 10 m length	U100HL, U100UL, U100H4

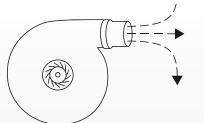
Applications and Markets

Worldwide in Use

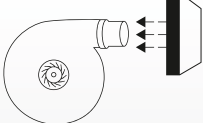
Micronel fans, blowers and modifications are encountered in various applications - worldwide and spread over 26 market segments. More than 100 international companies rely on our powerful innovations and appreciate the cooperation with Micronel and our premise „Made in Switzerland“.



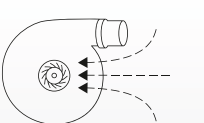
Breathing
Medical breathing and air purifying respiration (PAPR)



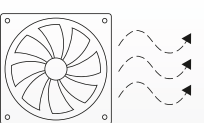
Pressurizing
Including inflation and dry & clean blowing



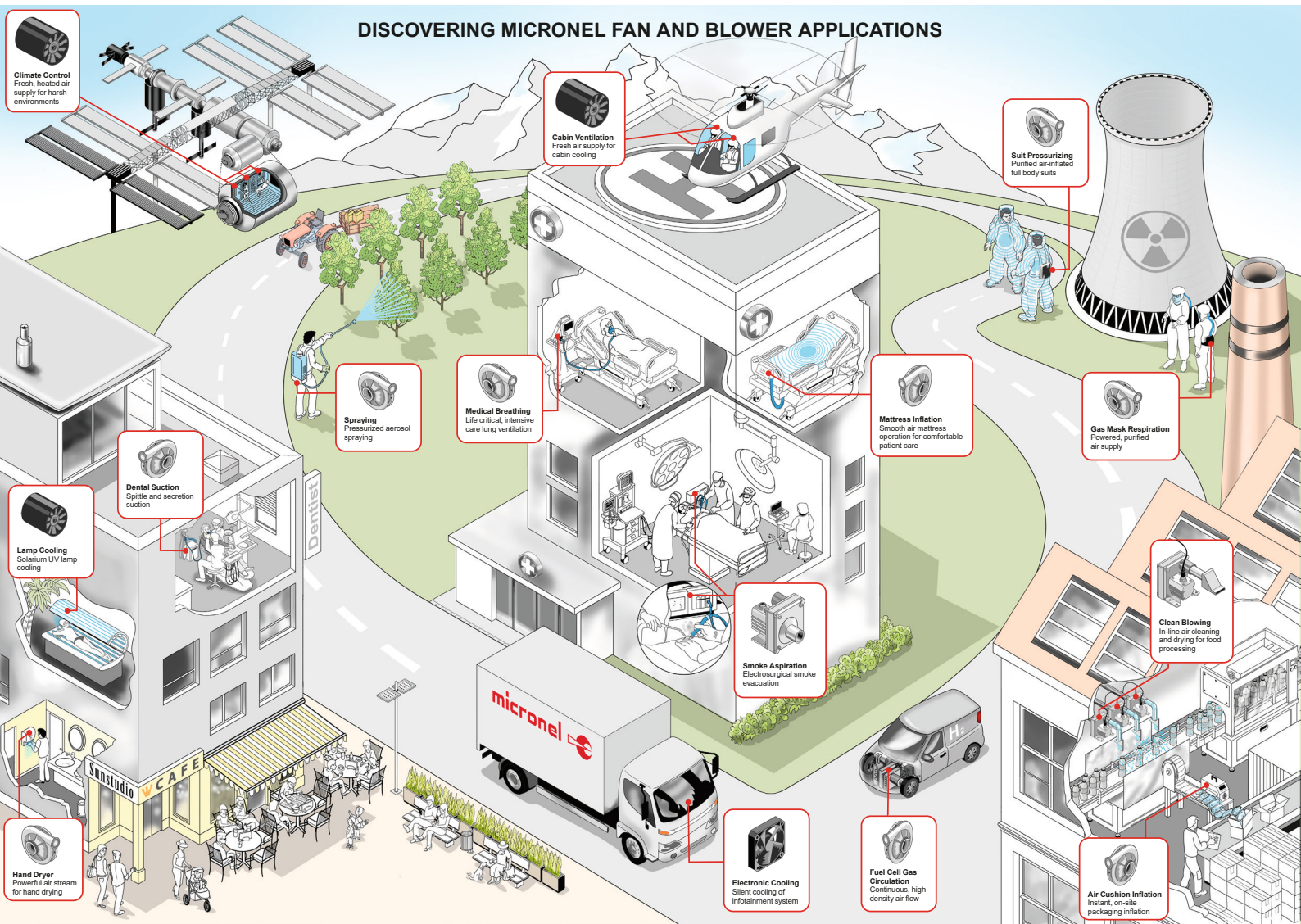
Vacuum
Negative pressure, no flow



Suction
Including aspiration and air sampling



Venting
Spraying, ventilation and cooling



The best things are often hidden behind the scenes; Micronel products are usually permanently installed and not visible from the outside. This is why quality must be ensured all the more from the outset.



Medical

Surgery	Laboratory & Pharma
ICU & Clinical Care	Veterinary
Transport & Emergency	Therapy & Home Care
Optometry	Skin & Beauty
Dental	Recreation & Sports

Micronel technology delivers powerful, dynamic and quiet solutions for medical respirators and systems for sleep-apnea therapy. Our products perform reliably and responsibly in analysis and laboratory equipment as well as in the dental sector.



Industry

Defense & Aerospace	Packaging & Printing
Energy & Power	Automotive
Transportation	Test & Measurement
Construction & Building	Computing & Data
Farming & Food	Gastronomy & Entertainment
Automation	Home Appliances

Industrial solutions must be cost-effective, robust and lasting. Our powerful blowers meet these demands and convince due to the latest brushless motor technology.



Personal Protection

Defense	Industrial
First Responders	Laboratory

Deployed globally in industrial, military and civilian applications to provide either negative pressure/suction across filters or positive pressure to prevent the ingress of contaminated air into mask, suits and enclosures. Our blowers master the most difficult conditions to provide lifesaving protection.



Individual Solutions

Our Services

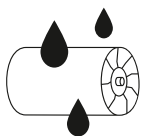
Our application and engineering expertise makes us the ideal partner for customer-specific developments, since 1968. We differentiate between fully customized solutions and product modifications.

Fully Customized Solutions

Are developed within the framework of customer projects according to exact, individual requirements.

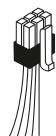
Product Modifications

Are based on our standard products and often concern typical product features or interfaces.



Sealings

Increased IP protection, ATEX or 100% gas tightness are typical individual adaptations.



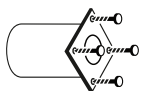
Cables and connectors

We assemble cable lengths, cable types or specific connectors.



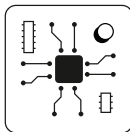
Motors

If specific operating voltages are required, we modify the windings.



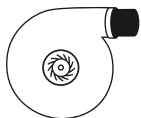
Fasteners

Individual fastening solutions are: Clamp, bayonet or screw connections.



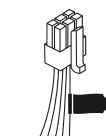
Electronics optimizations

For approvals, increased safety, specific functions or performance features.



Inlet and outlet adapter

Specific geometries, materials or spacers are available for selection.



Labels

We meet customer-specific marking and label types with flexible marking.



Fan impellers

Geometries and materials for specific pressure/flow characteristics and resistance.

About Us

Traditional Swiss Company

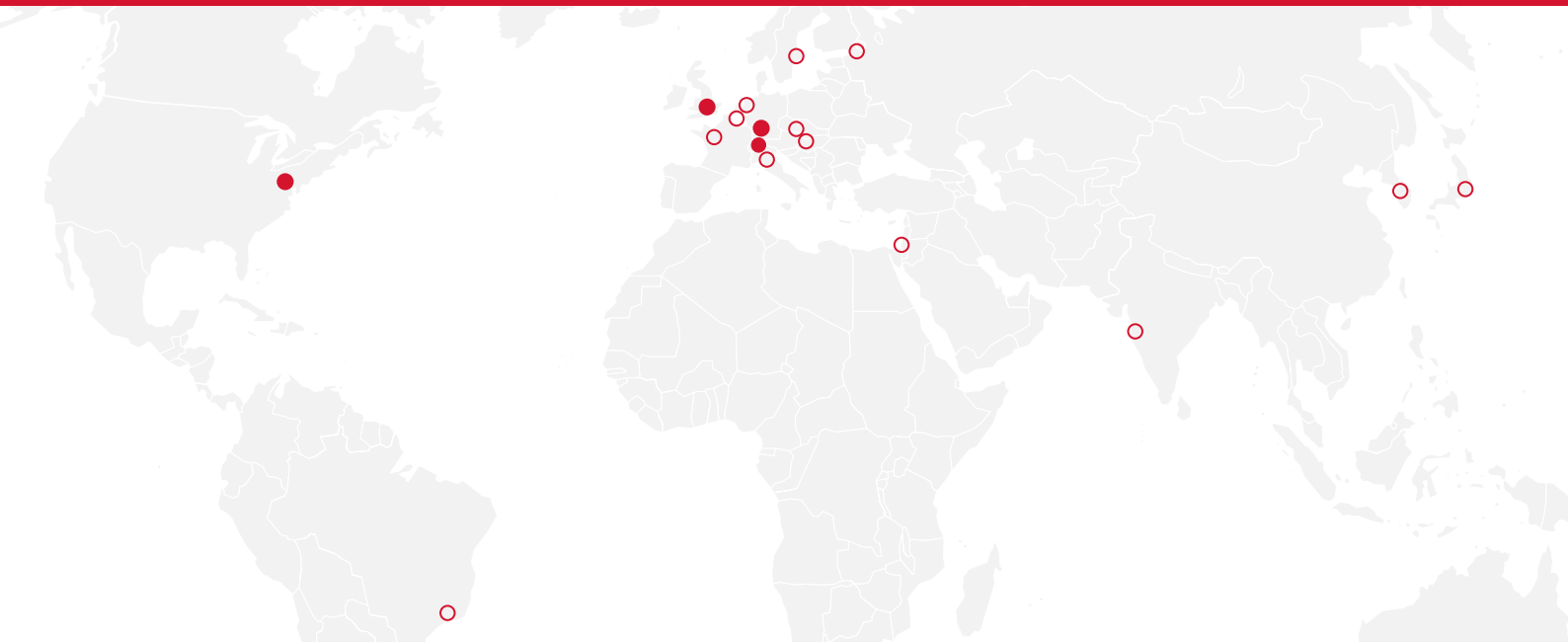


Our acoustics laboratory

Experience & Qualification

For the measurement of crucial parameters as well as for the simulation and testing of applications, we have our own in-house laboratories. Air delivery volume, pressure, voltage and current are the key parameters for a new development. The operating point is determined on the basis of a constructed situation in the flow laboratory. In the acoustics laboratory, initial reference values, performance requirements and fan types can already be defined in the prototype phase. Experience from long-term test runs is incorporated into every design. Our engineering team is characterized by many years of experience as well as extensive know-how in vacuum and pressure technology.

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