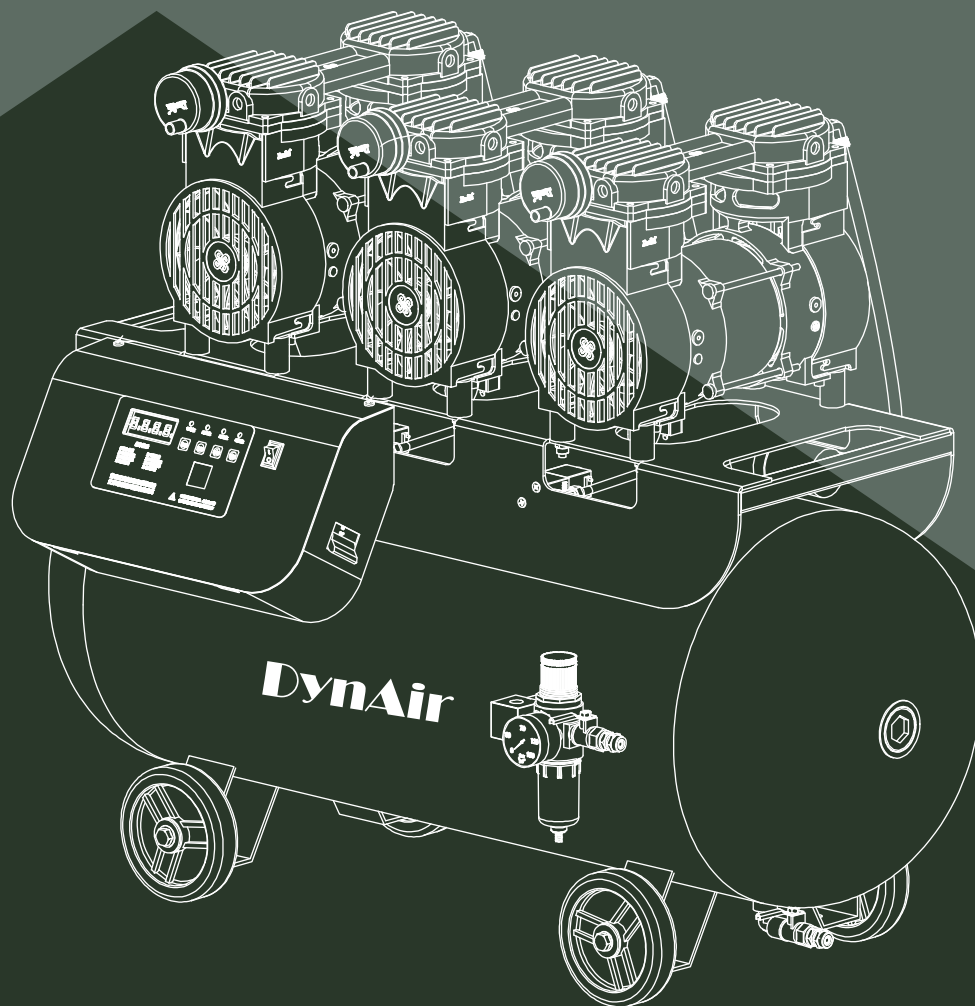


DYNAMIC

DYNAMIC MEDICAL OIL-FREE AIR COMPRESSOR

- I DRY AIR AND OIL FREE
- I POWERFUL AND RELIABLE
- I SAFE AND HYGIENIC
- I QUIET AND SMART





ABOUT US Concentration distinction innovation

Dynamic Medical Tecxx was founded in 2004, has been focusing on dental equipment for years, has over 30000 square meters of plant area, production capacity and sales volume are at the top among domestic brands, exported countries and regions around the world is more than 107 ones.

With years' development, Dynamic established a broad products lines covering the overall solutions for dental, including dental mechanic equipment, disinfection and serializations, digital image solutions, respiratory oxygen generation, portable units, and more to look forward to.

Taking core value as "Passion, Honesty, Progress", creating benefits for customers, pursuing better quality all the time, Dynamic is determined to be one of the first-level dental equipment manufacturers worldwide.

Since the year of 2022, Dynamic's started working with Google, Made in China and Alibaba to build up a diversified platforms for online marketing. Resorting to reliable quality and professional service to meet the needs from different customers.

Authorization

Utility Patents



Certificates



DYNAMIC

PATENTS & CERTIFICATES

CATALOGUE

DYNAMIC MEDICAL OIL-FREE AIR COMPRESSOR

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Central system compressors ······	7~8
Compressors for CAD/CAM ······	9~10
Accessories ······	11~14



DYNAMIC OIL-FREE AIR COMPRESSOR DYN AIR

Copper motor
Durable, Low heat, low noise

Original oilless piston
High efficiency, low dissipation
Clean air produced
Meet the needs of associated equipment

The housing is firm and not easy to be cracked
Failure rate reduced

Anticorrosive and derusting coating inside the tank, Ensure the air source is pure and pollution-free

Through hard anodizing process, life span increased by 40% compare to traditional cylinder liner

The national standard also clearly stipulates that the oil, moisture and particulates in dental compressed air must meet the relevant data requirements Requirements of dental compressed air in Technical Code for Medical Gas Engineering.

《Technical specification for medical gas engineering》 the Numerical requirements for dental compressed air

Gas Species	Oil Content (Mg/m ³)	Moisture (Mg/m ³)	P M
Dental air	≤ 0 . 1	≤ 7 8 0	3 Level

Our Advantages



Independently developed and designed the pump head
Oil-free piston air compressor
All copper inner core
Quiet, less heat production,
Longer service life.



Adsorption type and membrane drying tower are available in a variety of options
Dry dew point meets dental standards.



Three level precision filtration (0.01UM), can filter 90% moisture and impurities in the air, and supply with dry and clean air.



Silencer box can reduce 10dB.The lowest silencing value can reach 65-72dB.Proprietary technology for air intake silencers.



Configure overload protector, Some machines are equipped with high and low pressure protection to effectively avoid maintenance costs caused by accidents.

DYNAMIC AIR COMPRESSOR

Standard compressors

Main features of this series:

- Oil-free and super silent design, the air supply is assured to be clean and harmless. Noise pollution is reduced. Inside tank is a anti-corrosion coating.
- With electrical protection device and rustproof management, the safety of operation can be ensured, single motor can be controlled well for regular operation.

Optional Color



DA5001



DA5002



DA7001



DA7002



DA7003



DA7004

Model		DA5001	DA5002	DA7001	DA7002	DA7003	DA7004
Voltage/Hz	V	220V/50Hz			110V/60Hz		
Power	kw	0.55kw/0.75HP	1.1kw/1.5HP	0.75kw/1HP	1.5kw/2HP	2.25kw/3HP	3kw/4HP
Max flow	L/min	115	230	152	304	456	608
0.5MPa Airflow	L/min	60	120	78	156	234	312
Noise	dB(A)	≤65	≤66	≤68	≤69	≤70	≤71
Tank	L	22	50	30	50	70	100
Unit Dimension	mm	410×410×520	700×425×690	410×410×650	700×425×720	920×425×725	1070×460×750
Package Dimension	mm	450×450×590	770×490×870	450×450×730	770×490×870	1010×490×870	1230×560×910
Standard Net/ Gross Weight	Kg	23.2/25.4	47.4/56.6	28/33	50/62.5	78/90	91/114.5
Dryer		Support	Support	Support	Support	Support	Support
For Dental Chair		1	2~3	1~2	3~4	5~6	7~8

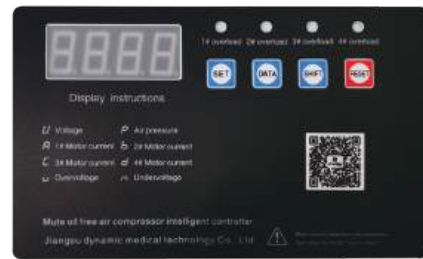
DYNAMIC AIR COMPRESSOR

DYNAMIC

Digital Control

Intelligent control panel visualization data display

- It can display the current, voltage, pressure and fault cause of the machine.
- Each unit starts and stops in batches.
- Overvoltage and undervoltage protection.
- Can view the overvoltage and undervoltage protection unit working time.



Optional Color



DA803



DA805



DA807



DA903



DA904

Model		DA803	DA805	DA807	DA903	DA904
Voltage/Hz	V	220V/50Hz 110V/60Hz			220V/50Hz	
Power	kw	1.5	2.25	3	3.3	4.4
Max flow	L/min	360	480	720	690	920
0.5MPa Airflow	L/min	156	234	312	360	480
Noise	dB(A)	≤70	≤71	≤71	≤75	≤75
Tank	L	50	70	100	160	160
Unit Dimension	mm	690×510×750	920×510×750	1060×550×780	1250×520×855	1290×550×850
Package Dimension	mm	770×590×900	1000×590×900	1140×590×910	1360×620×1000	1360×620×1000
Standard Net/Gross Weight	Kg	54/63	74/85	94/107	112/148	136/175
Soundproof Cabinet		No	No	No	Support	Support
Dryer		Support	Support	Support	Support	Support
For Dental Chair		3~4	5~6	7~8	8~9	10~12

DYNAMIC CONCENTRATED COMPRESSOR

Central Compressor System

POWERFUL
QUIET
MEDICAL
INTEGRATION



DA906



OF 2500
Air Compressor Pump

Option Dryer

- Equipped with Dynamic OF2500 head, and the maximum flow rate reaches 800L/min.
- Oil – free silent, can also be equipped with membrane dryer and Soundproof cabinet.
- The inner tank is antiseptic and sterilized to ensure that the output gas is pure.

Model	Voltage/Hz	Power	Max flow	0.5MPa Airflow	Noise	Unit Dimension	Package Dimension
DS906	380V/50Hz	5KW	1000L/min	550L/min	≤75B(A)	1340×580×950mm	1420×660×1080mm
Tank	Net Weight	Gross Weight	Soundproof Cabinet	Digital	Dryer	For Dental Chair	
200L	144kg	155kg	no	no	support	12~15	

Central Compressor System

Sufficient compressed air equipment is necessary for chain clinics and teaching institutions. Dynamic Medical Provide one-stop air solutions.

- Dynamic Air Compressors have an independent pump control system, with overload and overtemperature protection functions; It adopts high precision sensor and multiple protected circuit board to realize precise control.
- The CNC display board can show the internal temperature of the equipment, the working state of each pump head, the accumulated running time and the fault state, so as to identify the working state of the equipment. It's also helpful for maintainance.
- The supporting professional cold-drying machine has a capacity of 1m³. It externally connect polymer hollow fiber membrane drying system and bacterial filter, providing medical grade air source, dew point temperature -20°C ~ 5°C (controllable). The filtration accuracy is up to 0.01μm.
- Each head is equipped with soundproof processor, combined with external soundproof cabinet, effectively control the noise decibel, Slient operation.
- Equipped with standard 400L tank, external pressure display device, it can timely observe the pressure state in the tank. The tank is equipped with nano sterilization and antirust treatment, so the output air source is clean.



Box design, super quiet CNC control system, safe and effective

Equipped with large gas storage tank, can provide continuous and stable gas. The inside of the gas storage tank is treated with nano coating, which will never rust.

Refrigeration dryer+three precision filters (0.01μm)

The standard dew point temperature can reach -20 °C, Effectively filter 90% moisture and impurities in the air to provide a dry and clean air source

DA910/DA920/DA930/DA940/DA950/DA960

Model		DA910	DA920	DA930	DA940	DA950	DA960
Voltage/hz	V/Hz	380V/50Hz					
Power	kw	5	7.5	10	15	17.5	20
Max Flow	L/min	1000	1500	2000	3000	3500	4000
Rated Flow	L/min	500	750	1000	1500	1750	2000
0.5mpa Exhaust Volume	L/min	550	825	1100	1650	1925	2200
Gas Tank Volume	L	400	400	800	800	1200	1200
Net Weight	kg	270	360	450	680	800	860
Noise	dB(A)	≤70	≤70	≤70	≤70	≤70	≤70
Product Size	mm	1000×640×1120	1260×710×1130	1260×710×1130	1270×740×1580	1530×740×1580	1530×740×1580
Packaging Size	mm	1080×720×1270	1340×790×1280	1340×790×1280	1380×820×1720	1640×820×1720	1640×820×1720
Number Of Chairs	台	1~10	10~20	20~30	30~40	40~50	50~60

CAD/CAM Air Compressor

- High quality oil-free piston compressor and high-performance drying tower with a drying dew point of $-20\text{ }^{\circ}\text{C} - 30\text{ }^{\circ}\text{C}$ are used to ensure the drying of the outlet gas source;
- 70L/min gas flow supply and 0.8Mpa air pressure output can meet the operating requirements of most milling machines in the market. Equipped with cooling fans to ensure stable operation of the equipment;
- The soundproof cabinet is equipped with wave crest silencing cotton, combining with the head soundproof to make the equipment running noise less than 50dB;
- The antirust coating on the inner wall of the gas storage tank meets the medical standard;



Dry air source



Stable and reliable



Silent operation



Special for medical treatment

Why Choose ?

① Lasting operation of the milling machine

Insufficient drying of the output air of the air compressor will damage the main shaft of the equipment, thereby affecting the service life of the equipment and the processing accuracy.

② Ensure stable air pressure/air flow

When the air compressor is shared between the milling machine and the dental chair in the clinic, there is often insufficient air pressure/air flow, which causes the equipment to fail to operate normally.

③ More delicate and lower cost

The new milling machine is connected to the air compressor, the original pipeline layout is no longer suitable for the equipment. The disorderly layout of the extension tube affects the aesthetics of the outpatient clinic. Re-routing of the pipes will destroy the clinic decoration, thus greatly increasing the cost to the user.

Model	Size (mm)	Voltage Frequency(V/hz)	Weight(kg)	Max flow(L/min)	0.5MPaExhaust volume(L/min)
DA7001/10DCS	450×520×625	100~240/50~60	52	137	70
DA7001/10D	460×345×500	100~240/50~60	28	137	70
Rated Power(Va)	Gas tank volume(L)	Noise(dB)	Filtration accuracy (μm)	Dry dew point (C)	Maximum output working pressure (MPa)
750	10	≤50	0.01	-20 ~ -30	0.8
750	10	≤65	0.01	-20 ~ -30	0.8



Air-compressors For CAD/CAM

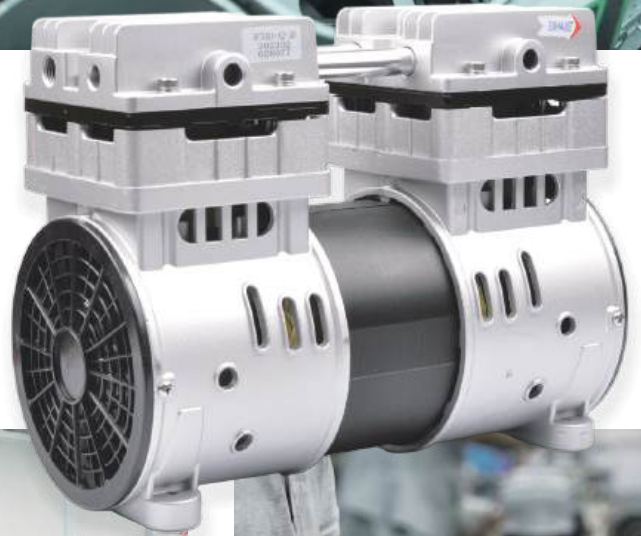
- | Specialized
- | Focused
- | Dedicated

CAD/CAM

DYNAMIC



OIL-FREE ELECTRIC AIR COMPRESSOR HEAD



Core team independent R&d, 26 cnc processing Equipment for accessories.



2300m² production workshop. Multiple digital production line.



Strictly product quality control, 300,000 units annually output.

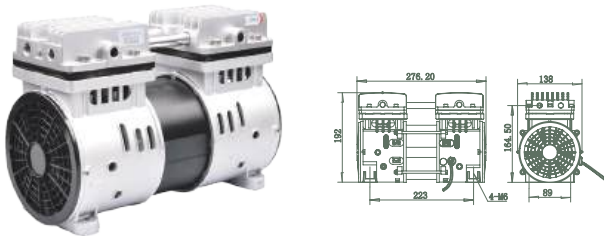
COMPRESSOR HEAD

DYNAMIC AIR COMPRESSOR

Parameter of ZW Series Motor

Model	ZW190A	ZW280A	ZW500A	ZW700A	ZW850A	ZW1100A	ZW1500A	
Voltage/Hz	V/Hz	220~230/50						
Electric Capacity	μ F	5	10	15	30	30	30	35
Power	kw	0.19	0.32	0.55	0.75	0.75	1.1	1.5
Rated Current	A	1.1	1.4	2.8	3.8	3.8	5.8	7
Rated pressure	Bar	8	8	8	8	8	8	8
Air flow @5 bar	L/min	15	33	60	78	78	132	158
Net weight	KG	3.4	6	9.2	10.6	10.6	17.2	17.4
Noise	dB(A)	≤65	≤65	≤68	≤68	≤68	≤70	≤70
Dimensions	mm	173.2×94.5×142.7	271.5×138×214.5	271.5×138×193	271.5×138×214.5	269×136×226.3	324.7×168×285	324.7×168×285
Base Angle Mounting Dimensions	mm	113×70(4-M6)	224×89(4-M6)	224×89(4-M6)	224×89(4-M6)	230×89(4-M6)	244×127(4-M8)	244×127(4-M8)

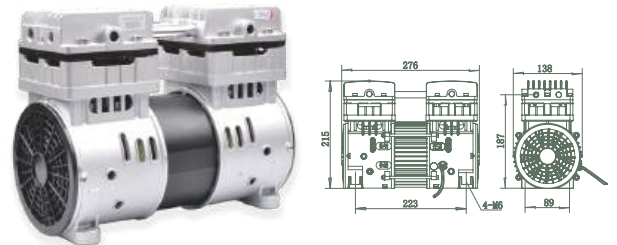
AIR COMPRESSOR MOTOR ZW500A



Rated Power 550W Rated Flow 40L/min

220V/50Hz,PD4018 110V/60Hz,PD4019	Electrical Solenoid Valve
PW1001	Air Regulator And Fliter
PS0169-1	Air Intake Filter
PW1026 PW1025 PW1027	Axial Pressure Gauage Y40 Axial Pressure Gauage Y50 Radial Pressure Gauage Y40
PW1011	Safety Valve
PD5001	Pressure Valve
PW1022	Check Valve
220V/50Hz,PD3001(4A) 110V/60Hz,PD3003(8A)	Overload protector
J4034	Cylinder Jacket
J4052	Piston Ring
J4043	Plate
PS0012	Motor Rubber Foot
E4005	Cylinder Head Sealing Ring

AIR COMPRESSOR MOTOR ZW500A



Rated Power 750W Rated Flow 50L/min

220V/50Hz,PD4018 110V/60Hz,PD4019	Electrical Solenoid Valve
PW1001	Air Regulator And Fliter
PS0169-1	Air Intake Filter
PW1026 PW1025 PW1027	Axial Pressure Gauage Y40 Axial Pressure Gauage Y50 Radial Pressure Gauage Y40
PW1011	Safety Valve
PD5001	Pressure Valve
PW1022	Check Valve
220V/50Hz,PD3002(5A) 110V/60Hz,PD3004(10A)	Overload protector
J4032	Cylinder Jacket
J4052	Piston Ring
J4043	Plate
PS0012	Motor Rubber Foot
E4005	Cylinder Head Sealing Ring

Suitable for all DynAir compressors. The dew point can reach the standard for medical use. Filter precision reaches 30um, very cost-effective.



Adsorption Dryer DAPG01

Built-in high-end hollow fiber material, making filtered air drier. Built-in air filter, filtering accuracy can reach 1um. The dew point temperature of the condensing component can reach -20°C. Beautiful in appearance.



Membrane system + three-grade-filtration DAPG10

The hollow fiber component of the filter element is equipped with three-grade-filtration, which can effectively filter water, oil and particulate matter in the compressed air with the highest accuracy of 0.01um. Lower dew point temperature, better filtration.



High-end Membrane Dryer DAPG04

The lowest silencing value can reach 65-72dB. The exclusive technology of the air inlet silencer, the soundproof cabinet can be reduced by 10dB; Can meet the clinic, laboratory use. Different models and specifications of the soundproof cabinet can be configured according to the size of the air compressor.



Soundproof Cabinet

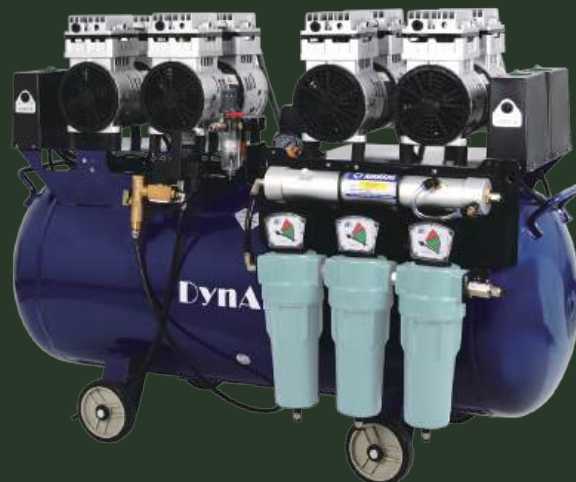
The structure is novel and the noise reduction effect is remarkable, which solves the noise problem of air compressors. Ventilation system is equipped, greatly improving the comprehensive performance of the product.



Air Dryer System Sample Display



DA5001+DAPG04



DA7004+DAPG10



Electrial Sollenoid



Air Regulator and Fliter



Sliencer



Radial Pressure Gauge



Axial Pressure Gauge



Safety Valve



Pressure Valve



Check Valve



Overload Protector



Cylinder Jacket



Piston Ring



Motor Foot Rubber



Plate



Cylinder head sealing ring



**OIL FREE
POWERFUL
QUIET**



Canada

Address: 11951 Hammersmith Way Richmond, BC V7A 5H9 Canada

Tel/ Whatsapp: +1-778-929-3818

Email: sales@dynairdental.com

Web Address: www.dynairdental.com

Mexico

Address: Av. Andres Garcia Lavin 185 San Ramon Nte 97117 Merida, Yuc.,

Mexico

Tel / Whatsapp: +52-984-196-5783

Email: mexico@dynairdental.com

Web Address: www.dynairdental.com

China

Address: 108, Xingpu Road Lujia Town, Kunshan City Jiangsu, China



Tel / Whatsapp: +86 18261696472

Email: support@dynamicgroup.cn

Web Address: www.dynamicgroupglobal.com

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