

# Delivering unrivalled compressed air quality for over 65 years – Silver Airline compressors

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



Standard  
ULPA U16  
bacteria filter

# A design encapsulating over 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. In addition, Dürr Dental compressors are also certified as Class IIa medical devices in accordance with the Medical Device Regulation MDR (EU 2017/745).

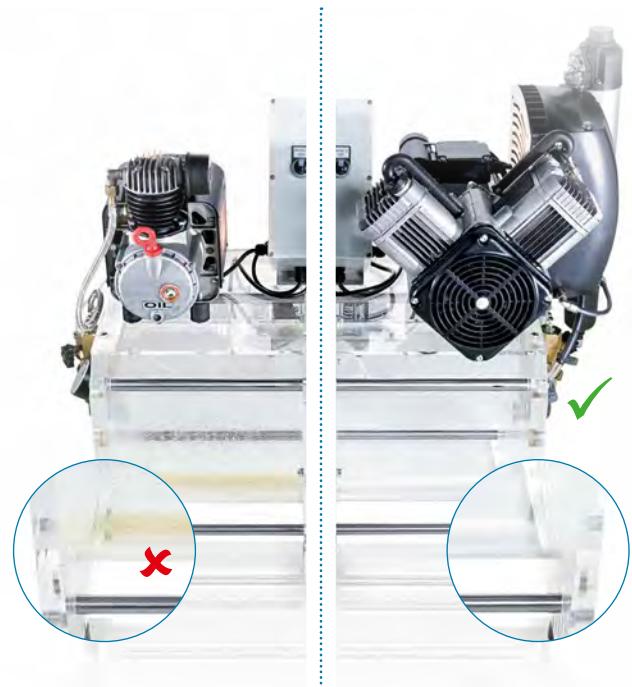
## Quality is good, quality control is better

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

### This is what counts:

- State-of-the-art air drying technology
- Maximised reliability during day-to-day work for many years
- Safe working and high-quality treatment results thanks to oil-free, dry and hygienic compressed air in accordance with the requirements set out in ISO 22052
- Class IIa certified medical device in accordance with MDR (EU 2017/745)





**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 Dürр Dental compressors.

### Dental compressed air has to be hygienic

The aim is to reduce the amount of moisture in dental compressed air to a minimum and prevent any contamination in the form of oil or solid particulates. This is the purpose 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.

# 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. Dürr 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. Dürr 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 1 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 users.



### 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.

Our 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 and reliability
- Quick and safe diagnosis when servicing
- Available for all Silver Airline compressors with electronic controls



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# Multi-stage filter system for hygienic compressed air with improved reliability

Compressed air for dental applications must be free of oil, dry and hygienic and must not have any particulate contaminants that are too large. This follows directly from section 5.3 in the relevant standard ISO 22052. This helps teams and their patients by ensuring that straight and contra-angle hand pieces, powder jet devices and treatment units all run smoothly. ISO 22052 sets out the quality requirements that are required to be met by compressed air for dental applications. Thanks to our membrane drying unit and the bacteria filter, Dürr Dental compressors generate dry, oil-free dental compressed air that meets the requirements of ISO 22052 – helping you to achieve optimum results in your work.



Bacteria filter set

## Preserving the value of your equipment and ensuring optimum air quality at all times: the right filters for your compressor

The filters installed in Dürr Dental compressors ensure that consistent performance is maintained and will help preserve the value of your compressed air system. Even in the best filters, germs, dirt and dust will build up over time. An annual filter change therefore ensures the best possible performance, while reducing wear and extending the service life of the entire compressed air system.

1

### Air intake filter

The first stage is the air intake filter on the unit. In the second stage, the coalescing filter provides particle-free and clean air to keep the high-value membrane protected against soiling and damage. Finally, the bacteria filter removes any remaining germs in stage three – resulting in hygienic compressed air.

3

### 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.

2

### Membrane

Downstream of the coalescing filter, 1,200 internally coated hollow membrane 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.

### Coalescing filter with water collecting container

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



Quick guide to filter changes:

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# Technical data at a glance

Model	Primo	Duo	Duo	Duo Tandem 1 Aggr	Duo Tandem 1 Aggr	Duo Tandem 2 Aggr	Duo Tandem 2 Aggr.
<b>Voltage (V)</b>	230 (1~)	230 (1~)	400 (3~)	230 (1~)	400 (3~)	230 (1~)	400 (3~)
<b>Frequency (Hz)</b>	50/60	50/60	50/60	50/60	50/60	50/60	50/60
<b>User</b>	1	2	2	2	2	4	4
<b>Tank capacity (l)</b>	20	20	20	50	50	50	50
<b>Delivery at 5 bar<sup>1)</sup> (l/min)</b>	61/71	125/145	125/145	125/145	125/145	253/292	253/292
<b>Pressure range<sup>2)</sup> (bar)</b>	6-7.8	6-7.8	6-7.8	5.5-7.5	5.5-7.5	5.5-7.5	5.5-7.5
<b>Noise level<sup>3)</sup> [dB(A)]</b>	65/66	66	66	66	66	69	69
<b>Noise level in cabinet<sup>3)</sup> [dB(A)]</b>	49/50	51	51	51/50	51/50	51/53	51/53
<b>Dimensions (H x W x D cm)</b>	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	76 x 79 x 52
<b>Weight (kg)</b>	45	50	50	65	70	95	100

Model	Trio	Quattro	Quattro Tandem 1 Aggr.	1x Quattro Tandem 2 Aggr.	Quattro P 20
<b>Voltage (V)</b>	230 (1~)	400 (3~)	400 (3~)	400 (3~)	400 (3~)
<b>Frequency (Hz)</b>	50	50/60	50/60	50/60	50/60
<b>User</b>	3	4	4	8	16
<b>Tank capacity (l)</b>	50	50	90	90	90
<b>Delivery at 5 bar<sup>1)</sup> (l/min)</b>	181	258/293	258/293	516/586	1032/1172
<b>Pressure range<sup>2)</sup> (bar)</b>	6-7.8	6-7.8	5.5-7.5	5.5-7.5	5.5-7.5
<b>Noise level<sup>3)</sup> [dB(A)]</b>	67	69	69	72	75
<b>Noise level in cabinet<sup>3)</sup> [dB(A)]</b>	49	53	-	-	-
<b>Dimensions (H x W x D cm)</b>	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
<b>Weight (kg)</b>	80	85	120	170	300

<sup>1)</sup> Delivery without dry air <sup>2)</sup> Max. pressure 9.5 bar <sup>3)</sup> Average values at 5 bar and 50 Hz



## Accessories and filters



Soundproof cabinet,  
small



Soundproof cabinet,  
large



Pressure reducer



Bacteria filter



Coalescing filter



Air intake filter



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