

OIL-FREE

AIR FOR LIFE ⓘ



DK50 DK50-10

for one dental unit

DK50 Z

- without soundproofing box

DK50 S

- with soundproofing box

DK50-10 Z

- without soundproofing box

DK50-10 S

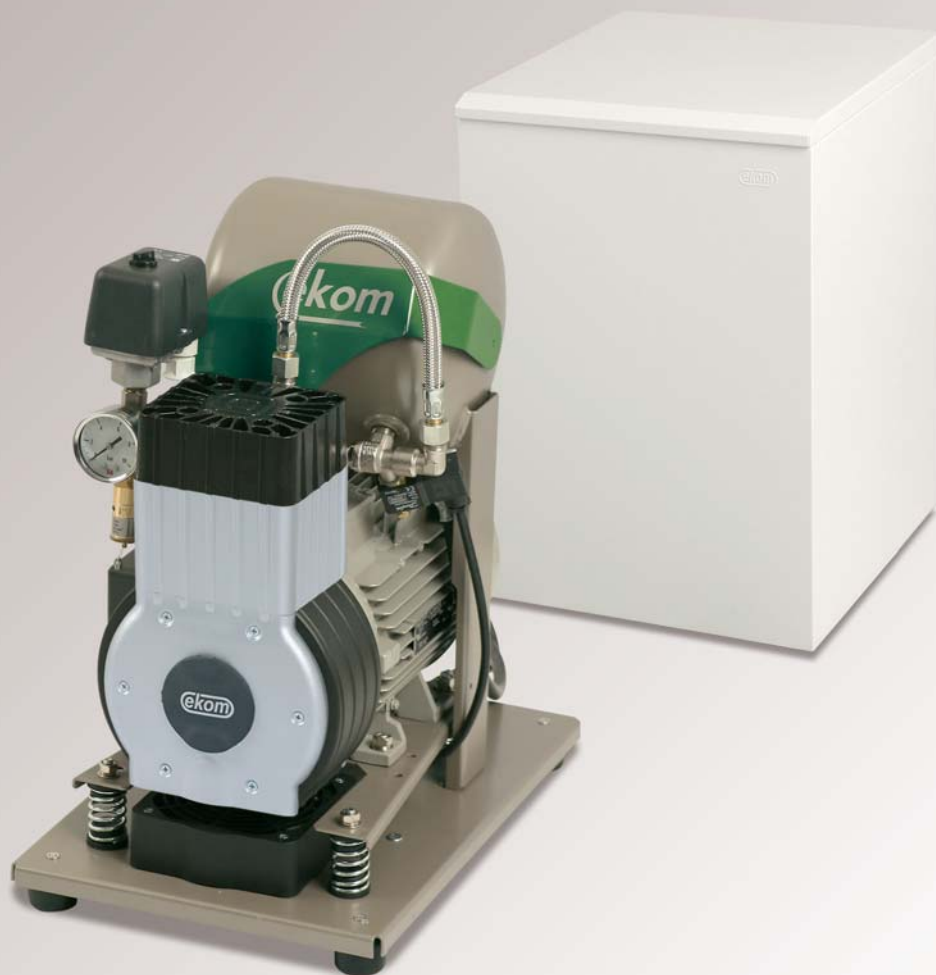
- with soundproofing box

DK50-10 Z/M

- without soundproofing box,
with adsorption dryer

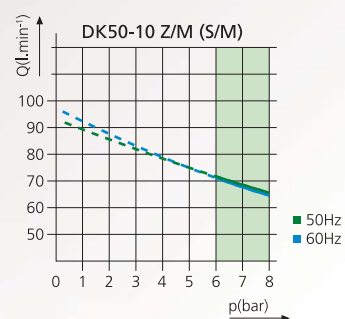
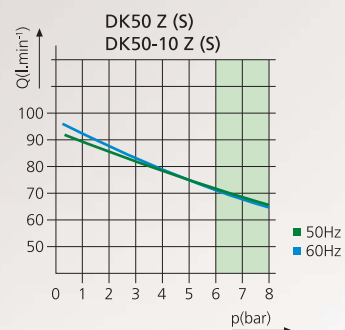
DK50-10 S/M

- with soundproofing box
and adsorption dryer



Technical specification	DK50	DK50-10
Nominal voltage (V/Hz)	230/50 (60) 110/ 60	230/50 (60) 110/ 60
Compressor efficiency (l.min ⁻¹ /5 bar)	75	75
Compressor efficiency with dryer (l.min ⁻¹ /5 bar)	-	75
Working pressure of compressor (bar)*	6 - 8	6 - 8
Air tank capacity (lit.)	5	10
Noise level without box (dB [A])	≤ 65	≤ 65
Noise level with box (dB [A])	≤ 45	≤ 45
Dimensions without box (w x l x h)(mm)	290x430x490	330x430x530
Dimensions with box (w x l x h)(mm)	380x525x575	420x525x620

* Other working pressures on demand.
Technical modifications are subject to change.



--- The field of pressures of non optimal operation of dryer.

DK50 PLUS

for one dental unit

DK50 2V

for two to three surgeries

DK50 PLUS DK50 2VS

- without soundproofing box

DK50 PLUS S DK50 2VS

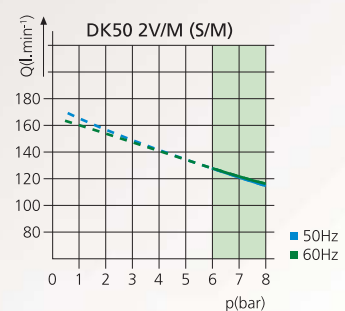
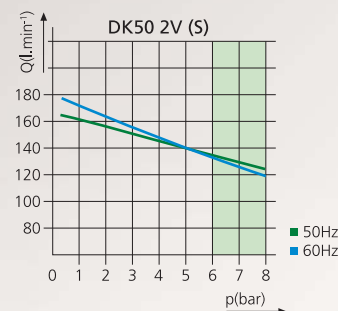
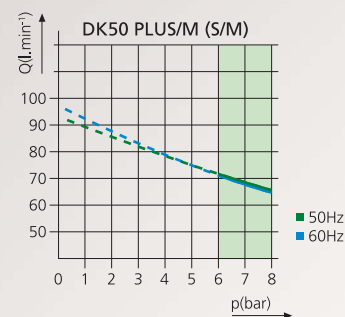
- with soundproofing box

DK50 PLUS/M DK50 2V/M

- without soundproofing box, with adsorption dryer (controlled regeneration)

DK50 PLUS S/M DK50 2VS/M

- with soundproofing box, with adsorption dryer (controlled regeneration)



Technical specification	DK50 PLUS	DK50 2V
Nominal voltage (V/Hz)	230/50 (60) 110/ 60	230/50 (60) 3x400/ 50
Compressor efficiency (L.min ⁻¹ /5 bar)	75	140
Compressor efficiency with dryer (L.min ⁻¹ /5 bar)	75	135
Working pressure of compressor (bar)*	6 - 8	6 - 8
Air tank capacity (lit.)	25	25
Noise level without box (dB [A])	≤ 66	≤ 71
Noise level with box (dB [A])	≤ 47	≤ 53
Dimensions without box (w x l x h)(mm)	460x460x690	460x460x690
Dimensions with box (w x l x h)(mm)	560x665x860	560x665x860

* Other working pressures on demand.
Technical modifications are subject to change.

--- The field of pressures of non optimal operation of dryer.

DK50 2V/50

for four dental surgeries

DK50 2V/50

- without soundproofing box

DK50 2V/50S

- with soundproofing box

DK50 2V/50/M

- without soundproofing box, with adsorption dryer

DK50 2V/50S/M

- with soundproofing box, with adsorption dryer

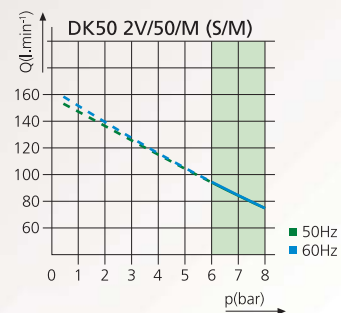
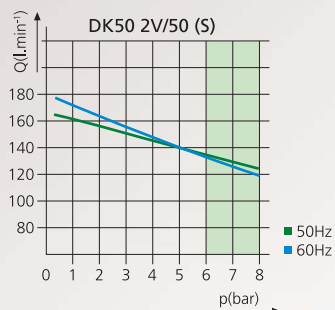


Technical specification	DK50 2V/50
Nominal voltage (V/Hz)	230/50 (60) 3x400/ 50
Compressor efficiency (l.min ⁻¹ /5 bar)*	140
Working pressure of compressor (bar)**	6 - 8
Air tank capacity (lit.)	50
Noise level without box (dB [A])	≤ 71
Noise level with box (dB [A])	≤ 56
Dimensions without box (w x l x h)(mm)	595x475x770
Dimensions with box (w x l x h)(mm)	750x690x1015

* Efficiency of compressor with dryer is lower about 15-25%.

** Other working pressures on demand.

Technical modifications are subject to change.



--- The field of pressures of non optimal operation of dryer.

DK50 2V/110

for four dental units

DK50 2x2V/110

for eight dental units

DK50 2V/110
DK50 2x2V/110

- without soundproofing box

DK50 2V/110S
DK50 2x2V/110S

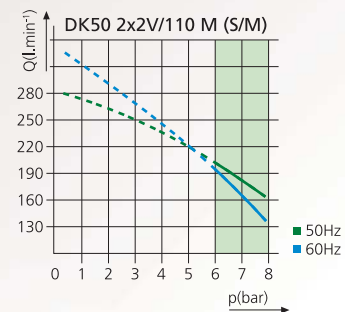
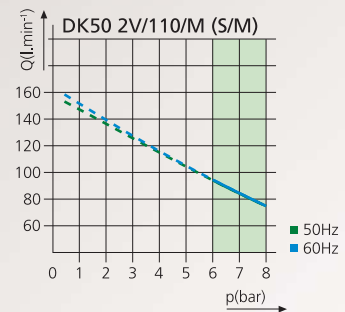
- with soundproofing box

DK50 2V/110/M
DK50 2x2V/110/M

- without soundproofing box,
with adsorption dryer

DK50 2V/110S/M
DK50 2x2V/110S/M

- with soundproofing box,
with adsorption dryer



Technical specification	DK50 2V/110	DK50 2x2V/110
Nominal voltage (V/Hz)	230/50 (60) 3x400/50	230/50 (60) 3x400/50
Compressor efficiency (L·min ⁻¹ /5 bar)*	140	280
Working pressure of compressor (bar)**	6 - 8	6 - 8
Air tank capacity (lit.)	110	110
Noise level without box (dB [A])	≤ 71	≤ 73
Noise level with box (dB [A])	≤ 52	≤ 53
Dimensions without box (w x l x h)(mm)	1090x425x815	1090x425x815
Dimensions with box (w x l x h)(mm)	1200x720x990	1200x720x990

* Efficiency of compressor with dryer is lower about 15-25%.

** Other working pressures on demand.

Technical modifications are subject to change.

--- The field of pressures of non optimal operation of dryer.

DUO

DUO 2V DUO 2

compressor and suction in one

DUO

- for one dental unit
(combination of compressor model DK50 PLUS with suction for one dental unit)

DUO 2V

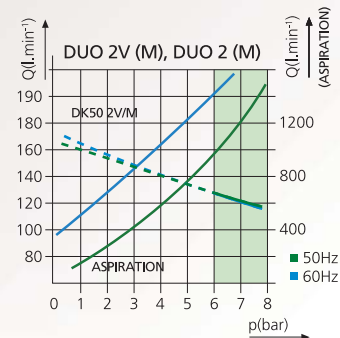
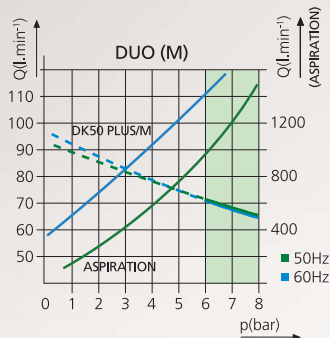
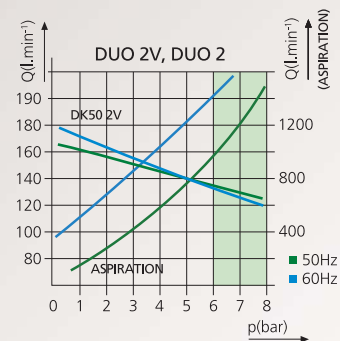
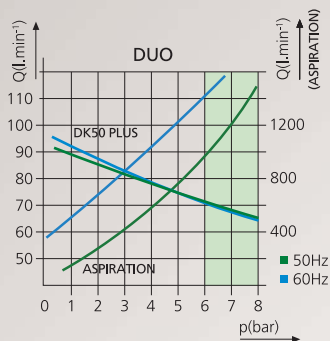
- for one or two dental units
(combination of compressor model DK50 2V with suction for one or two dental units)

DUO 2

- for two dental units
(combination of compressor model DK50 2V with two suctions for two dental units)

DUO/M, DUO 2V/M, DUO 2/M

- with adsorption air dryer
(with controlled regeneration)



Technical specification	DUO	DUO 2V	DUO 2
Nominal voltage (V/Hz)	230/50 (60)	230/50 (60)	230/50 (60)
Compressor efficiency (l.min ⁻¹ /5 bar)	75	140	140
Compressor efficiency with dryer (l.min ⁻¹ /5 bar)	75	135	135
Working pressure of compressor (bar)*	6 - 8	6 - 8	6 - 8
Max output capacity of the suction pump (l.min ⁻¹)	1100	1100	2 x 1100
Air tank capacity (lit.)	25	25	25
Noise level (dB [A])	≤ 47	≤ 51	≤ 51
Dimensions (w x l x h)(mm)	560x640x1250	560x640x1250	560x640x1250

* Other working pressures on demand.
Technical modifications are subject to change.

--- The field of pressures of non optimal operation of dryer.

DO M

a mobile, completely self-contained aspirator unit

- It is intended for the dental practice needs for aspiration, separation and entrapping of the waste into the built-in separation vessel.



Technical specification	
Nominal voltage (V/Hz)	230/ 50 (60) 110/ 60
Max. output capacity (L.min ⁻¹)	1100
Max. under-pressure (kPa)	12
Noise level (dB [A])	≤ 48
Dimensions (w x l x h)(mm)	565x350x860

Technical modifications are subject to change.

DO 2.1(T)

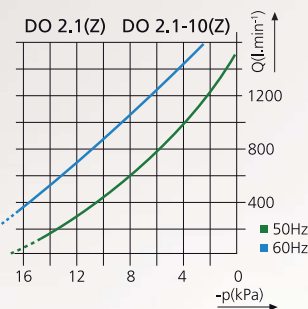
dental suction machines

- It serves as the source of vacuum for the dental chair fitted with a pneumatic control module. The suction unit equipped with control unit, that switches suction unit on by a switch (DO 2.1T) or by control voltage from the dental unit (DO 2.1).



Technical specification	
Nominal voltage (V/Hz)	230/ 50 (60) 110/ 60
Nominal input (VA)	450
Max. output capacity (L.min ⁻¹)	1100
Maximum underpressure (kPa)	12
Operating voltage (V/A DC /AC)	24/ 0.1
Noise level without box (dB [A])	≤ 58
Noise level with box (dB [A])	≤ 46
Dimensions without box (w x l x h)(mm)	290x430x350
Dimensions with box (w x l x h)(mm)	380x525x575

Technical modifications are subject to change.



DUPLEX

for centralized system

DK50 4x2V/M

- with adsorption dryer

Technical specification	
Nominal voltage (V/Hz)	3x400/50
Compressor efficiency (L.min ⁻¹ /5 bar)	480
Working pressure of compressor (bar)*	6 - 8
Air tank capacity (lit.)	220
Degree of air drying (°C)	atmospheric dew point -20
Noise level (dB [A])	≤ 73
Dimensions (w x l x h)(mm)	970x1120x900

* Other working pressures on demand.
Technical modifications are subject to change.



TOWER

for centralized system

DK50 4x2VT/M, DK50 6x2VT/M, DK50 9x2VT/M, DK50 12x2VT/M, DK50 15x2VT/M

- unit consists of four, six, nine, twelve or fifteen oil-free compressor aggregates and with adsorption dryer system.



Technical specification	DK50 4x2VT/M	DK50 6x2VT/M	DK50 9x2VT/M	DK50 12x2VT/M	DK50 15x2VT/M
Nominal voltage (V/Hz)	3x400/50	3x400/50	3x400/50	3x400/50	3x400/50
Compressor efficiency (L.min ⁻¹)	480	720	1080	1440	1800
Air tank capacity (l)	220	330	330	330	330
Working pressure of compressor (bar)*	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8
Degree of air drying (atmospheric dew point) (°C)	-20	-20	-20	-20	-20
Noise level(dB [A])	≤ 73	≤ 74	≤ 75	≤ 76	≤ 83
Dimensions (w x l x h)(mm)	2475x550x1740	2475x550x1740	2910x550x1740	3460x550x1740	3910x550x1850

* Other working pressures on demand.
Technical modifications are subject to change.

MONZUN

adsorption and n-psl dryer

MONZUN M1.10

- single chamber adsorption dryer

MONZUN M1a

- single chamber adsorption dryer (controlled regeneration)

MONZUN M2 / M3

- double chamber adsorption dryer



Technical specification	M1.10	M1a	M2	M3	NDM-020	NDM-030
Nominal voltage (V/Hz)	230/ 50 (60) 110/ 60	230/ 50 (60) 110/ 60	230/ 50 (60) 110/ 60	230/ 50 (60) 110/ 60	230/ 50 (60)	230/ 50 (60)
Max. drying capacity at 5 bar (Lmin ⁻¹)	75	140	140/280	140	90/ 6bar	180/ 6bar
Degree of drying (atmospheric dew point) (°C)	- 20				- 40	- 40
Operation regime	intermittent	intermittent	continuous	continuous	continuous	continuous
Dimensions (w x l x h)(mm)	350x175x535	370x215x520	520x200x540	440x175x510	175x1005x455	175x1005x660

Technical modifications are subject to change.

KJF

condensing and filtration unit

KJF1 KJF2

- are designed for partial separation of humidity and filtration for impurities in pressed air

Technical specification	KJF 1	KJF 2
Filtration capacity at 5 bar (lit.min ⁻¹)	140	280
Degree of filtration (µm)	30 (5)	
Draining of condensed water	automatic	
Dimensions (w x l x h)(mm)	380x100x440	380x150x440

Technical modifications are subject to change.



FILTRATION UNITS

are designed for filtration of compressed air

Technical specification	
Filtration capacity (lit.min ⁻¹)	0 - 2000
Degree of filtration (µm)	30/ 5/ 0,3/ 0,01
Draining of condensed water	automatic, semi-automatic

Technical modifications are subject to change.



AUTODRAIN

automatic discharge of condensate

- These sets are delivered according to the compressor type :

AOK 1 - DK50 Z, DK50-10 Z

AOK 1 S - DK50 S, DK50-10 S

AOK 2 - DK50 PLUS, DK50 2V

AOK 2 S - DK50 PLUS S, DK50 2VS

**AOK 3 - DK50 2V/50,
DK50 2V/110, DK50 2x2V/110**

**AOK 3 S - DK50 2V/50S,
DK50 2V/110S, DK50 2x2V/110S**

- A valve to automatically drain condensation from the air receiver tank at adjustable, pre-set intervals.



DS1

silencer without filter

Silencer without filter reduces the high frequency whistle from the suction motor up to 4 dB. For use when exhaust from the suction is outside of the surgery.



type of silencer	catalogue numbers	DO 2.1	DUO DUO 2V	DUO 2
silencer DS1 without filter DS1*	604021115	✓	✓	✓
silencer DS1 without filter DS1**	604021535		✓	
silencer DS1 without filter DS1**	604021536			✓

* Valid for DUO, DUO 2V, DUO 2 till ser. num. D8869-08-09

** Valid for DUO, DUO 2V, DUO 2 from ser. num. D8870-09-09

DS2

silencer for mounting on the wall

Silencer for wall mounting reduces the high frequency whistle from the suction motor up to 4 dB. Silencer without filter is designed for use when exhaust from the suction is outside of the surgery. Silencer with HEPA filter is designed for use when exhaust from the suction is inside of the surgery.



type of silencer	catalogue numbers
Silencer DS2 without filter - wall mounting	604001079
Silencer DS2 with filter - wall mounting	604001080

* Valid for DUO, DUO 2V, DUO 2 till ser. num. D8869-08-09

** Valid for DUO, DUO 2V, DUO 2 from ser. num. D8870-09-09

DS3

silencer with filter

Silencer with HEPA filter reduces the high frequency whistle from the suction motor up to 4 dB. Silencer with HEPA filter is designed for use when exhaust from the suction is inside of the surgery.



DS4 DS5

silencer with filter



type of silencer	catalogue numbers	DO 2.1	DUO DUO 2V	DUO 2
silencer DS3 with filter	604021145	✓		
silencer DS3* with filter	604021161		✓	
silencer DS3* with filter	604021146			✓
silencer DS4** with filter	603011849		✓	
silencer DS5** with filter	603011994			✓

* Valid for DUO, DUO 2V, DUO 2 till ser. num. D8869-08-09

** Valid for DUO, DUO 2V, DUO 2 from ser. num. D8870-09-09



DK50, DK50-10
DK50 PLUS, DK50 2V
DK50 2V/50
DK50 2V/110, DK50 2x2V/110
DUO, DUO 2V, DUO 2
DO M
DO 2.1
DUPLEX
TOWER
MONZUN
KJF
DS1, DS2, DS3, DS4, DS5

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