

# 65 years of best compressed air quality. Newly defined.

Powerful, reliable – and too nice for the the basement!



# A design encapsulating 65 years of experience

## Everything remains better

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 utility technology. 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 remains 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.

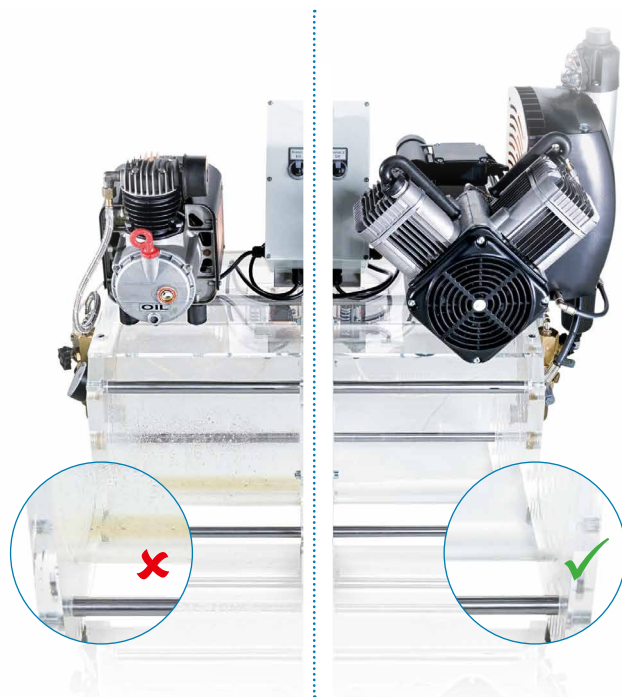
## Quality is good, quality control is better

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 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 a 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 compressor and instruments.

## 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 Durr Dental 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 CAM milling 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. 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 specialist retailers will advise you on the right compressed-air solution for your needs.

### This is what counts:

- ≈ Selection of compressors for 1 to 16 users
- ≈ Expandable via the Tandem principle
- ≈ High-performance compressors for large surgeries, clinics and dental laboratories
- ≈ Compressors with 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 model in the Silver Airline range perfectly suited for a single operator.



## Duo

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



## Trio

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



## Quattro

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





# Twice as good – the Tandem version



## A solution with options for more

Silver Airline compressors in the Tandem version provide particularly high operational and future 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. However, the compressor tank is dimensioned so that it can house two units. If you wish to expand your surgery, adding a unit will double the available output to 4 users. An intelligent control system enables two compressors to be run on a single compressed air line. All these options allow you to respond flexibly to any future increase in demand for compressed air in the practice.

The Dürr Dental Tandem concept: the Duo Tandem with a unit for 2 operators. Suitable for modular expansion with a second unit for up to 4 operators.

## Duo Tandem

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

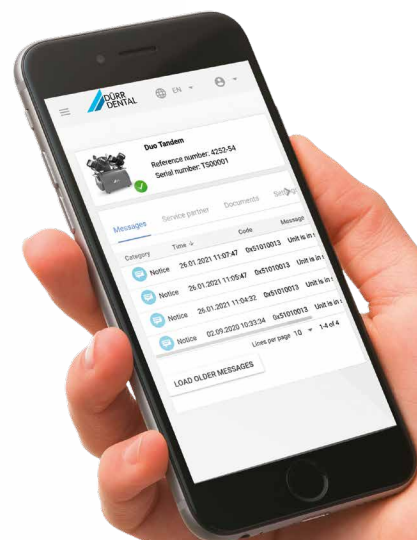


## Quattro P 20

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



# Intelligent software and perfect network connection for a smart practice



## Go digital

In modern dental practices, it is commonplace to work with digital systems. From diagnostic imaging to hygiene documentation and billing, networked software solutions keep the practice staff up to date at all times.

Connecting your practice equipment to your local network ensures a current status overview at all times. Receive automatic notifications about scheduled inspections and compressor filter changes. In the case of a device warning or error, you receive detailed information about possible causes and remedies. If a technician is required, the alert can be conveniently forwarded via email and a remote maintenance session can be started.

### This is what counts:

- ≈ Current overview of all compatible practice equipment
- ≈ Equipment operating status is shown in the PC's task bar at all times
- ≈ Quick technical support call with remote maintenance
- ≈ Central management of all connected devices in the practice network
- ≈ Regular inspection and maintenance intervals at a glance for maximum operational reliability
- ≈ Connect any Silver Airline compressor with electronic control

# Multi-stage filter system for hygienic compressed air and greater reliability



For optimum air quality, maximum compressed air output and preserving the value of your compressor

The filters installed in the Dürr Dental compressors ensure that consistent performance is maintained and will help preserve the value of your compressed air system. Even the best filters accumulate germs, dirt and dust over time. The annual filter change therefore guarantees maximum output, reduced wear and a longer service life for the entire compressed air system.

1

## Air intake filter

The first stage is the air intake filter on the aggregate. In the second stage, the sinter filter provides particle-free and clean air, providing the high-value membrane with protection against soiling and damage. Finally, in stage 3, the virus-bacteria filter removes any remaining germs – resulting in hygienic compressed air.

3

## Virus-bacteria filter



The Dürr Dental virus-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 drying unit

Downstream of the sinter 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.

## Sinter filter with water collecting container

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

2

Make sure to change filter every year

# Dürr Dental compressors

Model	Primo	Duo	Duo	Duo Tandem 1 unit	Duo Tandem 1 unit	Duo Tandem 2 units	Duo Tandem 2 units
Voltage (V)	230 (1~)	230 (1~)	400 (3~)	230 (1~)	400 (3~)	230 (1~)	400 (3~)
Frequency (Hz)	50/60	50/60	50/60	50/60	50/60	50/60	50/60
Operators	1	2	2	2	2	4	4
Tank capacity (l)	20	20	20	50	50	50	50
Flow rate at 5 bar <sup>1)</sup> (l/min)	61/71	125/145	125/145	125/145	125/145	253/292	253/292
Pressure range <sup>2)</sup> (bar)	6-7.8	6-7.8	6-7.8	6-7.8	6-7.8	6-7.8	6-7.8
Noise level <sup>3)</sup> [dB(A)]	65/66	68	68	66	68	69	69
Noise level in cabinet <sup>3)</sup> [dB(A)]	49/50	51	51	-	-	-	-
Dimensions (H x W x D cm)	69 x 49 x 47	64 x 49 x 46	64 x 49 x 46	76 x 75 x 52	76 x 75 x 52	76 x 79 x 52	76 x 79 x 52
Weight (kg)	45	50	50	65	70	95	100

Modell	Trio	Quattro	Quattro Tandem 1 unit	Quattro Tandem 2 units	Quattro P 20
Voltage (V)	230 (1~)	400 (3~)	400 (3~)	400 (3~)	400 (3~)
Frequency (Hz)	50	50/60	50/60	50/60	50/60
Operators	3	4	4	8	16
Tank capacity (l)	50	50	90	90	90
Flow rate at 5 bar <sup>1)</sup> (l/min)	181	258/293	258/293	516/586	1032/1172
Pressure range <sup>2)</sup> (bar)	6-7.8	6-7.8	5.5-7.5	5.5-7.5	5.5-7.5
Noise level <sup>3)</sup> [dB(A)]	67	70	70	73	76
Noise level in cabinet <sup>3)</sup> [dB(A)]	49	54	-	-	-
Dimensions (H x W x D cm)	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)	80	85	120	170	300

<sup>1)</sup> Output measured without Membrane Drying Unit <sup>2)</sup> Maximum adjustable pressure 9.5 bar. A pressure reducer is optionally available

<sup>3)</sup> Average values at 5 bar and 50 Hz

## Accessories and filters



Soundproof cabinet,  
small



Soundproof cabinet,  
large



Pressure reducer



Virus-bacteria filter



Sinter filter



Air intake filter

Filter finder overview website: <https://www.duerdental.com/en/products/compressed-air/material-accessories/filter-selection/>

DÜRR DENTAL SE  
Höpfigheimer Str. 17  
74321 Bietigheim-Bissingen  
Germany  
[www.duerdental.com](http://www.duerdental.com)  
[info@duerrdental.com](mailto:info@duerrdental.com)

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