

# The heart of your practice – Dürr Dental compressors

High-performance and safe – too good to store away down  
in the basement.

Maximum  
reliability



New electronic  
network control

COMPRESSED AIR  
SUCTION  
IMAGING  
DENTAL CARE  
HYGIENE

# Dürr Dental – Spirit of innovation with a love for details

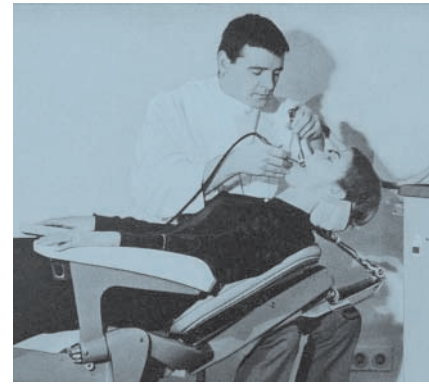
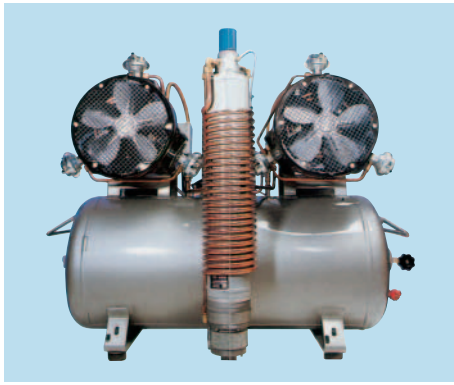
Dürr Dental has stood for progressive and trend-setting solutions in dental medicine for more than 70 years. Numerous standards can be traced back to developments from Dürr Dental – with new benchmarks being set even today.

With an array of compatible system solutions for compressed air, suction, imaging, dental care and hygiene, Dürr Dental offers high-quality products and excellent service for every need. In Europe, 1964, Dürr Dental made it possible to treat patients in a supine position using a suction system. One year later, the company introduced the first oil-free compressor for dental medicine. Compressed air systems from Dürr Dental are market leaders as a result of their high performance and air quality. Dentists trust the engineering ingenuity and top quality of the market leader. Products from Dürr Dental are found in practices and clinics all over the world as has been the case for decades.



PROGRESS STARTS WITH  
IDEAS





FOR MORE THAN 70 YEARS:  
100% COMMITMENT

OUR CLAIM:  
BEST IN CLASS



reddot design award  
winner



Designpreis  
Deutschland  
NOMINIERT



OUR INNOVATIONS  
ARE THE RESULT OF CONSTANTLY  
THINKING ABOUT  
TOMORROW TODAY

# Quality builds trust – Top technology for the heart of the practice

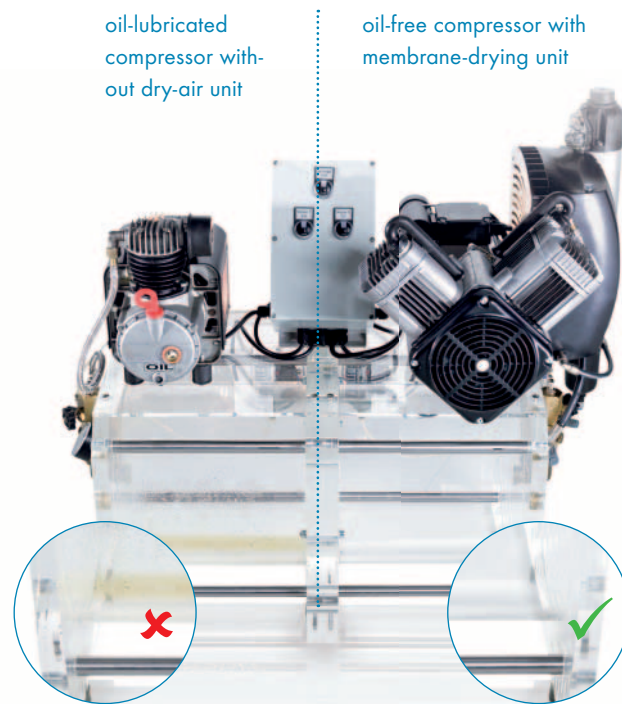
## Compressed air for the highest demands in dentistry

Dental compressed air must be hygienic. Moisture content must thus be kept to a minimum and contamination by oil or particulates eliminated. This would jeopardise the stability of materials as well as the operation of delicate instruments. The hygienic and aseptic expectations of patients must also be met.

The membrane dryer on the compressor prevents moist environments becoming breeding grounds for organisms. It not only provides constant, dry compressed air, but also provides a continuous supply of power that does not need to be interrupted. The low pressure condensation point ensures hygienic, tasteless and odourless compressed air.

## Durable and long-lasting – designed for continuous operation

Reliability is top priority when selecting a compressor. Dürr Dental's sophisticated products satisfy in this regard and are designed for continuous operation. High-quality system parts ensure top precision and smooth operation. The compressor is not only quieter, but also lasts longer as a result.



Clean air, uncontaminated by water, oil or particulates, is an important hygiene factor in dental treatment. Additionally it maintains the value of your compressor and instruments

OUR PROMISE:  
GUARANTEED HIGH PERFORMANCE  
WITH ABSOLUTE RELIABILITY.

# Engineering ingenuity with passion. For maximum operation and safety

## Even that which is not seen performs

A good compressor does its work in the background while the team concentrates on treatment. It supplies the air/water nozzle, the turbine, the air abrasion tool and all additional pneumatic devices. Therefore, a compressor must never run out of air – for a reliable and consistent practice.

## Maximum quality is a Dürr Dental standard

In order to guarantee a maximum standard of quality, Dürr Dental almost exclusively manufactures its products at an industrial location in Germany. Each individual product from the ISO-certified company is subject to strict process standards and undergoes inspections. And last but not least, the employees of Dürr Dental provide added value through their commitment and creativity.

## Meeting all of the supply needs of your practice

As a leading manufacturer of compressed air and suction equipment, we offer compatible solutions for dental practices and labs as well as dental clinics and universities with several hundred treatment, simulation and phantom workstations. The operator experiences a number of cost benefits and synergy effects as a result of the combined compressed air and suction system.



## This is what matters:

- Oil-free, dry, hygienic
- Maximum reliability and operational safety
- Hygienic compressed air, taste and odour neutral
- Antibacterial inner tank coating
- Up to 3-year guarantee
- Newest dry air technique using membrane technology enables 100% continuous operation



# The right amount of compressed air for every practice



## Individual

Compressor selection for two to 10 users

### Duo

The classic among compact compressors, with 2-cylinder V-aggregate and 20-liter tank – for two users maximum.



### Trio

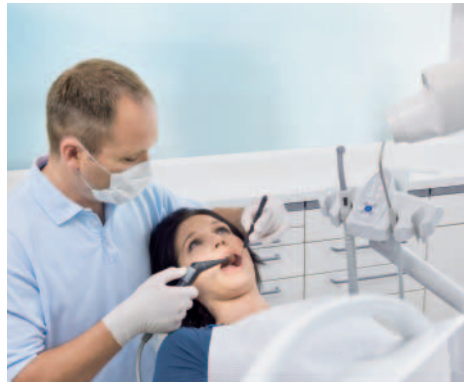
The high-performance compressor with three cylinders and a 50-liter tank – offers sufficient reserves for three users.



### Quattro

The high performing 4-cylinder compressor with 50-liter tank – for up to four users.





## Decide the performance level you require

The selection of a compressor depends, above all, on the required reserves and, therefore, the size of the practice and number of users. Dürr Dental offers models for all performance demands – from compact compressors for new practices up to high-performance compressors for clinics.

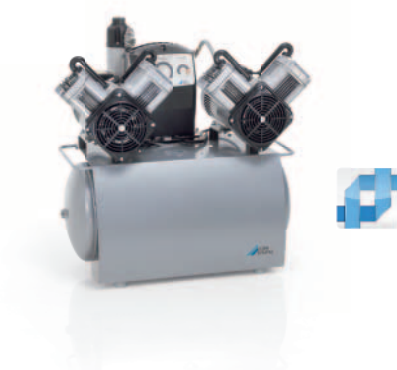
The array of products includes upgradable models to accommodate for growing practices and the commensurate demand for compressed air. Dürr Dental and specialist dental product distributors can provide you with further information about the right compressed air solution for your practice. You can also roughly estimate your performance needs yourself: approx. 50 l/min is required for each air turbine.

### This is what matters:

- Expandable through tandem use
- High-performance compressors for large practices, clinics and dental labs
- Compressor options for 2 to 10 users

## Duo Tandem

The flexible solution for growing performance needs. With a 50-liter tank it works optionally for two (one aggregate) or four users (two aggregates).



## Quattro Tandem

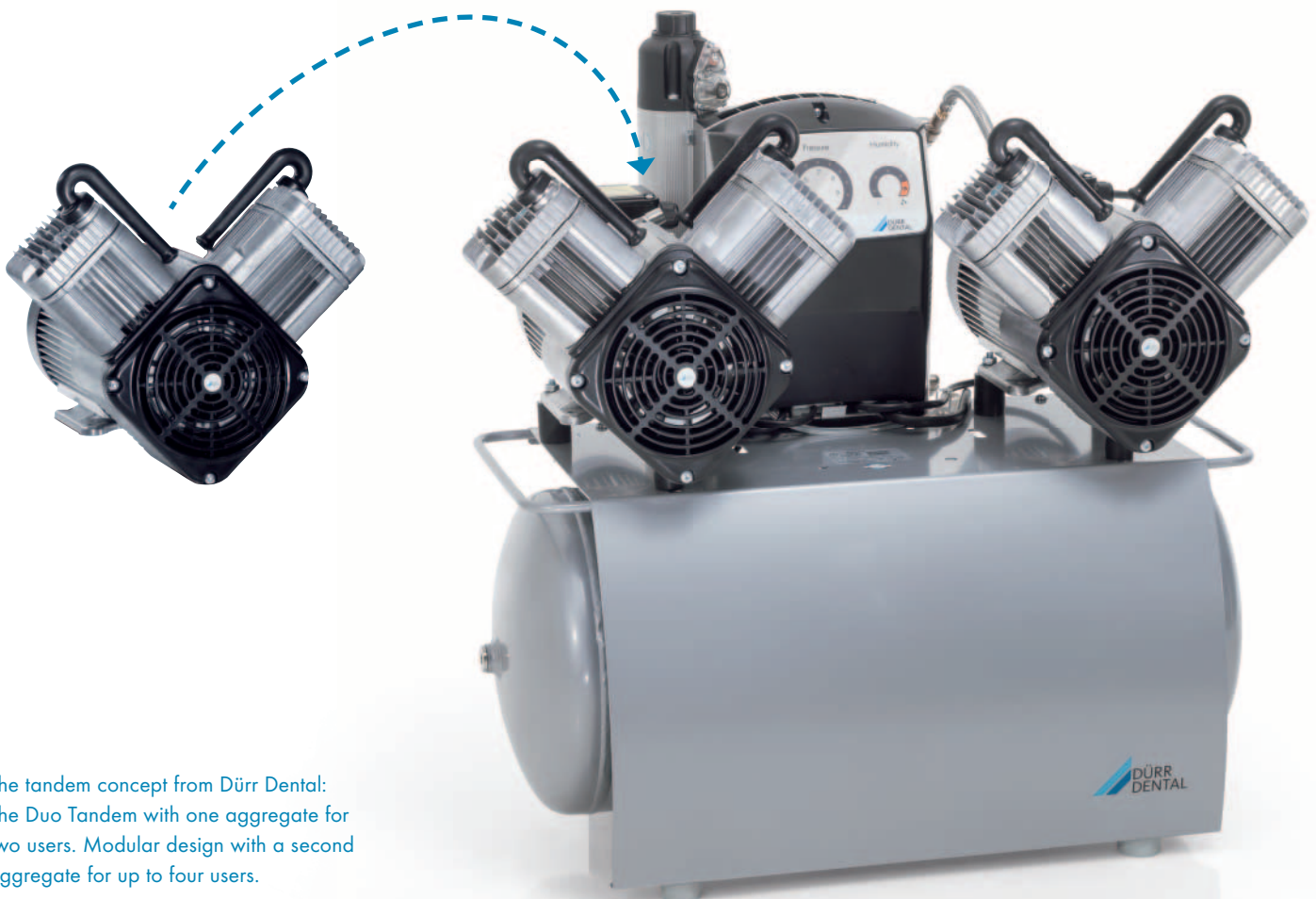
The ultra performer for dental laboratories and large practices with a 90-liter tank, optionally with one or two aggregates – for up to 10 users.



# Clever ideas for your practice – tandem concept and network connection

## A solution with the option for more

The tandem models offer the option for adding additional Dürr Dental compressors, thus ensuring maximum future use and operational safety. The possibility for modular upgrades makes it a flexible solution with the option for more to be added at a later date. The base version of the Duo Tandem reliably supplies compressed air for two users using just one aggregate. The compressor tank is flexible – to allow for the attachment of a second aggregate simply add an additional component when you expand your practice in order to double performance reserves and accommodate four users. The maximum performance is achieved with the Quattro Tandem with two aggregates – for up to 10 users.



The tandem concept from Dürr Dental:  
The Duo Tandem with one aggregate for  
two users. Modular design with a second  
aggregate for up to four users.



## Go digital. Tandem compressors with electronic controls.

With electronic controls, Dürr Dental brings the dental practice into the digital age. This innovative control technology has features which make the regulation and monitoring of your compressor even easier and safer. In addition to electronically tuning and adjusting the pressure range to meet the exact need, it also offers a digital display of the air quality and operating pressure of the compressor. Control of the aggregate is oriented toward consumption and avoids unnecessary parallel work by both aggregates. This results in a more economical operation and lower noise emissions.

When needed, control can be easily switched to emergency operations. With network-compatible tandem compressors, the monitoring and management of the compressor can also be directly controlled using Dürr Dental software on a PC.



OUR PRIMARY GOAL IS  
TO ACHIEVE  
THE BEST RESULTS  
FOR OUR CUSTOMERS

### This is what matters:

- Monitoring the heart of the practice
- lower noise emissions
- As-needed control of the aggregate
- Comfortable operation
- Operational readiness at a glance



# The membrane-drying unit – patented technology by Dürr Dental

## Continuous performance thanks to the membrane-drying unit

Equipped with the innovative membrane-drying unit from Dürr Dental, the compressor provides two unbeatable benefits:

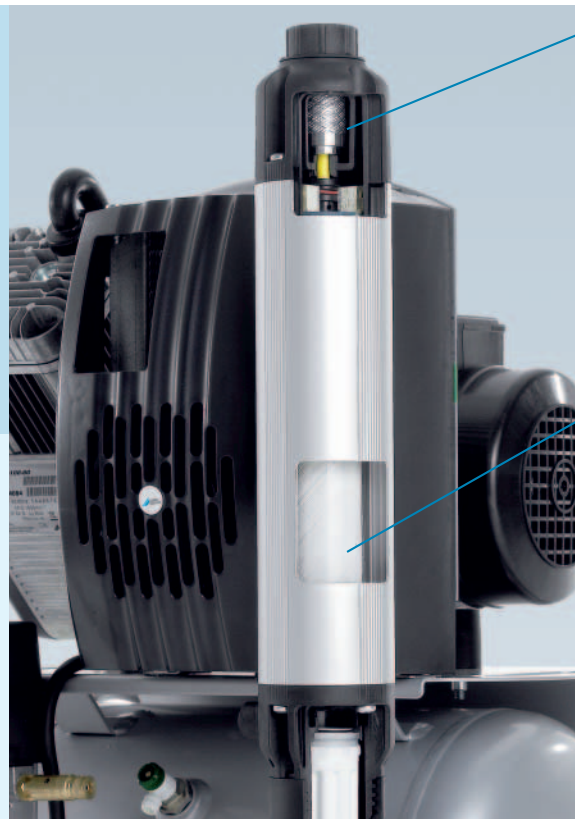
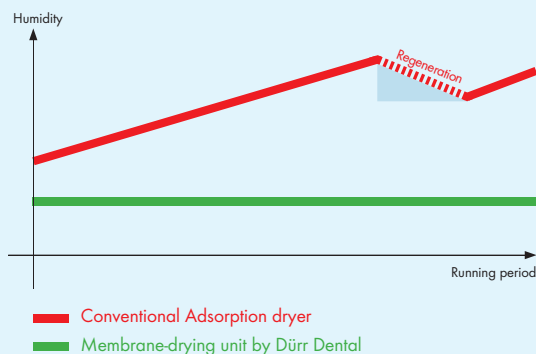
- Constant performance with guaranteed dryness, even during continuous operation
- The membrane-drying unit creates constantly dry compressed air with a pressure condensation point of 5°C at 40°C ambient temperature, eliminating condensation in the piping under normal conditions.

Since the membrane-drying unit prevents the formation of moist environments, microorganisms are denied a breeding ground. Dry air protects your instruments, conserves their value and helps ensure hygienic treatment conditions.

The membrane-drying unit preserves your valuable instruments and prevents moisture effecting your treatments.

## This is what matters:

- Continuous performance even when operated by a large number of connected users
- Constantly dry compressed air, even during continuous use
- Protection of valuable instruments and treatment results
- Maintenance free, just one filter change per year



After longer operation of the compressors, moisture in the adsorption dryer increases. Yet the membrane-drying unit remains constantly dry and requires no interruption to supply.

OUR CUSTOMERS MAY NOT BE TOO INTERESTED  
IN OUR QUEST FOR PERFECTION.

BUT THEY PROBABLY ARE IN  
MAINTAINING THE QUALITY  
OF THEIR INSTRUMENTS  
AND THEIR WORK

# Even more safety from infections

## Antibacterial inner tank coating

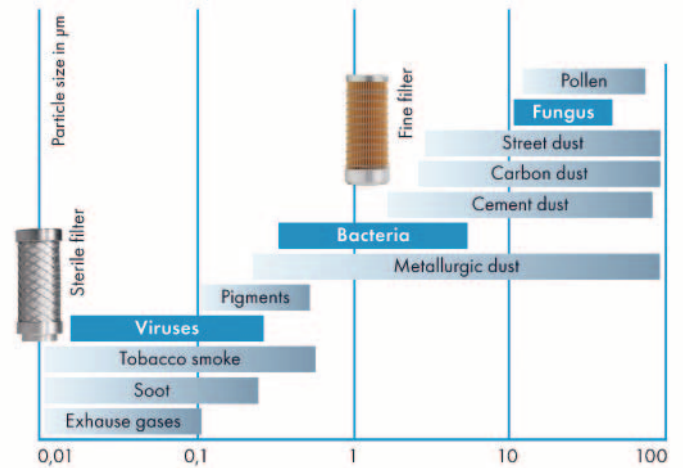
Bacteria always harbours the potential for certain hazards and in unfortunate cases can lead to infection. The interior walls of Dürr Dental compressors are coated with a special antibacterial material. Nowadays this fine lining is already displaying its germ-reducing effect in refrigerators, textiles and light switches. Silver particles block enzymes that facilitate bacterial metabolism. In the Dürr Dental compressor tank the antibacterial lining provides safety reassurance as well as preventing erosion.



# Small component. Big results.

## Change the filter annually to retain full power, efficiency and value

The suction, and fine filters of the membrane-drying unit and compressor aggregate ensure the constant performance of your compressor. The optional sterile filter rules out additional contamination in connection with the membrane-drying unit. In general, this filter must only be replaced annually –to retain full power, efficiency and value.



Dürr Dental sterile filters have a fine filter grade of 0.01 µm , but do not produce sterile air!



Find the correct filter for your compressor at [www.duerr.de/filter](http://www.duerr.de/filter)



clip filter change

# The technology at a glance – Dürr Dental Compressors

Model	Duo	Duo Tandem 1 Aggr.	Duo Tandem 2 Aggr.	Trio
Voltage (V)	230 (1~)/400 (3~)	400 (3~)	400 (3~)	230 (1~)
Frequency (Hz)	50	50	50	50
Cylinder	2	2	4	3
Displacement (l/min)	140	140	280	250
Output at 5 bar <sup>1)</sup> (l/min) <sup>2)</sup>	115	115	230	175
Tank capacity (l)	20	50	50	50
Pressure range <sup>3)</sup> (bar)	6–7,8	6–7,8	6–7,8	6–7,8
Noise level <sup>4)</sup> [dB(A)]	Approx. 66	Approx. 68	Approx. 69	Approx. 69
Noise level in the cabinet <sup>4)</sup> [dB(A)]	Approx. 55	Approx. 54	Approx. 54	Approx. 54
Dimensions (H x W x D cm)	70 x 49 x 46	76 x 79 x 52	76 x 79 x 52	76 x 74 x 52
Weight (kg)	47	64	90	70

Model	Quattro	Quattro Tandem 1 Aggr.	Quattro Tandem 2 Aggr.	Duo Tandem Med
Voltage (V)	400 (3~)	400 (3~)	400 (3~)	400 (3~)
Frequency (Hz)	50	50	50	50
Cylinder	4	4	8	4
Displacement (l/min)	320	320	640	140
Output at 5 bar <sup>1)</sup> (l/min) <sup>2)</sup>	235	235	470	160–175 at 7 bar
Tank capacity (l)	50	90	90	90
Pressure range <sup>3)</sup> (bar)	6–7,8	6,5–8,5	6,5–8,5	6,5–8,5
Noise level <sup>4)</sup> [dB(A)]	Approx. 70	Approx. 70	Approx. 74	Approx. 72 at 7 bar
Noise level in the cabinet <sup>4)</sup> [dB(A)]	Approx. 54	-	-	-
Dimensions (H x W x D cm)	76 x 74 x 52	76 x 102 x 62	76 x 102 x 62	87 x 100 x 65
Weight (kg)	82	98	143	113

<sup>1)</sup> The discharge flow without air <sup>2)</sup> Power bandwidth results from the mains frequency 50/60 Hz <sup>3)</sup> A pressure reducer is available as an option <sup>4)</sup> Average values at 5 bar



Optional noise-reducing cabinets are available.

Pressure reducer



Sterile filter



Fine filter



Sinter filter



Intake filters



We recommend annual filter replacement for optimal performance, safety and value.



DÜRR DENTAL AG  
Höpfigheimer Strasse 17  
74321 Bietigheim-Bissingen  
Germany  
www.duerr.de  
info@duerr.de

