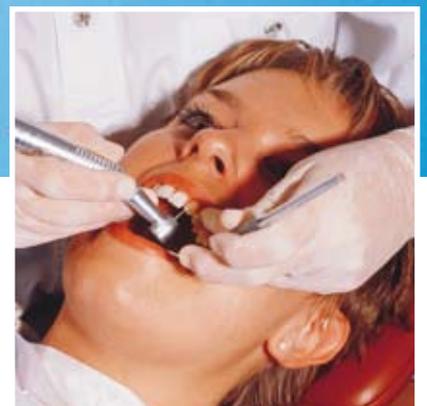


dental



clean and quiet

air

**JUN-AIR®**

# clean air for your dental clinic

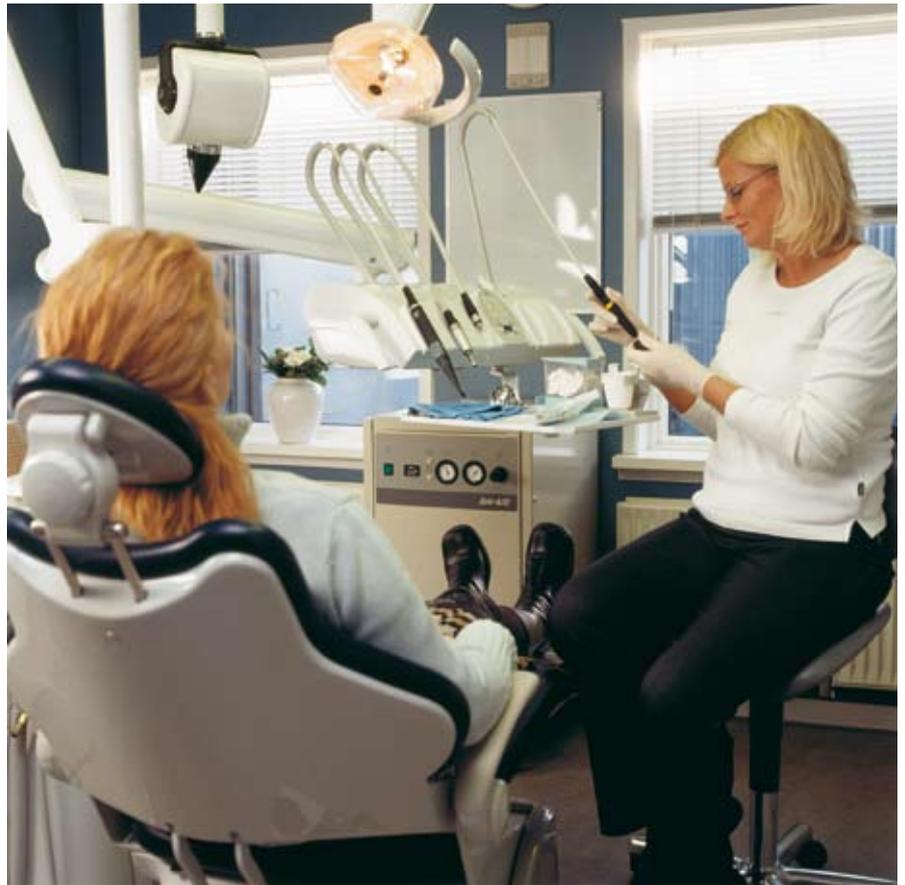


JUN-AIR introduced the first compressor almost 50 years ago and started the development of the technology and design, which has made JUN-AIR compressors the number one choice in dental clinics worldwide.

JUN-AIR invests in the latest technology. Consequently, the compressors have a compact and elegant design, reflecting quality and they are, therefore, highly suitable for installation at the place of use.

Performance and design will always play a key role in the further development of JUN-AIR compressors. At the same time, concern for the environment, low energy consumption, minimum maintenance and user-friendly operation are given high priority.

JUN-AIR supplies clean and quiet air - a complete compressed air solution for your dental clinic.



Sophisticated use of clean and dry compressed air within the dental industry results in an increasing demand for high quality air compressors.

JUN-AIR's extensive range complies with the company's traditional values - low noise level, reliability and long lifetime.

The standard products range from small models suitable for single users to large models suitable for clinics with up to 10 users.

In addition to the standard range, JUN-AIR offers a variety of accessories and large customized units, meeting the requirements of the individual customer and making JUN-AIR compressors the ideal choice for every dental clinic.

# a powerful range



Model OF1202-40BD3, ideal for clinics with up to 5 users



Model OF302-25B



Model 2xOF302-40MD2

## Oil-less compressors

All manufacturers of air-powered dental equipment (e.g. dental units, handpieces, micromotors, autoclaves, other hygiene products, equipment for dental laboratories, etc.), prescribe the use of clean air free from oil, particles and humidity.

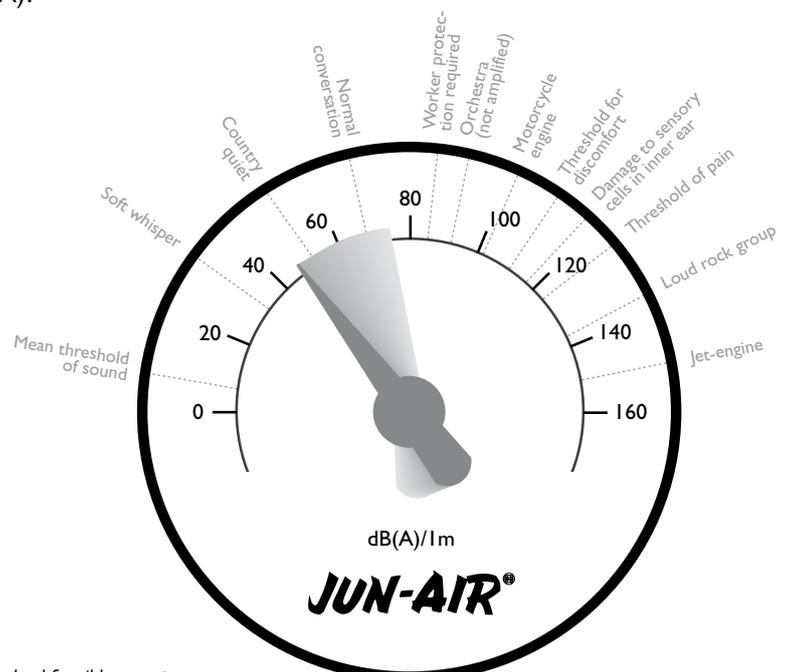
The oil-less JUN-AIR compressors meet these requirements. The compressors are quiet in operation and are rated for continuous duty. They are virtually maintenance-free with a long life expectancy. The compressor receivers are internally coated to resist corrosion and the compressors are suitable for single and multiple surgeries. Moreover, the units are available with adsorption air dryer to obtain the ultimate air quality.

## Oil-less in cabinet

In cases where the compressor needs to be located inside the clinic, absolute quietness is a necessity. The optimum dental solution in such cases is the M series where a metal cabinet reduces the noise by 75%, resulting in a noise level of only 47-60 dB(A).

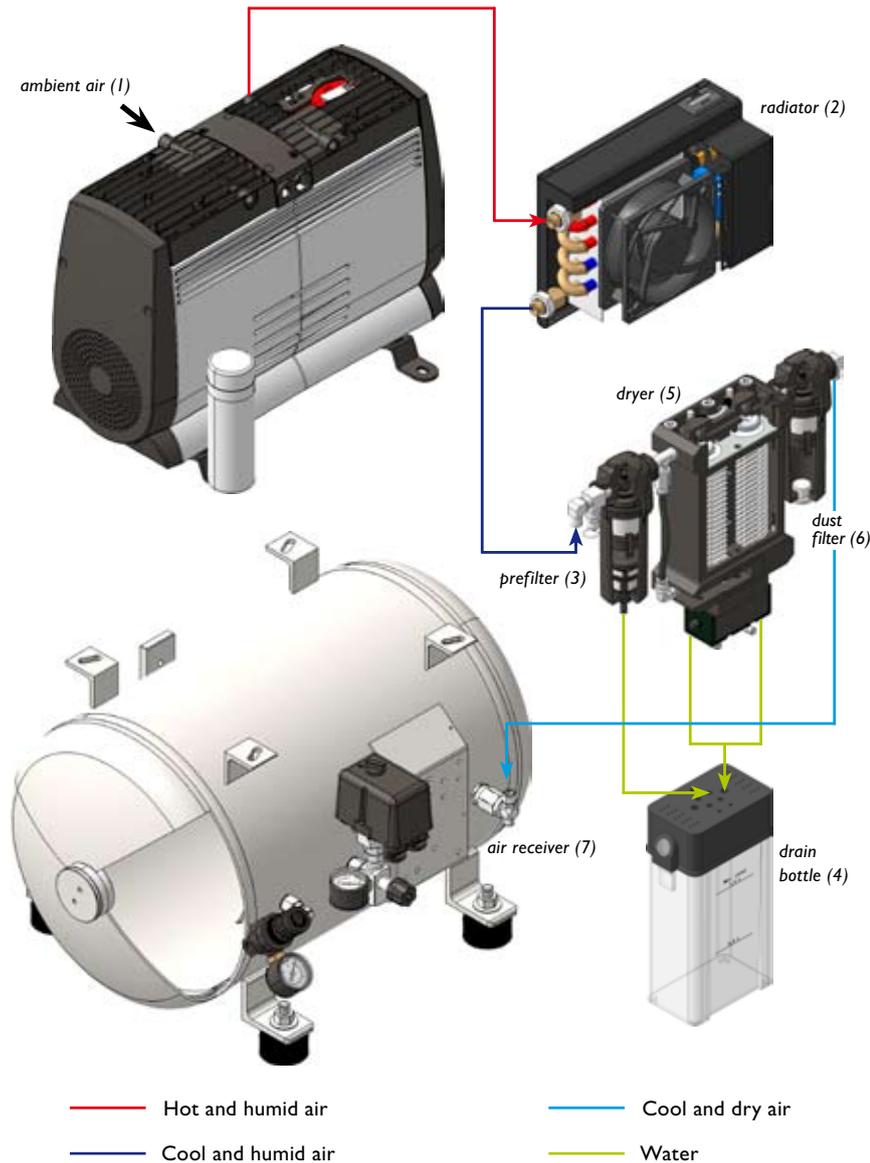
The cabinet versions are equipped with rubber castors for easy relocation and service.

Please consult your local JUN-AIR distributor for more information on the M series.



Noise level for oil-less compressors

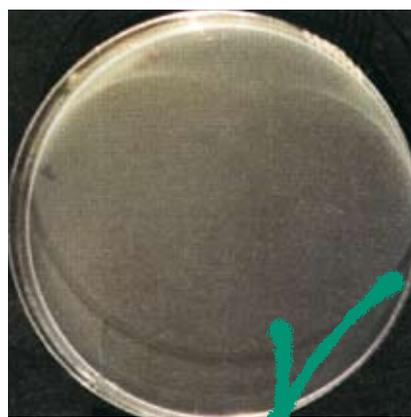
# clean and dry air



After compression (1), the air passes a radiator (2) to force as much vapour as possible to condense. The condensate (water) is trapped in the 0.01µm prefilter (3) and led to a bottle (4) for collection. The air enters the double-column adsorption air dryer (5), where the remaining vapour is removed. After having passed the dryer, the air is stored in the receiver (7), hygienically coated inside.



Sample from a compressor without dryer - moisture in the air provides ideal conditions for bacterial growth.



Sample taken from an oil-less compressor with dryer - as the air is dry, the risk of bacterial growth is eliminated.

Atmospheric air contains large amounts of water vapour. Unless the compressor is supplied with an efficient dryer, the major part of this water vapour will condense and change from vapour into liquid drops. This water together with the heat generated during compression, constitutes ideal conditions for the growth of microorganisms in the compressed air. Such bacteria are likely to be transferred to patients through handpieces and/or syringes.

In addition to the risk of causing contamination, water, dirt and oil in the compressed air also harm the adhesion of filling materials. And if the water is removed from the compressed air, the risk of corrosion of the equipment is eliminated.

The double-column adsorption air dryer immediately removes the water vapour, and conditions for survival of bacteria and development of corrosion are eliminated.

The dry air has a dewpoint of -40°C, which means that the air must be cooled to this temperature to condensate.

The compressed air stored for use is always 100% dry, clean and free from bacteria.

The compressor and the adsorption air dryer are designed for continuous duty and do not require standstill for regeneration. No excess capacity is required when designing an efficient compressed air system for the dental clinic based on JUN-AIR technology. Absolutely clean and dry air is always available.

When equipped with an adsorption air dryer, the JUN-AIR compressor provides compressed air, which is in accordance with the requirements of Pharmacopeia; the standard for medical air.

## Basic compressors suitable for 1-2 dental units

Model	OF302-25B	OF302-25BD2	OF1201-25HB	OF1201-25HBD2
				
Number of dental units	1	1	2	2
Mounted with dryer	No	Yes	No	Yes
Voltage	V	230	230	230
Frequency	Hz	50	50	50
Flow:				
(FAD) @ 0 bar	l/min	108	-	146
(FAD) @ 5 bar	l/min	48	38 <sup>2)</sup>	87
(FAD) @ 8 bar <sup>1)</sup>	l/min	38	30 <sup>2)</sup>	65
Tank size	litres	25	25	25
Weight	kg	28	33	43
Noise level	dB(A)/1m	65	65	77
Dimensions (l x w x h)	mm	380 x 380 x 610	510 x 460 x 610	634 x 413 x 626
				634 x 566 x 626

## Basic compressors suitable for 3-5 dental units

Model	2xOF302-40B	2xOF302-40BD2	OF1202-40B	OF1202-40BD3
				
Number of dental units	3	3	5	5
Mounted with dryer	No	Yes	No	Yes
Voltage	V	230	230/3x400 <sup>2)</sup>	230/3x400 <sup>2)</sup>
Frequency	Hz	50	50	50
Flow:				
(FAD) @ 0 bar	l/min	216	-	290
(FAD) @ 5 bar	l/min	95	77	160
(FAD) @ 8 bar <sup>1)</sup>	l/min	76	61	130
Tank size	litres	40	40	40
Weight	kg	46	59	59
Noise level	dB(A)/1m	68	68	76
Dimensions (l x w x h)	mm	560 x 450 x 610	560 x 540 x 630	556 x 443 x 678 <sup>4)</sup>
				556 x 581 x 678 <sup>4)</sup>

<sup>1)</sup> Higher pressure available upon request

<sup>2)</sup> Neutral required

<sup>3)</sup> Estimated value. Min. pressure required to operate dryer: 6 bar

<sup>4)</sup> 3-phase units are approx. 100 mm wider than 1-phase units

## Basic compressors suitable for 10 dental units

Model		2xOF1202-90B	2xOF1202-90BD6	2xOF1202-150B	2xOF1202-150BD6
					
Number of dental units		10	10	10	10
Mounted with dryer		No	Yes	No	Yes
Voltage	V	230/3x400 <sup>2)</sup>	230/3x400 <sup>2)</sup>	230/3x400 <sup>2)</sup>	230/3x400 <sup>2)</sup>
Frequency	Hz	50	50	50	50
Flow:					
(FAD) @ 0 bar	l/min	580	-	580	-
(FAD) @ 5 bar	l/min	320	256 <sup>3)</sup>	320	256 <sup>3)</sup>
(FAD) @ 8 bar <sup>1)</sup>	l/min	260	208 <sup>3)</sup>	260	208 <sup>3)</sup>
Tank size	litres	90	90	150	150
Weight	kg	115	132	129	146
Noise level	dB(A)/1m	79	79	79	79
Dimensions (l x w x h)	mm	930 x 530 x 860 <sup>4)</sup>	938 x 714 x 870 <sup>4)</sup>	1272 x 530 x 871 <sup>4)</sup>	1272 x 619 x 871 <sup>4)</sup>

## Cabinet compressors

Model		OF302-25M/MD2	OF1201-25M/MD2	2xOF302-40M/MD2	OF1202-40M/MD3	2xOF1202-40M/MD6
						
Number of dental units		1	2	3	5	8-10
Mounted with dryer		No Yes	No Yes	No Yes	No Yes	No Yes
Voltage	V	230 230	230 230	230 230	230/3x400 <sup>2)</sup> 230/3x400 <sup>2)</sup>	230/3x400 <sup>2)</sup> 230/3x400 <sup>2)</sup>
Frequency	Hz	50 50	50 50	50 50	50 50	50 50
Flow:						
(FAD) @ 0 bar	l/min	108 -	146	216 -	290 -	580
(FAD) @ 5 bar	l/min	48 38 <sup>3)</sup>	87 69 <sup>3)</sup>	96 77 <sup>3)</sup>	160 128 <sup>3)</sup>	320 256 <sup>3)</sup>
(FAD) @ 8 bar <sup>1)</sup>	l/min	38 30 <sup>3)</sup>	65 52 <sup>3)</sup>	76 61 <sup>3)</sup>	130 104 <sup>3)</sup>	260 208 <sup>3)</sup>
Tank size	litres	25 25	25 25	40 40	40 40	40 40
Weight	kg	78 83	88 98	107 112	116 121	162 179
Noise level	dB(A)/1m	47 47	58 58	50 50	60 60	63 63
Dimensions (l x w x h)	mm	720 x 460 x 860	720 x 460 x 860	670 x 650 x 860	670 x 650 x 860	670 x 780 x 860

<sup>1)</sup> Higher pressure available upon request

<sup>2)</sup> Neutral required

<sup>3)</sup> Estimated value. Min. pressure required to operate dryer: 6 bar

<sup>4)</sup> 3-phase units are approx. 100 mm wider than 1-phase units

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# JUN-AIR®

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HEALTH & SCIENCE GROUP

