

# Compressed air for exacting demands

## Dürr Dental Compressors for CAD/CAM milling and grinding systems

Compressors from Dürr Dental have been hailed by dentists for over 65 years with their outstanding performance and high air quality – **oil-free, dry and hygienic** – and have carved out a leading market position.

Compressors from Dürr Dental reliably supply oil-free, dry and hygienic compressed air. Today's highly efficient membrane drying unit is one of many examples of Dürr Dental's uncompromising spirit of innovation. This invention has become a technical standard that has had no peer for years.

### Optimally suited for continuous operation of milling and grinding machines

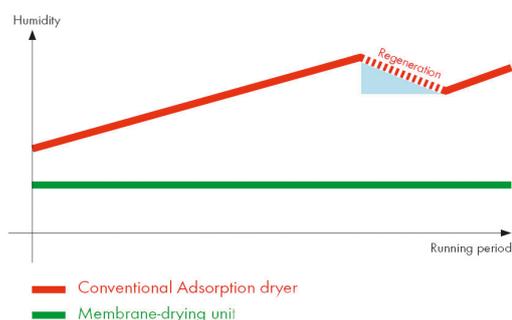
Milling and grinding machines have particularly high demands towards compressors to supply them with reliable and constant compressed air. Milling machines don't stop during operation therefore a constant supply of oil-free and dry compressed air is guaranteed. The duty cycle of compressor units running a milling machine goes far beyond their duty cycle for normal dental operations. Dürr Dental's fully developed technology meets all such demands and is designed for continuous operation. High-quality system parts ensure high precision and quiet running. Compressors not only run quieter, but also last longer.

### The membrane-drying unit with patented technology compared to conventional adsorber dryers

The constant, uninterrupted flow of compressed air required by milling and grinding machines makes for very long compressor duty cycles and allows for only short shut-off cycles.

More moisture forms in the dryer than during normal dentistry operations after a compressor has been running for a longer time with an adsorber dryer. When the compressor is shut off, moisture in the dryer is not fully removed due to regeneration which is usually under-calculated for this application.

The resulting insufficient regeneration of the dryer leads to a gradual increase in the moisture content of the compressed air. Compressors with simple adsorption dryers are thus not suited to run such machines. The innovative membrane-drying unit from Dürr Dental means that there is no need for regeneration times. A constant supply of dry, compressed air in continuous operation is guaranteed.



After compressors have been running for a longer time, moisture in the adsorption dryer increases. Yet the membrane-drying unit remains constantly dry and requires no regeneration interruption.



Membrane-drying unit for non-stop operation.



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

# The perfect compressors



## Duo Tandem, 1 aggregate

- tank capacity: 50 litres
- air output: at 9 bar 68 l/min\*\*
- noise level: at 5 bar 68 dB/A\*\*
- 230 V (1~), 50/60 Hz, Order-No. 4152100008\*
- 400 V (3~), 50/60 Hz, Order-No. 4152-54\*



Compressor pressure range (bar) to be adjusted	
KaVo ARCTICA engine	6,5 to 8,0
KaVo Everest engine	6,5 to 8,0
AmannGirrbach ceramill® motion 2	6,5 to 8,0
AmannGirrbach ceramill® mikro	6,5 to 8,0
vhf camufacture N4	5,5 to 7,0
vhf camufacture K5	6,5 to 8,0
Planmeca PlanMill 40	5,5 to 7,0
Zubler DC1, DC5	7,0 to 8,5
Roland DWX-4, DWX-50, DWX-51D	5,5 to 7,0
imes-icore CORiTEC 140i, 240i, 250i, 340i, 350i, 440i, 450i	7,0 to 8,5



## Quattro

- tank capacity: 50 litres
- air output: at 9 bar 144 l/min\*\*
- noise level: at 5 bar 70 dB/A\*\*
- 400 V (3~), 50/60 Hz, Order-No. 5452-51



Compressor pressure range (bar) to be adjusted	
Sirona inLab MC X5	7,0 to 8,5
Wieland ZENOTEC select	7,0 to 8,5
Wieland ZENOTEC mini	7,0 to 8,5
AmannGirrbach ceramill® motion	7,0 to 8,5
AmannGirrbach ceramill® argotherm	6,5 to 8,0
Planmeca PlanMill 50	6,5 to 8,0
vhf camufacture S1	6,5 to 8,0
vhf camufacture-S2	6,5 to 8,0
vhf camufacture-K4	6,5 to 8,0
Datron D1	5,5 to 7,0
Zirkonzahn (M1, M3, M4, M5, M6)	6,5 to 8,0
Roland DWX-4W	7,0 to 8,5



## Duo Tandem, 2 aggregates

- tank capacity: 50 litres
- air output: at 9 bar 148 l/min\*\*
- noise level: at 5 bar 69 dB/A\*\*
- 230 V (1~), 50/60 Hz, Order-No. 4252100027\*
- 400 V (3~), 50/60 Hz, Order-No. 4252-54\*



Compressor pressure range (bar) to be adjusted	
Ivoclar Vivadent PrograMill (PM3, PM5, PM7)	6,5 to 8,0
AmannGirrbach ceramill® matik	6,5 to 8,0
Datron D5	7,0 to 8,5
imes-icore CORiTEC 550i, 750i	7,0 to 8,5



## Quattro Tandem, 2 aggregates

- tank capacity: 90 litres
- air output: at 9 bar 288 l/min\*\*
- noise level: at 5 bar 77 dB/A\*\*
- 400 V (3~), 50/60 Hz, Order-No. 4682-54\*



\* Special feature: electronic control with easily adjusted pressure range, monitoring of air moisture and the option of networking via the software with a PC.

\*\* Values measured by 50 Hz.

All compressors are available with optional sound insulation. In order to avoid pressure fluctuations stemming from other air users, it is recommended that the CAM system run on a separate compressed-air network with dedicated compressor.