

65 years of the best compressed air quality – Silver Airline compressors

Powerful, reliable – and far too nice to be banished to the basement!



Standard
ULPA U16
bacteria filter

A design encapsulating 65 years of experience

The best is yet to come

Powerful compressors from Dürr Dental have been the beating heart of dental surgeries around the world for many decades. From the market launch of the first oil-free compressor for dentistry right up to today's innovative solutions, Dürr Dental has always been at the forefront of developments in the field of dental medicine. The Silver Airline compressors, which represent the latest milestone on this journey, set the standard that all other systems have to live up to when it comes to performance and air quality.

Now they are even more convincing, based on the motto: Everything better. Because their true value is on the inside. Their internal technical perfection and functions make them the undisputed number one model for dentists who really appreciate quality and reliability.

Dürr Dental compressors are also certified as Class IIa medical devices in accordance with the MDR.

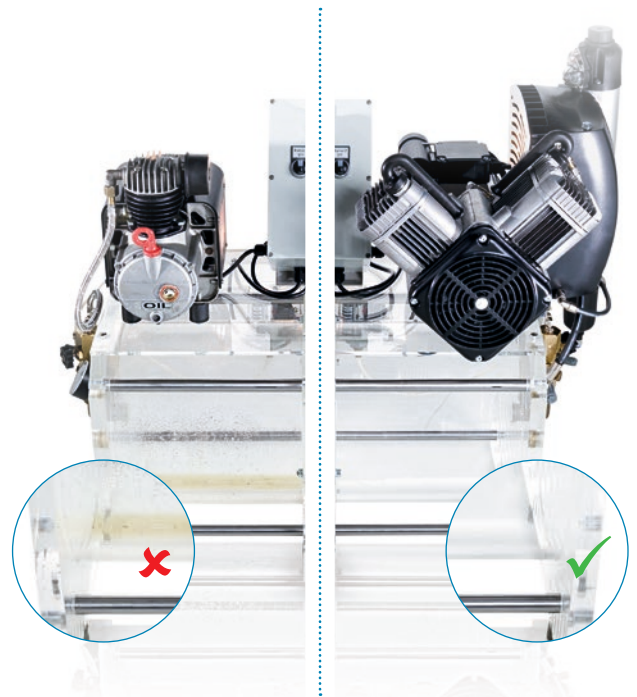
Quality is good, quality control is better

In order to ensure the highest quality standards, we manufacture almost exclusively in Germany. All products of our ISO-certified enterprise are subject to strict production standards and are constantly monitored.

This is what counts:

- State-of-the-art air drying technology
- Maximised reliability during day-to-day work for many years
- Safe operation and high-quality treatment results thanks to hygienic, oil-free compressed air
- Continuous, interruption-free operation – ideal for CAD/CAM milling and grinding machines





Oil-lubricated compressor without dry air unit

Oil-free duo compressor with membrane drying unit

Clean air, uncontaminated by water, oil or particulates, is an important hygiene factor in dental treatment. It also maintains the value of your instruments and work. For this reason, the quality of dental compressed air has been defined in the new ISO 22052, which is of course met by Dürrental compressors.

Dental compressed air has to be hygienic

The aim is to minimise the amount of moisture in dental compressed air and to prevent any contamination from oil or solid particulates. This is the task of the membrane drying unit. It reliably prevents moist environments from forming in the compressed air system and becoming breeding grounds for organisms. In this way, it provides a continuous supply of compressed air without any of the buffering times required for regeneration. A low-pressure dew point ensures hygienic, tasteless and odourless compressed air.

Interruption-free milling and grinding

Milling and grinding machines place tough demands on compressors. This is because the duty cycle of a compressor unit when running a milling machine far exceeds the duty cycle of normal dental operations. The Silver Airline compressors from Dürrental guarantee continuous, interruption-free operation thanks to high-quality system parts designed for maximum precision and quiet running. Combined with the membrane drying unit, this makes it easy to provide the uninterrupted compressed air supply that milling and grinding machines require.

The right compressed air for every application



It all comes down to performance

More than anything else, the selection of a compressor depends on the power reserves required and thus on the size of your surgery, the number of users and the number of other compressed air consumers, such as cleaning devices. Dür Dental offers models for all performance needs, from compact compressors for small surgeries to high-performance compressors for clinics. The array of products includes upgradable models that accommodate expanding surgeries and their growing needs for compressed air. Dür Dental and your specialist retailer will advise you on the right compressed air solution for your needs.

This is what counts:

- Selection of compressors for 2 to 16 users
- Optionally expandable via the Tandem principle
- High-performance compressors for large surgeries, clinics and dental laboratories
- Compressors with multiple units and an electronic control unit, suitable for networking via software
- Two Tandem compressors can be used in parallel in a single compressed air network

Primo

The Primo is the smallest of the Silver Airline series, which is ideally suited to a single user.



Duo

The classic compact compressor with 2-cylinder V unit and a 20-litre tank for 2 users.



Trio

The high-performance compressor with 3 cylinders and a 50-litre tank delivers sufficient reserves for up to 3 users.



Quattro

The powerful 4-cylinder compressor with a 50-litre tank for up to 4 users.



Twice as good – the Tandem version



A solution with options for more

Silver Airline compressors in the Tandem variant offer especially high future and operational security. The possibility of modular upgrades makes it a flexible solution with the option for more. The basic version of the Duo Tandem provides 2 users with a reliable compressed air supply from a single unit. The dimensions of the compressor tank enables it to incorporate 2 units. If you wish to expand your surgery, adding a unit will double the available output to 4 users. Intelligent control also permits the parallel operation of two Tandem compressors on one compressed air line, which expands the performance reserves. All these options help you flexibly react to future additional requirements for compressed air in the surgery or clinic.



The Tandem concept from Dürr Dental – the Duo Tandem with a single unit for 2 users. Suitable for modular expansion with a second unit for up to 4 users.

Duo Tandem

Solution with expandable performance. With its 50-litre tank it can work with 1 or 2 units for up to 4 users as required.



Quattro Tandem

Top performance for dental laboratories and large surgeries - a 90-litre tank with a choice of 1 or 2 units for up to 8 operators.

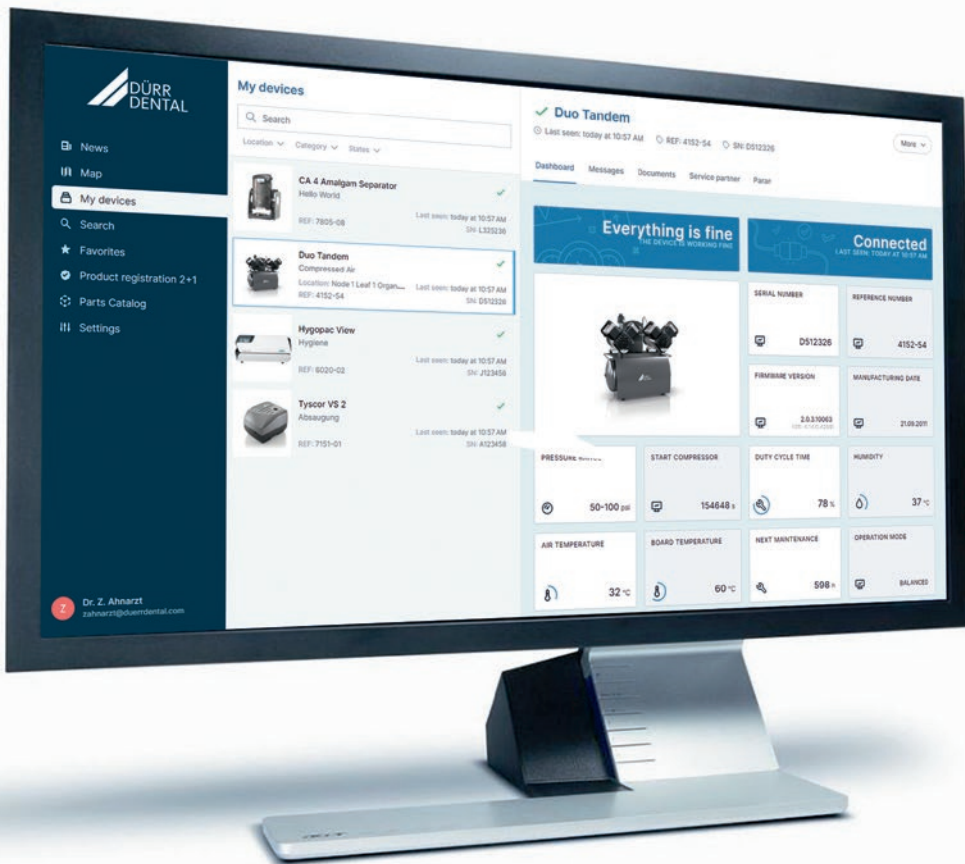


Quattro P 20

Maximum performance with a tiny footprint for dental laboratories and large surgeries. Redundant system for the highest reliability.



Stay relaxed with a clear view of everything – with VistaSoft Monitor



Go digital

In modern dental surgeries, it is commonplace to work with digital systems. From diagnostic imaging to hygiene documentation and invoicing, networked software solutions keep surgery staff constantly up to date.

The software integrates the supply systems in the surgery network, ensuring that a constant overview of the current status of monitored systems is always provided. The surgery is also automatically notified about upcoming maintenance tasks, such as filter changes on the compressor. In the event of a fault, the software will indicate whether you can remedy the problem yourself, or it offers the option of informing a service technician directly via e-mail. The technician can immediately look for a solution using a remote maintenance function.

This is what counts:

- Constant overview of all supply engineering via the PC
- Option of calling up operating statuses via the task bar on the PC
- Quick service call help via remote maintenance from the service technician
- Central management of connected devices
- Maintenance intervals always under control for maximum operational safety
- Quick and safe diagnosis when servicing
- Available for all Silver Airline compressors with electronic controls

Compressed air to meet the highest standards

Optimally suited to continuous operation of milling and grinding machines

When it comes to a reliable and continuous supply of compressed air, milling and grinding machines place particularly tough demands on compressors. The duty cycle of a CAD/CAM supply far exceeds the duty cycle of normal dental operations. A constant flow of oil-free, clean and dry compressed air is the top priority – after all, milling machines never take a break during operation.

Why is high-quality compressed air supply important for milling and grinding machines?

Manufacturers of CAD/CAM systems make clear specifications for the quality of the connected compressed air supply regarding particle, oil and water content. Moist compressed air can cause damage to the CAD/CAM system. Oil can also impair the quality of the milling result. With our membrane drying and bacteria filter, Dürr Dental compressors produce dry and oil-free compressed air – for the optimal result of your work. The air quality of Silver Airline compressors complies with the specifications of the new ISO 22052 for dental compressed air, and therefore also meets the specifications of CAD/CAM manufacturers.



This is what counts:

Membrane drying unit

- 100% duty cycle, no regeneration time required
- Constant dry, clean and oil-free compressed air in continuous operation

The tandem principle

- Simple adjustment of the pressure range thanks to electronic control
- High level of operational reliability with two independently operating units

VistaSoft Monitor

- Compressor status can be checked at any time from anywhere with VistaSoft Monitor
- Automatic display of the filter change

Bacteria filter

The Dürr Dental bacteria filter is a high-performance particulate air filter in filter class ULPA U16 according to standard EN 1822-1:2019-10 / ISO 65U according to standard ISO 29463-3:2018.

Membrane

Downstream of the coalescence filter, 1,200 interior-coated membrane hollow fibres remove moisture from the compressed air. The system delivers 100% availability without regeneration interruptions and provides a constant supply of dry compressed air during continuous operation. In this way, it protects valuable instruments and treatment results. Apart from an annual filter change, the system is maintenance-free.

Coalescence filter with water collecting container

Working as an inflow filter, the coalescence filter protects the subsequent components of the membrane drying unit. The water is drained through a valve via the collecting container.



Dürr Dental compressors

Model	Primo	Duo	Duo	Duo Tandem 1 unit	Duo Tandem 1 unit	Duo Tandem 2 units
Voltage (V)	230 (1~)	230 (1~)	400 (3~)	230 (1~)	400 (3~)	230 (1~)
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60
User	1	2	2	2	2	4
Tank capacity (l)	20	20	20	50	50	50
Delivery at 5 bar ¹⁾ (l/min)	61/71	125/145	125/145	125/145	125/145	253/292
Pressure range ²⁾ (bar)	6-7.8	6-7.8	6-7.8	6-7.8	6-7.8	6-7.8
Noise level ³⁾ [dB(A)]	65/66	66	66	66	66	69
Noise level in cabinet ³⁾ [dB(A)]	49/50	51	51	-	-	-
Dimensions (H x W x D cm)	69 x 49 x 47	69 x 49 x 47	69 x 49 x 47	76 x 75 x 52	76 x 75 x 52	76 x 79 x 52
Weight (kg)	45	50	50	65	70	95

Model	Duo Tandem 2 units	Trio	Quattro	Quattro Tandem 1 units	Quattro Tandem 2 units	Quattro P 20
Voltage (V)	400 (3~)	230 (1~)	400 (3~)	400 (3~)	400 (3~)	400 (3~)
Frequency (Hz)	50/60	50	50/60	50/60	50/60	50/60
User	4	3	4	4	8	16
Tank capacity (l)	50	50	50	90	90	90
Delivery at 5 bar ¹⁾ (l/min)	253/292	181	258/293	258/293	516/586	1032/1172
Pressure range ²⁾ (bar)	6-7.8	6-7.8	6-7.8	5.5-7.5	5.5-7.5	5.5-7.5
Noise level ³⁾ [dB(A)]	69	67	69	69	72	75
Noise level in cabinet ³⁾ [dB(A)]	-	49	53	-	-	-
Dimensions (H x W x D cm)	76 x 79 x 52	76 x 74 x 52	76 x 74 x 52	82 x 102 x 62	82 x 102 x 62	114 x 115 x 77
Weight (kg)	100	80	85	120	170	300

¹⁾ Flow rate without dry air ²⁾ Max pressure 9.5 bar ³⁾ Averaged values at 5 bar and 50 Hz

Accessories and filters



Soundproof cabinet, small



Soundproof cabinet, large



Pressure reducer



Bacteria filter



Coalescence filter



Air intake filter

Filter finder overview website:

<https://www.duerrdental.com/en/products/compressed-air/materials-and-accessories/filter-finder/>

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