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 60 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.

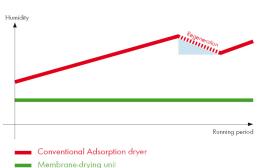
Optimally suited for continuous operation of milling and grinding machines

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.



An optional sterile filter with a grade of filtration of 0.01 μ m is available for even better air quality.*



*According to ISO 8573_1:2010, Dürr Dental compressors fulfil compressed-air requirements for classes 1/4/1 with sterile filter, and 2/4/1 with standard fine filter. The sterile filter does not produce sterile air.

The perfect compressors

		Duo		Compressor pressure range (bar) to be adjusted	
• noise level: of 5 bor 6d db/A** • 230 V (1-), 50/60 Hz, OrderNo. 525201 • Duo Tandem, 1 aggregate • fork capacity: 50 lines • arise level: of 5 bor 68.0 • inic level: of 5 bor 68.0 • inice level: of 5 bor 68.0 • inice level: of 68.0 • inice level: of 5 bor 7.0 • inice level: <td rowspan="3"></td> <td> tank capacity: 20 litres </td> <td></td> <td>KaVo ARCTICA engine</td> <td>6,5 to 8,0</td>		 tank capacity: 20 litres 		KaVo ARCTICA engine	6,5 to 8,0
- 230 Y [1-], 50/60 Hz, OrderNo, 522201 AmannGirrbach eremtil [®] mation 2 6.519.8.0 Duo Tandem, 1 aggregate - intik copacity: 30 lites ait ougut: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 84 lymin ⁺⁺ - incise level: ait 9 bar 788 lymin ⁺⁺ - incise level: ait 9 bar 788 lymin ⁺⁺ - incise level: ait 9 bar 788 lymin ⁺⁺ - incise level: ait 9 bar 788 lymin ⁺⁺ - incise level: ait 9 bar 788 lymin ⁺⁺ - incise level: ait 9 bar 788 lymin ⁺⁺ - incise level: ait 9 bar 788 l		•	\rightarrow	KaVo Everest engine	6,5 to 8,0
Unit candidation in the comparison of the c			→	AmannGirrbach ceramill [®] motion 2	6,5 to 8,0
Duo Tandem, 1 aggregate • hf comfacture K5 6.5 to 8.0 • tank copacity: S0 lines • or ouppet: or 9 bor 68 l/vin** • noise level: or 9 bor 68 l/vin** • noise level: or 9 bor 68 l/vin** • noise level: or 9 bor 68 l/vin** • noise level: or 9 bor 68 l/vin** • 400 V (3-), 50/60 Hz, Order-No. 5152.54* • Net compactive: S0 lines • Roland DWX.4, DWX.50, DWX.51D 5.5 to 7.0 • 000 V (3-), 50/60 Hz, Order-No. 5152.54* • Omegasor pressure range (bor) to be adjusted From 10 bor 8.5 7.0 to 8.5 • 000 V (3-), 50/60 Hz, Order-No. 5152.54* • Net copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on obe level: or 15 bor 70 dB/A** • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on the copacity: S0 lines • on t	1234			AmannGirrbach ceramill [®] mikro	6,5 to 8,0
Duo Tandem, 1 aggregate • tank capacity: 50 lines • tank capacity: 50 lines • tank capacity: 50 lines • in output: of a odypti: of bor 68 U/nin** • noise level: of 5 bor 68 U/nin** • 1000 V (3-), 50/60 Hz, OrderNo. 515254* • Compressor pressure range (borl No be adjusted 5,5 io 7,0 Vieland ZENOTEC select 7,0 io 8,5 7,0 io 8,5 Vieland ZENOTEC campeing: 50 lines • of a odput: of bor 144 //nin** • noise level: of 5 bor 70 d8/** • 400 V (3-), 50/60 Hz, OrderNo. 545251 Vieland ZENOTEC canall® and to 8,5 Duo Tandem, 2 aggregates • tank capacity: 50 lines • of a odput: 50 lines • out capacity: 50 lines • of a odput: 50 lines • of a odput: 0 lines • 1000 V (3-), 50/60 Hz, OrderNo. 545251 Duo Tandem, 2 aggregates • tank capacity: 0 lines • of a odput: 0 lines • 1000 V (3-), 50/60 Hz, OrderNo. 425254* Duo Tandem, 2 aggregats • of camfacture S1 6.5 io 8.0 • 1000 V (3-), 50/60 Hz, OrderNo. 425254* Vieland ZenoTec 6.5 io 8.0 • of camfacture-S2 6.5 io 8.0 • 1000 V (3-), 50/60 Hz,		 tank capacity: 50 litres 		vhf camfacture N4	5,5 to 7,0
• tonk copacity: 50 litres • icr output: at 5 bar 68 l//min** • oir output: at 5 bar 68 l//min** • idr coupcity: 50 litres • idr coupcity:				vhf camfacture K5	6,5 to 8,0
• di output: al 9 bar 68 l/min** • noise level: al 5 bar 68 dB/A** • 400 V (3-), 50/60 Hz, Order No. 5152.54* Reland DWX.4, DWX.50, DWX.51D 5,5 to 7,0 imes-icore CORITEC 100; 240; 350; 3400; 350; 440i; 450i 7,0 to 8,5 Vieland ZENOTEC select 7,0 to 8,5 100; 240; 350; 3400; 350; 440i; 450i 7,0 to 8,5 Vieland ZENOTEC select 7,0 to 8,5 100; 8,5 100; 240; 350; 3400; 350; 440i; 450i 7,0 to 8,5 Vieland ZENOTEC select 7,0 to 8,5 100; 240; 250; 3400; 350; 440i; 450i 7,0 to 8,5 Vieland ZENOTEC select 7,0 to 8,5 100; 240; 240; 250; 3400; 350; 440i; 450i 100; 240; 240; 250; 3400; 350; 440i; 450i Vieland ZENOTEC select 7,0 to 8,5 100; 240; 240; 250; 3400; 350; 440i; 450i 100; 240; 240; 250; 3400; 350; 440i; 450i 100; 240; 240; 250; 3400; 350; 440i; 450i Vieland ZENOTEC select 7,0 to 8,5 100; 240; 240; 240; 240; 240; 240; 240; 2				Planmeca PlanMill 40	5,5 to 7,0
- 400 V [3-], 50/60 Hz, Order-No. 5152-54* - Module Joint Control Co				Zubler DC1, DC5	7,0 to 8,5
Outfro • Compressor pressure range (bac) to be adjusted Sirona inLab MC X5 7.0 to 8.5 Vieland ZENOTEC select 7.0 to 8.5 Wieland ZENOTEC select 7.0 to 8.5 Wieland ZENOTEC select 7.0 to 8.5 Wieland ZENOTEC select 7.0 to 8.5 Mieland ZENOTEC mini 7.0 to 8.5 Mieland ZENOTEC mini 7.0 to 8.5 AmannGirrbach ceramill® motion 7.0 to 8.5 AmannGirrbach ceramill® argotherm 6.5 to 8.0 Vif camfacture-S2 6.5 to 8.0 Vif camfacture-S2 6.5 to 8.0 Vif camfacture-K4 6.5 to 8.0 Nolor D1 5.5 to 7.0 Zirkonzahn (M1, M3, M4, M5, M6) 6.5 to 8.0 <td></td> <td>Roland DWX-4, DWX-50, DWX-51D</td> <td>5,5 to 7,0</td>				Roland DWX-4, DWX-50, DWX-51D	5,5 to 7,0
Sirona inLab MC X5 7,016,8,5 Vieland ZENOTEC select 7,016,8,5 Vieland ZENOTEC select 7,016,8,5 Vieland ZENOTEC mini 7,016,8,5 MananGirrbach ceramill® argotherm 6,516,8,0 Planmeca PlanMill 50 6,516,8,0 Planmeca PlanMill 50 6,516,8,0 Vieland ZENOTEC mini 7,016,8,5 AmannGirrbach ceramill® argotherm 6,516,8,0 Planmeca PlanMill 50 6,516,8,0 Vieland ZENOTEC Select 6,516,8,0 Vieland ZENOTEC mini 7,016,8,5 AmannGirrbach ceramill® argotherm 6,516,8,0 Vieland ZENOTEC mini 6,516,8,0 Vieland ZENOTEC Select 7,016,8,5 Vieland ZENOTEC Select 6,516,8,0 Vieland ZENOTEC Select 7,016,8,5 Vieland ZENOTEC Select 6,516,8,0 Vieland ZENOTEC Select		■ 400 V (3~), 50/60 Hz, Order-No. 5152-54^		imes-icore CORiTEC 140i, 240i, 250i, 340i, 350i, 440i, 450i	7,0 to 8,5
Quattro • tank capacity: 50 litres • i output: i ot 9 bor 144 l/min** • tank capacity: 50 litres • i output: i ot 9 bor 144 l/min** • tank capacity: 50 litres • 400 V (3-), 50/60 Hz, Order-No. 5452-51 Mieland ZENOTEC select 7,0 to 8,5 MannGirrbach ceramill [®] motion 7,0 to 8,5 AmannGirrbach ceramill [®] argotherm 6,5 to 8,0 Planmeca PlanMill 50 6,5 to 8,0 + <th></th> <th></th> <th></th> <th>Compressor pressure range (bar)</th> <th>to be adjusted</th>				Compressor pressure range (bar)	to be adjusted
• tank capacity: 50 litres • air output: ai 9 bor 144 l/min** • noise level: at 5 bor 70 dB/A** • 400 V (3-), 50/60 Hz, Order-No. 5452:51 Wieland ZENOTEC mini 7.0 to 8,5 MannGirrbach ceramill® motion 7.0 to 8,5 AmannGirrbach ceramill® argotherm 6,5 to 8,0 Vhf camfacture: 51 o 8,0 Roland DWX: 7,0 to 8,5 Voclar Vivadent PrograMill 6,5 to 8,0 Voclar Vivadent PrograMill		 tank capacity: 50 litres air output: at 9 bar 144 l/min** noise level: at 5 bar 70 dB/A** 	-	Sirona inLab MC X5	7,0 to 8,5
 air output: af 9 bar 144 l/min** noise level: af 5 bar 70 dB/A** 400 V (3-), 50/60 Hz, Order-No. 5452-51 AmannGirrbach ceramill[®] motion AmannGirrbach ceramill[®] argotherm 6,5 to 8,0 Planmeca PlanMill 50 6,5 to 8,0 vhf camfacture-S2 6,5 to 8,0 vhf camfacture-S2 6,5 to 8,0 vhf camfacture-S2 6,5 to 8,0 vhf camfacture-K4 6,5 to 8,0 Roland DWX-4W 7,0 to 8,5 Compressor pressure range (bar) to be adjusted Voclar Vivadent PrograMill 6,5 to 8,0 Voclar Vivadent PrograMill 6,5 to 8,0 T,0 to 8,5 				Wieland ZENOTEC select	7,0 to 8,5
• 400 V (3-), 50/60 Hz, OrderNo. 5452-51 • 100 Candem, 2 aggregates • 100 Candem, 2 aggregates • 100 V (3-), 50/60 Hz, OrderNo. 4252100004 • 100 V (3-), 50/60 Hz, OrderNo. 425254*				Wieland ZENOTEC mini	7,0 to 8,5
AmannGirrbach ceramill [®] argotherm 6,5 to 8,0 Vir Candem, 2 aggregates • tank capacity: 50 litres • iar output: a 19 bor 148 l/min** • oir output: at 5 bor 69 dB/A** • 230 V (1-7), 50/60 Hz, Order-No. 4252 10004 (without electronic control) • 400 V (3-7), 50/60 Hz, Order-No. 4252-54* whf camfacture-S2 • 00 V (3-7), 50/60 Hz, Order-No. 4252-54* whf camfacture-K4 • 00 V (3-7), 50/60 Hz, Order-No. 4252-54* • Datron D1 • 00 V (3-7), 50/60 Hz, Order-No. 4252-54* • Compressor pressure range (bor) to be adjusted • vincian data conductive: with sole sole sole sole sole sole sole sole				AmannGirrbach ceramill [®] motion	7,0 to 8,5
Duo Tandem, 2 aggregates • tank capacity: 50 litres • tank capacity: 148 l/min** • i cir output: • i f output: • i f output: • i f output: • i cir output: • i f output: • i f output: • i f output: • i cir output: • i f output: • i f output: • i f output: • i f output: • i cir output: • i f output: • i f output: • i f output: • i f output: • 230 V (1~), 50/60 Hz, Order-No. 425210004 • if camfacture-S2 • i f output: • i f output: • 400 V (3~), 50/60 Hz, Order-No. 4252-54* • if camfacture-K4 • i f output: • i f output: • 400 V (3~), 50/60 Hz, Order-No. 4252-54* • if camfacture-K4 • i f output: • i f output: • 400 V (3~), 50/60 Hz, Order-No. 4252-54* • if camfacture-K4 • i f output: • i f output: • 400 V (3~), 50/60 Hz, Order-No. 4252-54* • i f output: • i routput: • of g bar 288 l/min** • oir output: • of g bar 288 l/min** • oir output: • of g bar 77 dB/A** • output: • of g bar 77 dB/A** • output: • of g bar 77 dB/A** • output: o				AmannGirrbach ceramill® argotherm	6,5 to 8,0
• tank capacity: 50 litres • ir output: at 9 bar 148 l/min** • noise level: at 5 bar 69 dB/A** • 230 V (1~), 50/60 Hz, Order-No. 425210004 (without electronic control) • 400 V (3~), 50/60 Hz, Order-No. 4252-54* • 400 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • f camfacture-K4 • 00 V (3~), 50/60 Hz, Order-No. 4682-54* • f camfacture-S2 • 00 V (3~), 50/60 Hz, Order-No. 4682-54* • f camfacture-S2		 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. 4252100004 (without electronic control) 		Planmeca PlanMill 50	6,5 to 8,0
• air output: at 9 bar 148 l/min** • noise level: at 5 bar 69 dB/A** • 230 V (1~), 50/60 Hz, Order-No. 425210004 (without electronic control) • vhf camfacture-K4 6,5 to 8,0 • 400 V (3~), 50/60 Hz, Order-No. 4252-54* • Datron D1 5,5 to 7,0 Zirkonzahn (M1, M3, M4, M5, M6) 6,5 to 8,0 • 00 V (3~), 50/60 Hz, Order-No. 4252-54* • Roland DWX-4W 7,0 to 8,5 • tank capacity: 90 litres • tank capacity: 90 litres • oir output: of 9 bar 288 l/min** • noise level: 6,5 to 8,0 • tank capacity: 90 litres • do V (3~), 50/60 Hz, Order-No. 4682-54* • Datron D1 • Datron D1 5,5 to 7,0 • Datron D1 • Datron B • 100 V (3~), 50/60 Hz, Order-No. 4252-54* • Datron D1 • Datron B				vhf camfacture S1	6,5 to 8,0
 230 V (1~), 50/60 Hz, Order-No. 4252100004 (without electronic control) 400 V (3~), 50/60 Hz, Order-No. 4252-54* A00 V (3~), 50/60 Hz, Order-No. 4682-54* 				vhf camfacture-S2	6,5 to 8,0
(without electronic control) • 400 V (3~), 50/60 Hz, Order-No. 4252-54* 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 Voclar Vivadent PrograMill 6,5 to 8,0 ir 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* Datron D5				vhf camfacture-K4	6,5 to 8,0
Quattro Tandem, 2 aggregats Find a construction of the second				Datron D1	5,5 to 7,0
Quattro Tandem, 2 aggregats • 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*				Zirkonzahn (M1, M3, M4, M5, M6)	6,5 to 8,0
• 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*				Roland DWX-4W	7,0 to 8,5
• 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*		 tank capacity: 90 litres air output: at 9 bar 288 l/min** noise level: at 5 bar 77 dB/A** 		Compressor pressure range (bar) to be adjusted	
noise level: at 5 bar 77 dB/A** 400 V (3~), 50/60 Hz, Order-No. 4682-54*					6,5 to 8,0
				Datron D5	7,0 to 8,5
				imes-icore CORiTEC 550i, 750i	7,0 to 8,5

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

** Values measuered 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.

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