OIL- FREE

AIR FOR LIFE

DK50

DK50-10

SERVICE MANUAL

EN

ekom®

CONTENTS

PRODUCT DESCRIPTION

1. ALERT NOTICES AND SYMBOLS

In the Installation, Operation and Maintenance Manual and on the appliance and its packaging, the following labels or symbols are used for important information:

	Information, instructions and cautions for the prevention of damage to health or materials
	Caution! Dangerous electric voltage
	Read the user manual!
	CE mark of compliance
	Caution! Hot surface
	Compressor is remote-controlled and may start without warning
	Earth (ground) connection
	Terminal for ground connection
	Fuse
	Alternating current
	Handling mark on package – Fragile, handle with care
	Handling mark on package – This way up (vertical position of cargo)
	Handling mark on package – Protect against moisture
	Handling mark on package – Temperature during storage and transport
	Handling mark on package – Limited stacking
	Mark on package – Recyclable material

2. MODEL VARIATIONS AND THEIR USES

Dental compressors DK50 Z and DK50-10 Z - sit on a free-standing base.

Dental compressors DK50 Z/K and DK 50-10 Z/K - sit on a free-standing base and feature a condensation and filtration unit (KJF1.)
Dental compressors DK50-10 Z/M - sit on a free-standing base and feature a membrane dryer.

Dental compressors DK50 S and DK50-10 S - feature compact soundproof boxes suitable for placing in a dentist's office.
Dental compressors DK50 S/K and DK50-10 S/K - feature compact boxes and a condensation and filtration unit (KJF1).
Dental compressors DK50-10 S/M - feature compact boxes and feature a membrane dryer.

3. TECHNICAL DATA

	DK50 Z	**DK50 S**	**DK50-10 Z**	**DK50-10 S**
Nominal voltage / frequency (*) V / Hz	230 / 50 230 / 60 110 / 60	230 / 50 230 / 60 110 / 60	230 / 50 230 / 60 110 / 60	230 / 50 230 / 60 110 / 60
Efficiency of compressor at over-pressure 5 bar Lit.min^{-1}	75	75	75	75
Efficiency of compressor with dryer at over-pressure 5 bar Lit.min^{-1}	-	-	60	60
Efficiency of compressor with KJF-1 at over-pressure 5 bar Lit.min^{-1}	75	75	75	75
Maximal current A	3.4 4.3 8.6	3.4 4.3 8.6	3.4 4.3 8.6	3.4 4.3 8.6
Maximal current of compressor with dryer A	-	-	3.6 4.5 8.8	3.6 4.5 8.8
Motor performance kW	0.55	0.55	0.55	0.55
Air tank capacity Lit.	5	5	10	10
Pressure range(**) bar	4.5 – 6.0	4.5 – 6.0	4.5 – 6.0	4.5 – 6.0
Maximum operating pressure of safety valve bar	8.0	8.0	8.0	8.0
Sound level L_{pfA} [dB]	≤ 65	≤ 45	≤ 65	≤ 45
Mode of operation	continual S 1	continual S 1	continual S 1	continual S 1
Mode of operation of compressor with dryer	-	-	continual S 1	intermittent S 3 –60%
Dimensions of compressor / of compressor with dryer W x L x H mm	290x430x490 / -	380x525x575 / -	330x430x530 / 330x580x570	420x525x620 / 420x675x620
Weight of compressor / of compressor with dryer kg	34/ -	46/-	36/42	49/55
Drying point of compressor Atmospheric condensation point	-	-	to -20°C	to -20°C
Version EN 60 601-1	Type B, class I.			

Notices:
* When ordering, state the version of compressor
** Range of pressure: consult with contractor
\- Weight of compressor with KJF-1increase about 3kg

Climatic conditions during storage and transport
Temperature –25°C to +55°C, 24 h to +70°C
Relative air humidity 10% to 90% (no condensation)

Climatic operation conditions
Temperature +5°C to +40°C
Relative air humidity 70%

4. FUNCTION

Compressor (Fig.1)
The compressor (1) draws in air through a filter (8) and compresses it through a check valve (3) into an air tank (2). The connected apparatus draws the compressed air from the air tank until the pressure drops to a default preset level on the air-pressure switch (4) switching the compressor on. The compressor again compresses air into the nozzle until the maximum pressure is reached and the compressor switches off. After compressor aggregate is switched off, pressure hose shall be pressure-release solenoid valve (13). Safety valve (5) prevents the pressure in air chamber from rising above the maximal allowed value. The drain valve (7) releases the condensate from the air nozzle. Compressed, clean air free from oil traces is stored in the air tank ready for use.

Compressor with membrane dryer (Fig.2)
The compressor unit (1) pulls in outside air through the inlet filter (8) and compresses it through the cooler (14), filter (19) and micro-filter (18) to the dryer (9) and on through the check valve (3) as dry clean air in the air tank (2). Condensate from the filter and micro-filter is automatically drained into the collection vessel. The dryer provides continuous drying of the compressed air. Dry, clean compressed air free from oil traces is stored in the air tank ready for use.

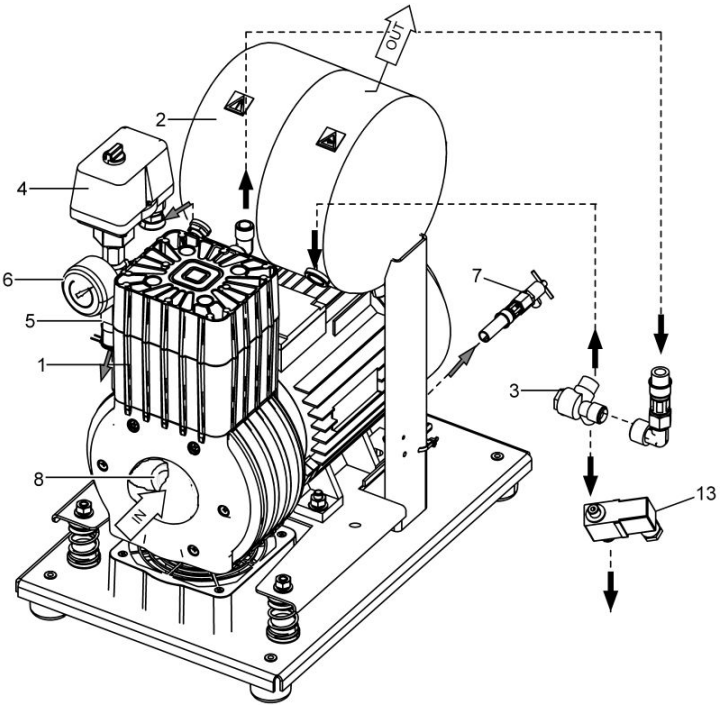
Compressor with condensation and filtration unit (Fig.3)
The compressor (1) draws in air through a filter (8) and compresses it through a check valve (3) into an air tank (2). The compressed air from the nozzle flows through a cooler (10) that cools the compressed air. The condensed moisture is trapped in the filter (11) and automatically separates as condensate (12). Dried, clean compressed air, free from oil traces, is ready for use.

Compressor box
The soundproof box is compact yet allows sufficient exchange of cooling air. It can be placed in a dentist's office. The ventilator under the aggregate of a compressor provides cooling of compressor and it is in operation at the same time with an engine of the compressor. After prolonged use the temperature in the case may rise above 40°C, causing the cooling fan blower to automatically turn on. After cooling the case area to 32°C the fan blower turns off automatically.

Make sure that nothing impedes the free flow of air under and around the compressor. Never cover the hot air outlet on the top back side of the case.

If placing the compressor on a soft floor such as carpet, create space for ventilation between the base and floor or the box and floor, e.g. underpin the footings with hard pads.

Fig.1 – Compressor



1. Compressor motor
2. Air tank
3. Check valve
4. Pressure switch
5. Safety valve
6. Manometer
7. Drain valve
8. Input filter
9. Dryer
10. Pipe cooler
11. Output filter
12. Condenser outlet
13. Solenoid valve
14. Cooler
15. Check valve
16. Magnetic bottle holder
17. Fan
18. Micro-filter
19. Filter
20. Bottle
21. Stopper

Fig. 2 - Compressor with membrane dryer

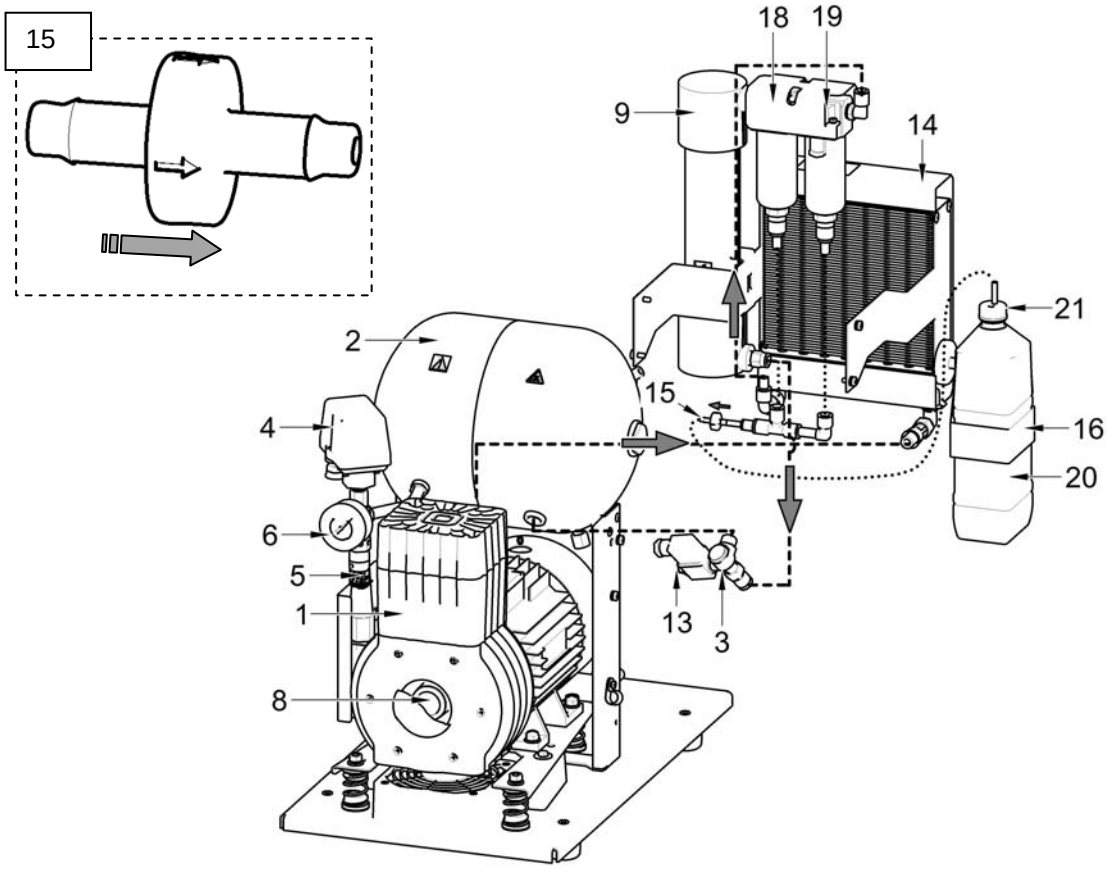
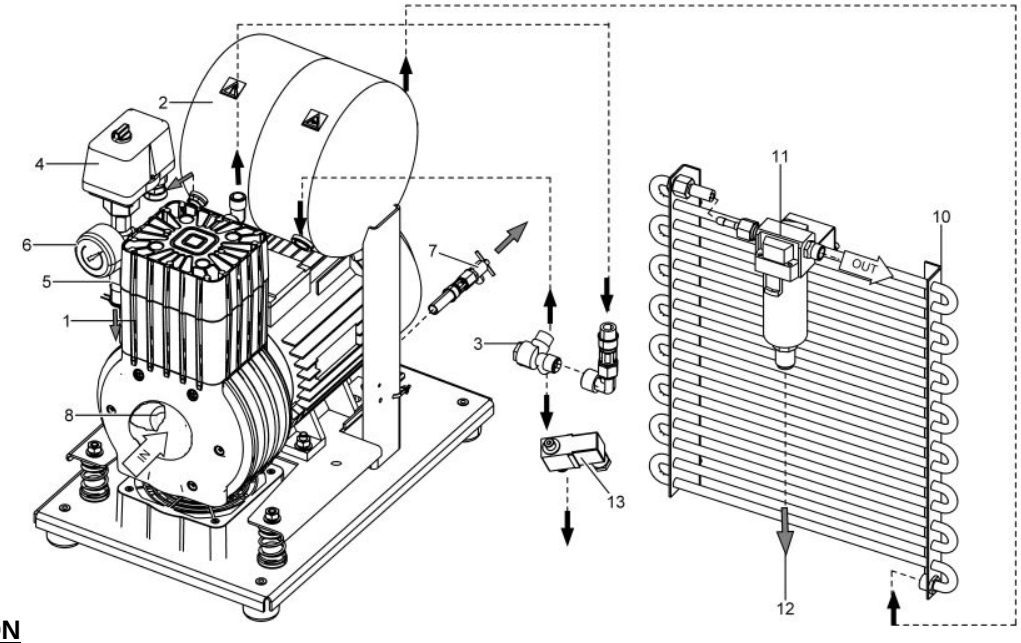


Fig.3 - Compressor with condensation and filtration unit KJF1



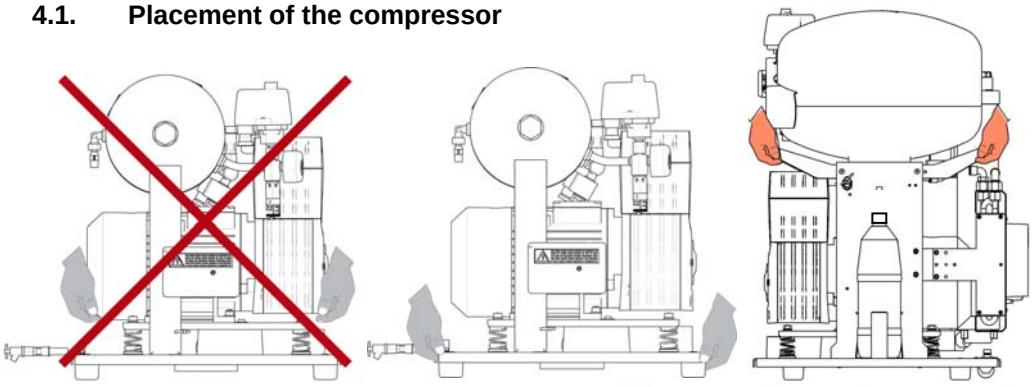
INSTALLATION

Only qualified personnel can install and start up the appliance and train operating personnel in its correct use and maintenance. Installation and training of all operators shall be confirmed by the installer's signature on the certificate of installation.

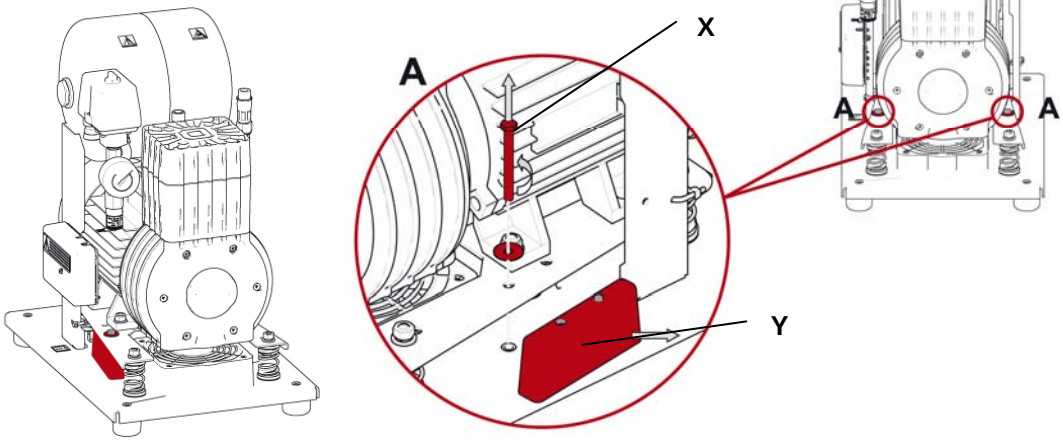
Prior to installation, ensure that the compressor is free of all transport packaging and stabilizers to avoid any risk of damage to the product.

Caution! When in operation, the compressor is hot. Burns or fire may result if contact is made by the operator or any flammable material.

4.1. Placement of the compressor



Handling



Unpacking

Fig.4

Dental compressor with base DK50 Z, DK50-10 Z (Fig.4)
After removing all packaging material, place the product on the floor and remove stabilization parts X and Y (Detail A). Direct the output pressure hose, drain hose and power cord out the back of the compressor.

Dental compressor with base DK50-10 Z/M (Fig.2, Fig.4)
After removing all packaging material, place the product on the floor and remove stabilization parts X and Y (Detail A). Direct the output pressure hose and power cord out the back of the compressor. Install the magnetic holder (16) with a vessel (20) to capture condensate from the dryer on the side of the cooler.

Dental compressor in box DK50 S, DK50-10 S (Fig.4)
After removing all packaging material, place the product on the floor and remove stabilization parts X and Y (Detail A). Direct the output pressure hose, drain hose and power cord out the back of the compressor. Slide the box over the compressor so that the front face of the box matches the front part of the compressor and the box is fully seated. Make sure that the pressure hose, drain hose and electric cord come out via the opening at the back of the box. Position the drain hose with its valve in the holder at the rear of the box.

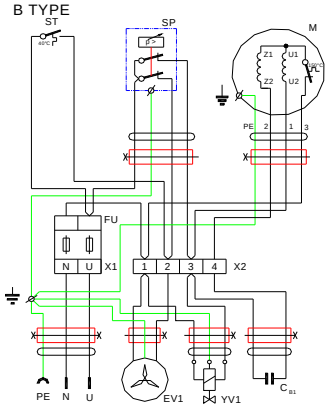
Dental compressor in box DK50-10 S/M (Fig.4)
After removing all packaging material, place the product on the floor and remove stabilization parts X and Y (Detail A). Direct the output pressure hose, drain hose and power cord out the back of the compressor. Fit the housing over the top of the compressor, connect the flexible shaft to the control button, fasten with the screw and put the lid on the cabinet housing (see picture). Make sure that the pressure hose, drain hose and electric cord come out via the opening at the back of the box. Connect the condensate drain hose to the vessel (20). The magnetic holder (16) with a vessel (20), for entrapping condensate from a dryer may be fixed at the sides of housing or from the front on its doors. When fixing the holder with a vessel at the housing side it is necessary to consider a space of at least 11 cm between the housing and furniture. Distance smaller than the specified one may cause problem with handling of the vessel.

The vessel must always be installed so that the lower section is near the floor; any other installation may damage the dryer!

5. WIRING DIAGRAMS

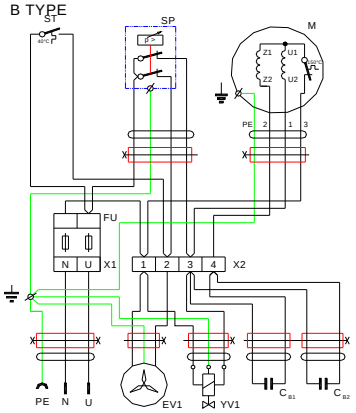
DK50 Z, DK50-10Z, DK50 S, DK50-10S

1/N/PE ~ 230 V 50..60 Hz
ELECTRIC OBJECT OF 1st CAT.
B TYPE



DK50 Z, DK50-10Z, DK50 S, DK50-10S

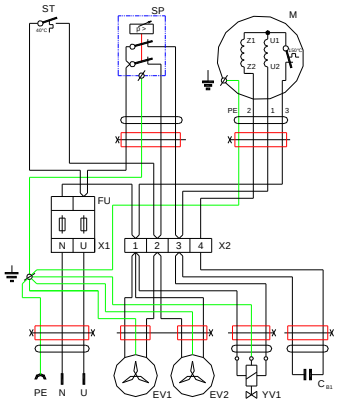
1/N/PE ~ 110 V 60 Hz
ELECTRIC OBJECT OF 1st CAT.
B TYPE



M	Motor of compressor
EV1	Fan of compressor
EV2	Fan of dryer
YV1	Solenoid valve of compressor
FU	Fuses 230/50-60 (T10A)
	110/50-60 (T16A)
ST	Thermo switch
CB1,CB2	Capacitor
SP	Pressure switch
X1,X2	Terminal

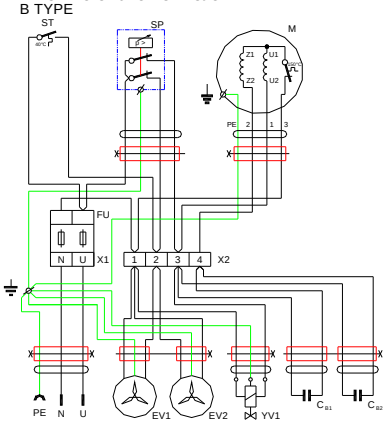
DK50-10Z/M, DK50-10S/M

1/N/PE ~ 230 V 50..60 Hz
ELECTRIC OBJECT OF 1st CAT.
B TYPE



DK50-10Z/M, DK50-10S/M

1/N/PE ~ 115 V 60 Hz
ELECTRIC OBJECT OF 1st CAT.
B TYPE



6. SWITCHING THE COMPRESSOR ON

(Fig.5)
Switch on the compressor at the pressure switch (2) by turning the knob (3) to position “I.”, The compressor sends pressurized air to the air tank. As the compressed air is used, the pressure in the air nozzle drops to a preset level, the compressor switches on and the air nozzle files with compressed air. After reaching the cutoff pressure the compressor turns off automatically and the cycle is repeated. Check the value of switching-on and switching-off pressure on pressure gauge. The values may be within a tolerance of ±10%. Air pressure in air chamber must not exceed maximal permitted operation pressure.

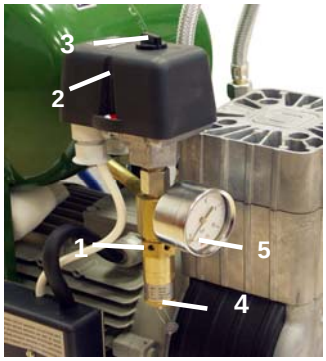


Fig.5

Never tamper with the pressure switch (2). Adjustments are not allowed. The pressure switch (2) has been set by the manufacturer and further setting of switching on and off pressure may be carried out only by a qualified expert trained by the manufacturer.

MAINTENANCE

7. MAINTENANCE SCHEDULE

Notice!
The operating entity is obliged to ensure that all tests of the equipment are carried out repeatedly at least once within every 24 months (EN 62353) or in intervals as specified by the applicable national legal regulations. A report must be prepared on the results of the tests (e.g.: according to EN 62353, Annex G), including the measurement methods used.

Time interval	Maintenance that must be performed	Chapter	Performed by
1 x day	Release condensate - At high air humidity	8.1	operating staff
1 x week	- Compressor without air drier Compressors with air drier Compressors with condensation unit : - from filter - from pressure vessel		
1 x year	Check safety valve	8.2	qualified technician
	Replacement of filter element in filter and micro-filter	8.4 8.5	operating staff
	Replacement of filter in condensation unit	8.6	qualified technician
	Check tightness of joints Overall examination of device	Service documentation	qualified technician
1 x 2 years	Perform “Repeated Test” according to EN 62353	7	qualified technician
1 x 4 years or after 8000 hours	Replacement of input filter	8.3	qualified technician

8. MAINTENANCE

Repair work beyond normal maintenance can be performed only by qualified personnel or the manufacturer’s representative.
Use only spareparts and accessories approved by the manufacturer.

Prior to any maintenance or repair work, switch off the compressor and disconnect it from the mains (pull out the mains plug).

TO ENSURE THAT THE COMPRESSOR WORKS CORRECTLY, PERFORM THE FOLLOWING MAINTENANCE TASKS AT REGULAR INTERVALS (CHAPTER 7).:

8.1. Condensation drain valve

Compressors (Fig.6)
During regular use, release condensation from the pressure tank. Switch off the compressor at the mains. Reduce air pressure in the appliance to max. 1 bar by releasing air via a connected device. Place the hose with the drain valve into a container prepared in advance and open the drain valve (1). Wait until condensation is fully drained from the pressure tank. Close drain valve (1).

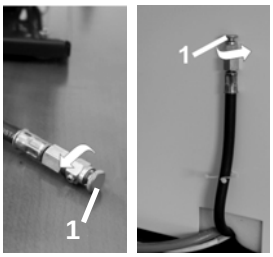


Fig.6

Compressors with condensation and filtration unit (Fig.10)
During regular use, condensation is automatically released via the release valve of the condensation unit filter. To check that the automatic drain is working properly, open the valve (4) of the drain vessel (2) by turning to the left. Release a small amount of condensate from the vessel. Close the valve (4) by turning to the right.

Compressors with air dryer
In the case of a regular operation condensate is automatically excreted via air dryer and it is entrapped in a bottle. Take out the bottle from a holder, release stopper and pour out the condensate.

For compressor models DK50 S, DK50-10 S and DK50-10S/M the case must be removed before beginning the following procedures.

8.2. Safety valve check

(Fig.5)
When the compressor is operated for the first time, make sure that the safety valve is working properly. Turn screw (4) of safety valve (1) several rotations to the left until the safety valve releases air. Let the safety valve blow out for only a few seconds. Turn screw (4) to the right until it seats, closing the valve.

The safety valve must never be used for depressurizing the air tank. It could damage the safety valve. The valve is set to the maximum permitted pressure by the manufacturer. Adjustments are not permitted.

Warning! Compressed air can be dangerous. Wear eye protection when blowing air out.

8.3. Replacement of input filter

(Fig.7)
It is necessary to replace the input filter (1) located in the lid of crank box of a compressor.

- Pull out the rubber plug (2) using a hand.
- Take out the used and contaminated filter.
- Insert new filter and put on a rubber plug.

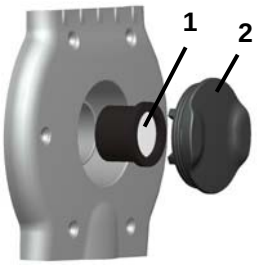


Fig.7

8.4. Replacement of filter element in filter

(Fig.8)
Loosen a safety-catch (1) on a filter regulator by pulling it down.
Turn the container slightly (2) and pull out.
Unbolt the filter holder (3).
Change the filter bed (4), bolt the filter holder.
Put the filter container on and secure it by turning it until the safety-catch is fixed.

Fig.8

Filter	Order number	Filter insert	Order number
AF 30-F02C	025200005	AF 30P-060S 5 μm	025200061

8.5. Replacement of filter element in micro-filter

(Fig.9)
Loosen a safety-catch (1) on a micro filter by pulling it down.
Turn the container slightly (2) and pull out.
Unbolt the filter (3).
Change and bolt the filter bed.
Put the filter container on and secure it by turning it until the safety-catch is fixed.

Fig.9

Micro-filter	Order number	Filter insert	Order number
AFM 30-F02C	025200007	AFM 30P-060AS 0,3 μm	025200076

8.6. Replacement of filter in condensation and filtration unit

Before beginning, depressurize the air tank to zero and disconnect the appliance from the mains.

(Fig.10)
In the case of a regular operation of a condensation unit it is necessary to replace the filter inside the filter with automatic desludging.

- Release a safety lock (1) on the filter vessel by its pulling downwards, slightly rotate the filter cover (2) to the left and take it out.
- Unscrew the filter holder (3) by its rotation to the left.
- Replace the filter and fix the new one by rotation of the holder to the right back on the filter body.
- Replace the filter cover and secure it by turning to the right until the safety pin locks.

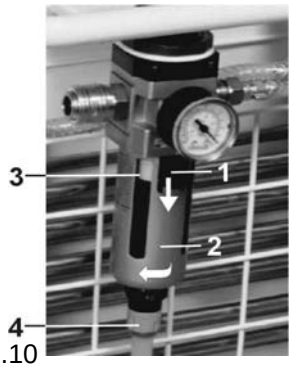


Fig.10

9. SOLVING PROBLEMS

Caution! Before proceeding, depressurize the air tank to zero and disconnect the appliance from the mains.

For permanently high efficiency of drying, it is necessary to maintain the whole appliance, and mainly ventilator clean – regularly clean the surface of ventilator and cooling fins of cooler.

Troubleshooting can be performed only by qualified personnel.

FAILURE	POSSIBLE CAUSE	REMEDY
Compressor does not start	No voltage in pressure switch	Check voltage in socket Check fuse – replace faulty one Loosen terminal – tighten it Check power cord – replace faulty one
	Disconnected winding of motor, damaged thermal protection	Replace motor or re-wind it
	Faulty capacitor	Replace capacitor
	Seizure of piston or another rotary part	Replace damaged parts
	Pressure switch does not switch on	Check the function of pressure switch
Compressor often switches on	Air leak in pneumatic distribution system	Check pneumatic distribution system – seal loose joint
	Leaking check valve	Clean valve, replace seals, replace valve
	Greater volume of condensed liquid in pressure vessel	Drain condensed liquid
Prolonged running of compressor	Air leak in pneumatic distribution system	Check pneumatic distribution system – seal loose joint
	Worn piston ring	Replace worn piston ring
	Contaminated input filter	Replace contaminated filter with the new one
	Defective solenoid valve	Repair or change the valve
Compressor is noisy (knocking, metal noises)	Damaged bearing of piston, piston rod, motor bearing	Replace damaged bearing
	Loose or cracked spring	Replace damaged spring
Dryer doesn´t dry (condensed water in the tank)	inoperative cooler ventilator	replace ventilator check supply of electric energy
	Damaged dryer	Replace dryer
	Dirty automatic condensate drain on filters	clean / replace
	Dirty filter and micro-filter elements	Replace old elements with new elements

The internal surfaces of the air tank must be cleaned and all condensed liquid must be removed after a dryer failure.

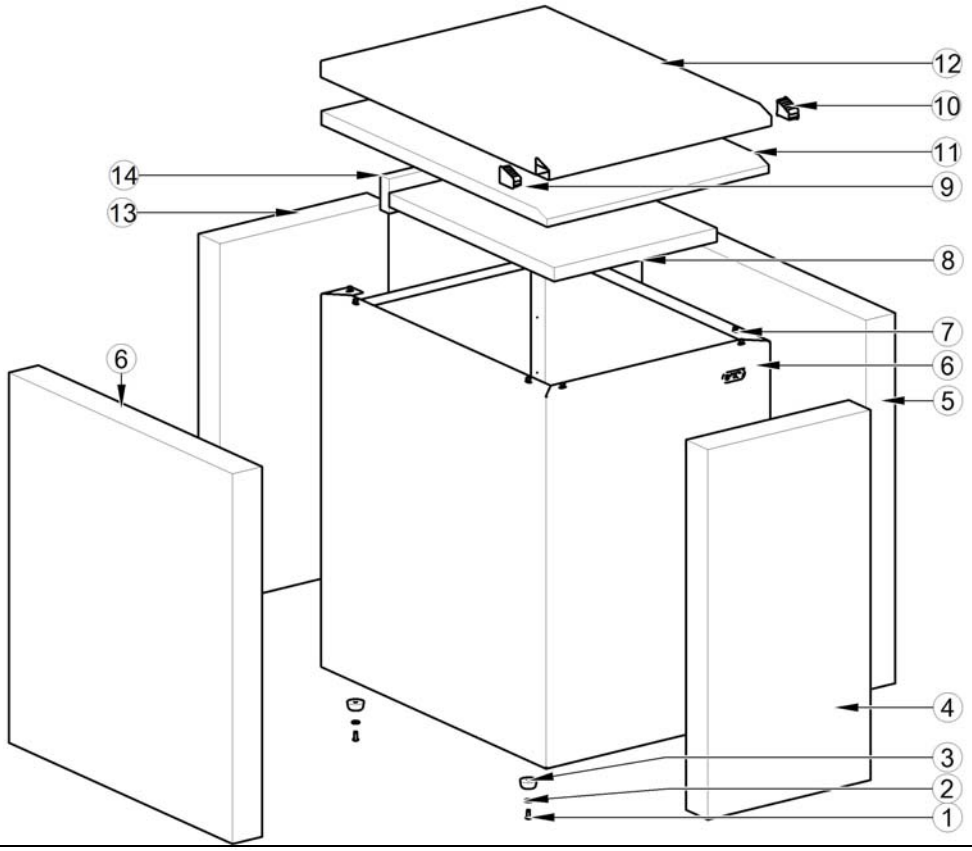
Check the dew point of the air leaving the air tank (see Chapter 3 - Technical Data) in order to protect connected equipment from damage!

LIST OF SPARE PARTS

DK50S	**230/50**	401102000-200			-
	230/60	401102400-200			-
	115/60	401102200-200			-
DK50-10S	**230/50**	402102000-200	DK50-10S/M	**230/50**	4021020A0-200
	230/60	402102400-200		**230/60**	
	115/60	402102200-200		**115/60**	4021022A0-200

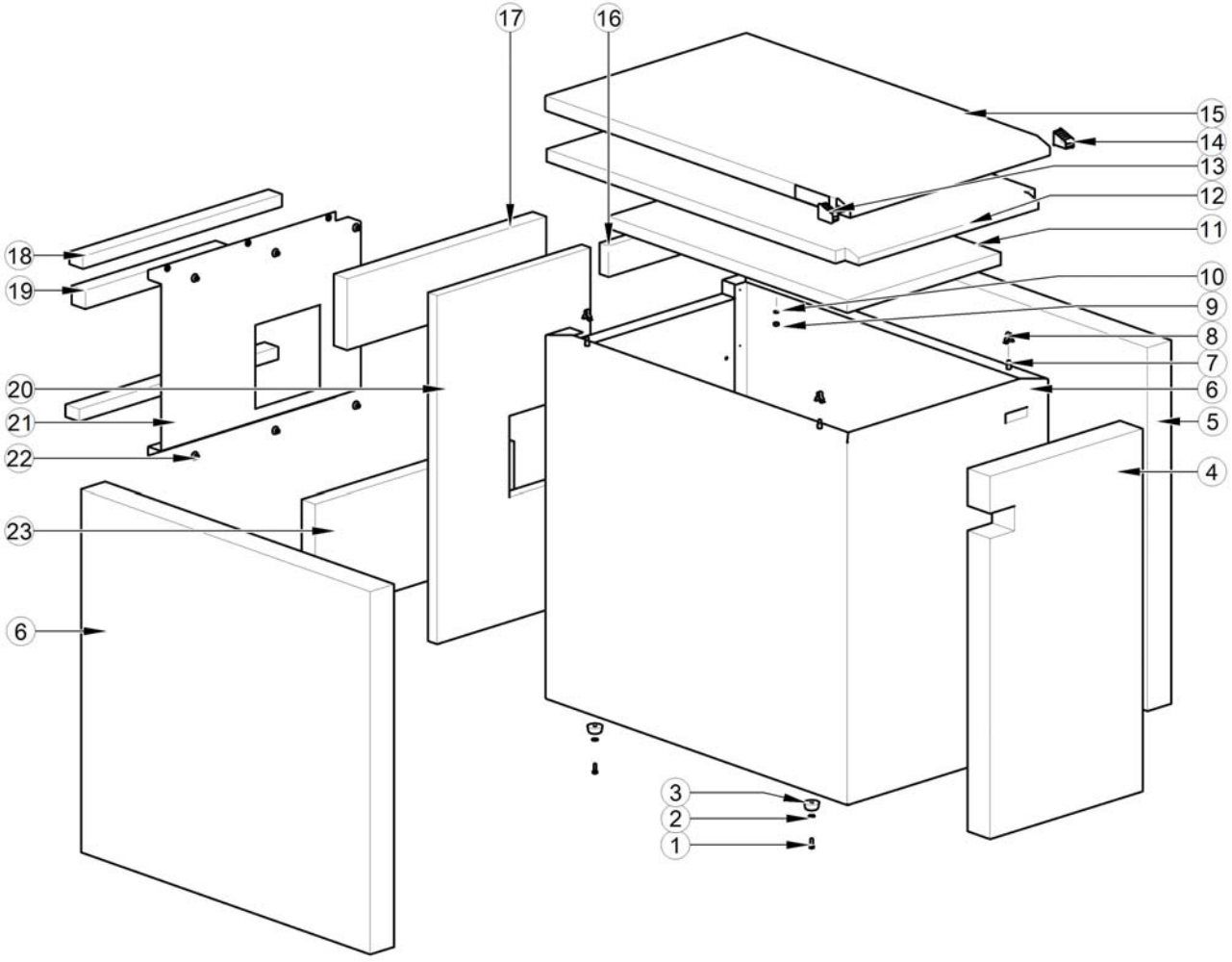
S	Box DK50		603011014-000				
S1	Box DK50 –10		603011115-000	**S3**	Box DK50 -10S/M		603012175-000
K	Compressor DK50Z	230/50	401101000-200				
		230/60	401101400-200				
		115/60	401101200-200				
K1	Compressor DK50-10Z	230/50	402101000-200	**K2**	Compressor with dryer DK50-10Z/M	230/50	4021010A0-200
		230/60	402101400-200			230/60	
		115/60	402101200-200			115/60	4021012A0-200

S	**Box (5 L)**	**3BA-014**	**603011014**-000	**S1**	**Box (10 L)**	**3BA-115**	**603011115**-000
1	Rivet		044000024-000	1	Rivet		044000024-000
2	Washer	5.3	043000002-000	2	Washer	5.3	043000002-000
3	Rubber leg		074000004-000	3	Rubber leg		074000004-000
4	Noise insulatation pad	4KA-134	061000018-000	4	Noise insulatation pad	4KA-532	061000037-000
5	Noise insulatation pad	4KA-136	061000056-000	5	Noise insulatation pad	4KA-534	061000059-000
6	Lower case	2KA-133	023000259-000	6	Lower case	2KA-343	023000258-000
7	Rivet		044000012-000	7	Rivet		044000012-000
8	Noise insulatation pad	4KA-137	061000057-000	8	Noise insulatation pad	4KA-535	061000060-000
9	Capping strip left	4KC-125	062000399-000	9	Capping strip left	4KC-125	062000399-000
10	Capping strip right	4KB-983	062000400-000	10	Capping strip right	4KB-983	062000400-000
11	Noise insulatation pad	4KA-529	061000058-000	11	Noise insulatation pad	4KA-537	061000061-000
12	Upper plate	3KA-203	023000128-000	12	Upper plate	3KA-344	023000131-000
13	Noise insulatation pad	4KA-135	061000019-000	13	Noise insulatation pad	4KA-533	061000038-000
14	Noise insulatation pad	4KA-198	061000025-000	14	Noise insulatation pad	4KA-536	061000045-000



Notice
Noise insulatation pad to bond with adhesive SABA Foamspray

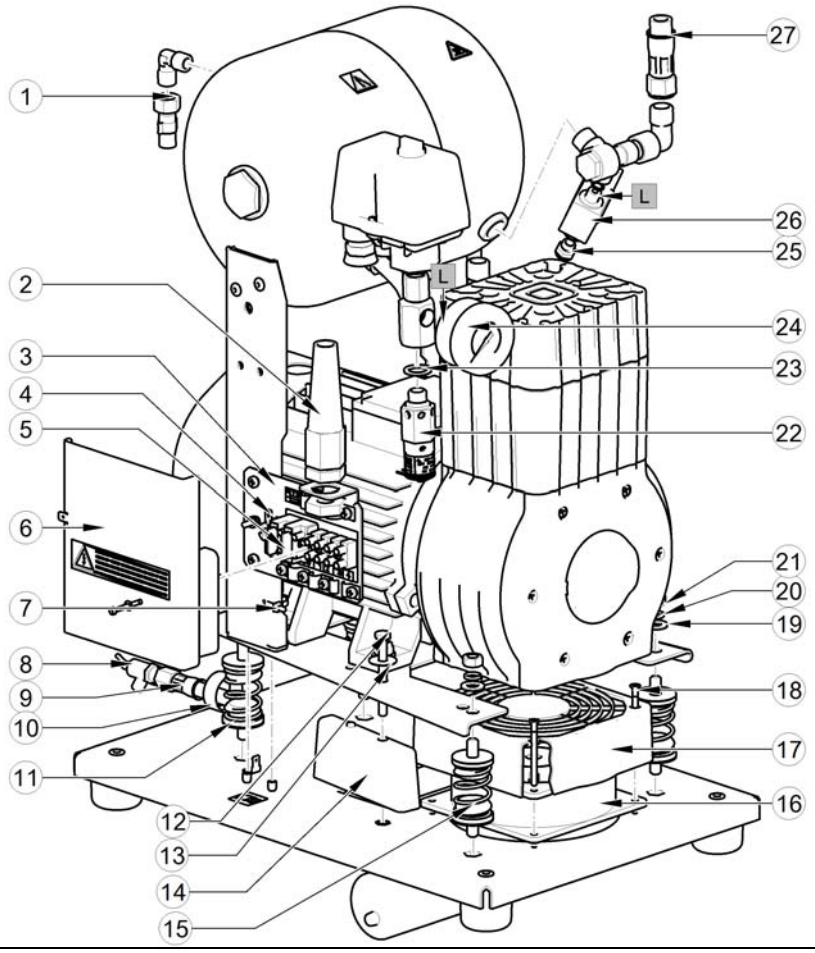
S2	Box (10 L /M)	3BB-175	603012175-000				
1	Screw		044000024-000	13	Capping strip left	4KC-125	062000399-000
2	Washer	5.3	043000002-000	14	Capping strip right	4KB-983	062000400-000
3	Rubber leg		074000004-000	15	Upper plate	3KC-140	023000649-000
4	Noise insulatation pad	4KC-254	062000410-000	16	Noise insulatation pad	31,8x5x2	061000256-000
5	Noise insulatation pad	64x58,4x5	061000260-000	17	Noise insulatation pad	41,x11,5x3	061000259-000
6	Lower case compl.		023001704-000	18	Noise insulatation pad	41,5x3x2	061000254-000
7	Pin		049000154-000	19	Noise insulatation pad		061000258-000
8	Pin spring	M4	049000155-000	20	Noise insulatation pad	4KC-256	062000411-000
9	Nut	M4	042000002-000	21	Fan tunnel	4KC-143	023000652-000
10	Washer	4	043000003-000	22	Rivet		044000012-000
11	Noise insulatation pad	53x32x2	061000255-000	23	Noise insulatation pad	4KC-257	062000412-000
12	Noise insulatation pad	4KC-259	062000413-000				



Notice
Noise insulatation pad to bond with adhesive SABA Foamspray

Compressor **DK50 S**	**230/50**	401102000-200		**K**	Compressor	230/50	401101000-200
	230/60	401102400-200			Compressor	230/60	401101400-200
	115/60	401102200-200			Compressor	115/60	401101200-200
Compressor **DK50-10S**	**230/50**	402102000-200		**K1**	Compressor	230/50	402101000-200
	230/60	402102400-200			Compressor	230/60	402101400-200
	115/60	402102200-200			Compressor	115/60	402101200-200

1	Output hose	4BA-013	604011013-000	16	Fan	230V	035300006-000
	Hose	5000	062000117-000			110V	035300005-000
	Clamper		049000010-000	17	Fan housing	3KB-914	062000347-000
	Tapered element	4KB-062	024000122-000	18	Fan screw	M4x45	041000502-000
	Nut	4KB-063	024000118-000	19	Washer	D8,4	043000009-000
2			073000231-000	20	Washer	D8,2	043000017-000
			024000238-000	21	Nut	M8	042000006-000
3	Electric panel	230/50	604021059-000	22	Safety-valve	4BA-025	604011025-000
		115/60	604021152-000	23	Gasket CU	4KA-078	025900003-000
4	Thermo switch		033510012-000	24	Manometer	50 G ¼	025400003-000
5	Fuse	T10A (230/50-60Hz)	038100005-000	25	Silencer	G 1/8	025400018-000
		T 16A (110/50-60Hz)	038100007-000	26	Solenoid valve	230/50	036100022-000
6	Electric board housing		604031537-000			115/60	036100045-000
7	Tightening strap	140x3,6	069000024-000	27	Hose	D8x300	072000039-000
8	Drain valve	G ¼“	025300001-000				
9	Drain hose		072000012-000	**A**	**Air pump 230/50**		
10	Fixing lug		033400034-000		**Air pump 230/60**		
	Screw	4,8x16	041000074-000		**Air pump 115/60**		
11	Damping element S	4CA-215	604021215-000	**B**	**Air tank (for K)**		
12	Screw	M6x60	041000503-000		**Air tank (for K1)**		
13	Washer warning	4KC-040	062000366-000				
14	Fixation Washer	3KC-424	062000447-000				
15	Damping element H	4CA-216	604021216-000				

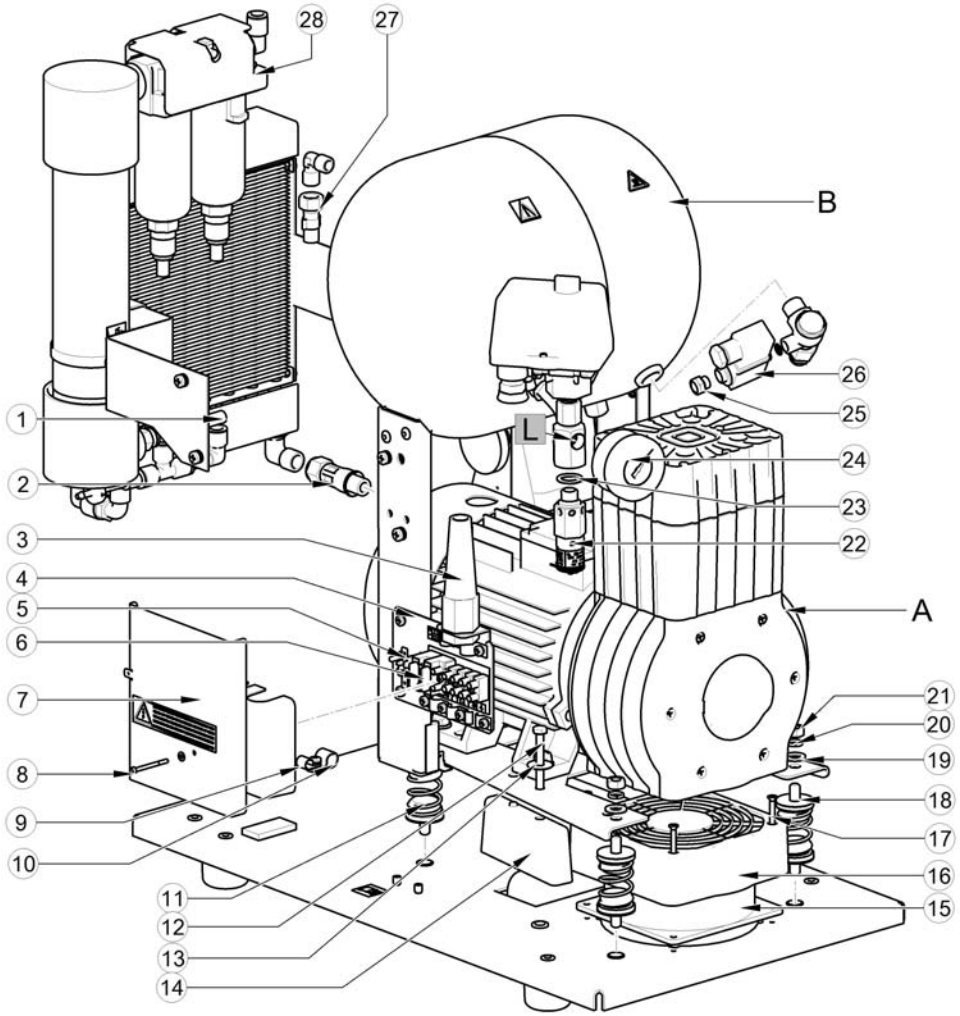


Notice

L - Bonded joints – adhesive LOCTITE 270

Compressor **DK50-10S/M**	**230/50**	4021020A0-200	**K2**	Kompresor	230/50	4021010A0-200
	230/60			Kompresor	230/60	
	115/60	4021022A0-200		Kompresor	115/60	4021012A0-200

1	Hose	PA 400	062000370-000	19	Washer	D8,4	043000009-000
2	Hose	D8x500	072000014-000	20	Washer	D8,2	043000017-000
3	Outlet element		073000231-000	21	Nut	M8	042000006-000
4	Electric panel	230/50	604021059-000	22	Safety-valve	4BA-025	604011025-000
		115/60	604021152-000	23	Gasket CU	4KA-078	025900003-000
5	Thermo switch		033510012-000	24	Manometer	50 G ¼	025400003-000
6	Fuse	T10A(230/50-60Hz)	038100005-000	25	Solenoid valve	230/50	036100022-000
		T 16A(110/50-60Hz)	038100007-000			115/60	036100045-000
7	Electric board housing		604031537-000	26	Silencer		025400018-000
8	Screw	D3,2	041000004-000	27	Input hose	4BA-013	604011013-000
9	Fixing lug		033400034-000	28	Dryer		603012169-000
10	Fixing lug		033400018-000				
11	Damping element S	4CA-215	604021215-000				
12	Screw	M6x60	041000503-000	**A**	**Air pump 230/50**		
13	Washer warning	4KC-040	062000366-000		**Air pump 230/60**		
14	Fixation Washer	3KC-424	062000447-000		**Air pump 115/60**		
15	Fan	230V	035300006-000	**B**	**Air tank (for K2)**		
16	Fan housing	3KB-914	062000347-000				
17	Fan screw	M4x45	041000502-000				
18	Damping element H	4CA-216	604021216-000				

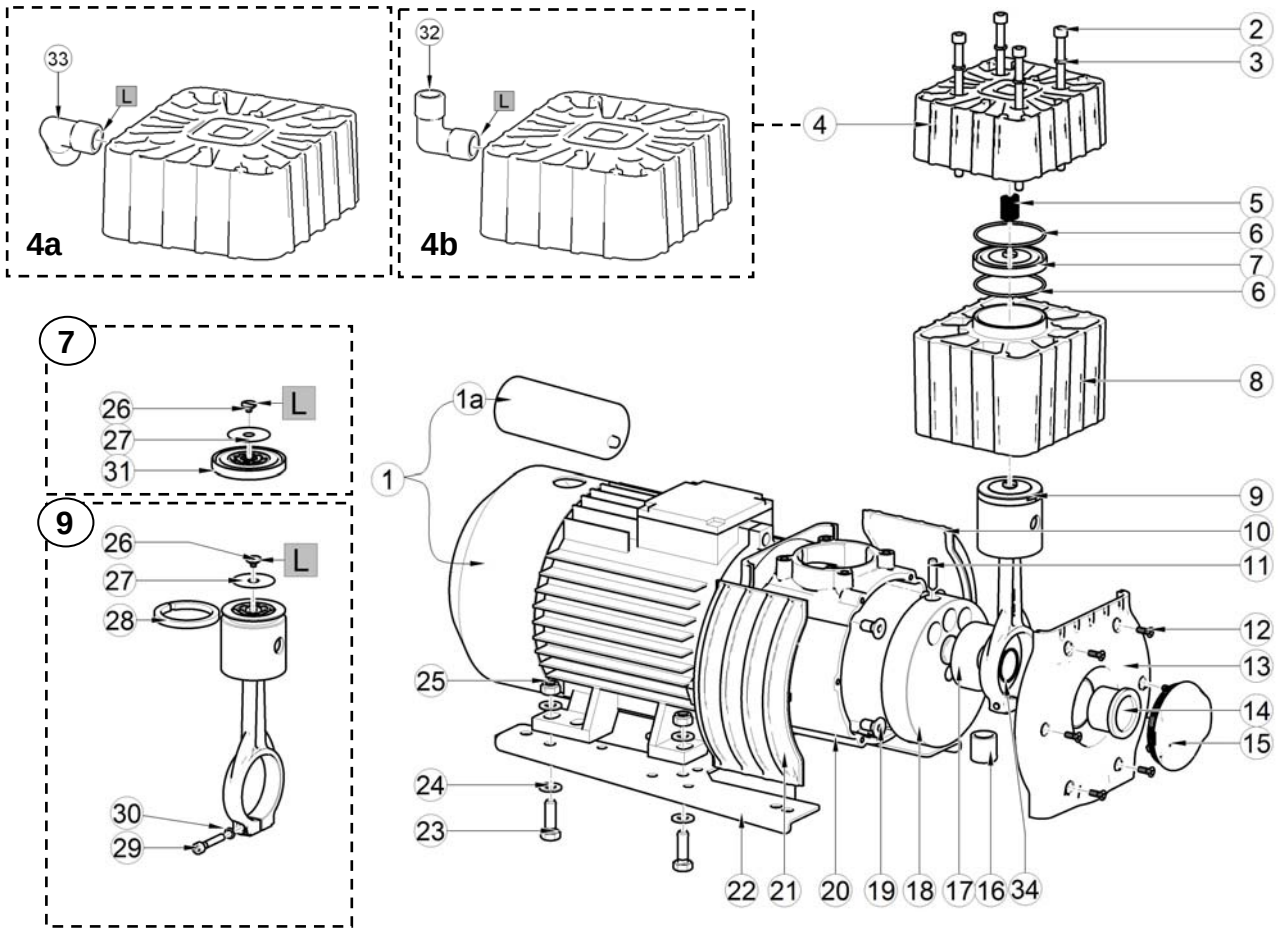


Notice

L - Bonded joints – adhesive LOCTITE 270

	For version without dryer	For version with dryer
A	**Air pump 230/50 1BA-509 601011511**-000	**Air pump 230/50 1BA-507 601011507**-000
	Air pump 230/60	**Air pump 230/60**
	Air pump 115/60	**Air pump 115/60**

1	Motor 230V/50-60Hz 1LF7096-4AJ97-ZN52		035110008-000	16	Sealing liner	4KB-892	074000065-000
1a	Capacitor 230V/50-60Hz 30 MF		031330003-000	17	Bearing	6304	021000026-000
1	Motor 110V/60Hz 1LF7096-4AJ97-ZN53		035110015-000	18	Crank	4CA-195	604021195-000
1a	Capacitor 110V/60Hz 2x60 MF		031330010-000	19	Screw	M8x16	041000051-000
2	Screw	M6x110	041000045-000	20	Crank case	3KB-834	050000033-000
3	Washer	6	043000007-000	21	Side left	3KB-912	062000346-000
4	Cylinder head complete			22	Motor holder	3KC-417	023000776-000
4a	Compressor with dryer	4CA-247	604021247-000	23	Screw	M8x25	041000511-000
4b	Compressor without dryer	4CA-208	604021208-000	24	Washer	8.IV	043000009-000
5	Spring		022000010-000	25	Nut	M8	042000006-000
6	O - ring	d50x2	073000109-000	26	Membrane screw	4KA-016.1	024000007-000
7	Valve plate	4CA-023	604021023-000	27	Membrane	4KA-031.1	024000008-000
8	Cylinder	4KB-832	050000036-000	28	Piston ring el.		069000123-000
9	Piston with piston rod	4CA-194	604021194-000	29	Screw		041000036-000
10	Side right	3KB-911	062000345-000	30	Washer		043000005-000
11	Screw	M6x25	041000115-000	31	Membrane seat	3KA-015	024000006-000
12	Screw	M4x10	041000110-000	32	Fitting	G3/8MM	025400119-000
13	Crank case cap	4KB-835	050000034-000	33	Fitting	G3/8MM	025400119-000
14	Filter element	03	025200126-000	34	Retaining ring		024001920-000
15	Suction plug	3KB-893	074000064-000				

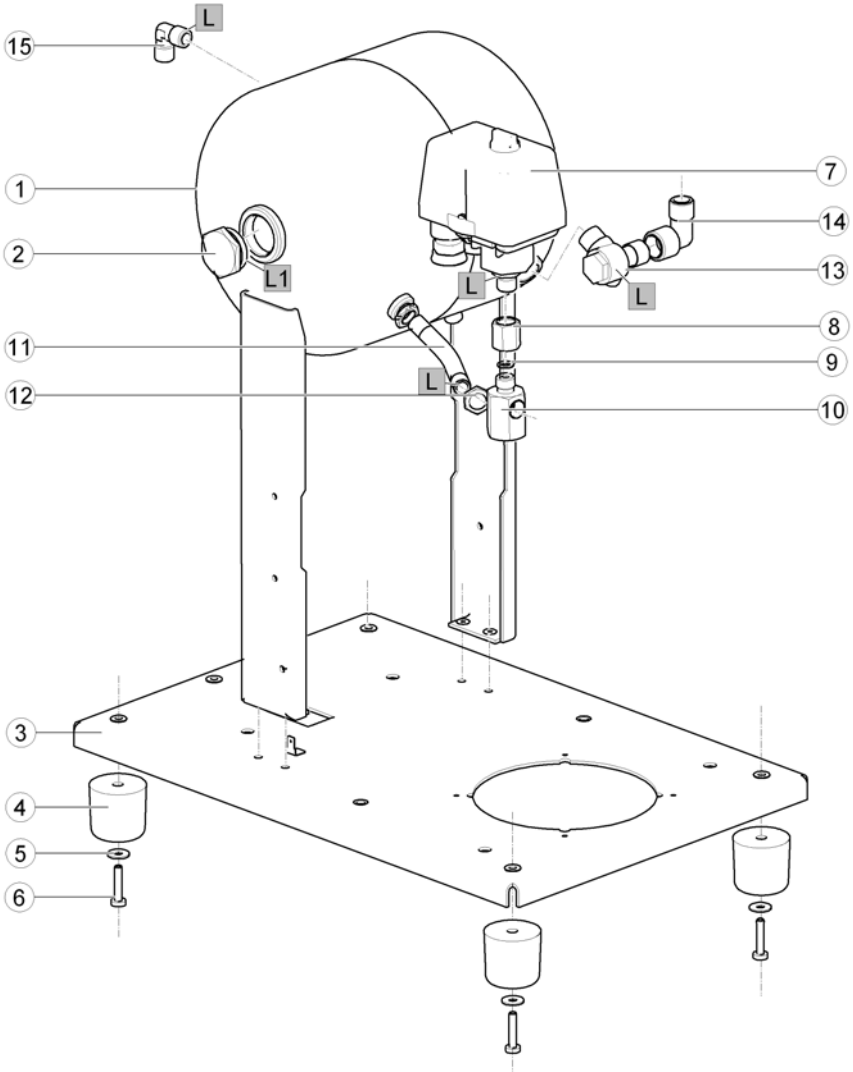


Notice:

L - Bonded joints – adhesive LOCTITE 620

B	**Airtank complete 5L**	**2BA-520**	**602011520-000**	**(pre K)**
	Airtank complete 10L	**2BA-518**	**602011518-000**	**(pre K1)**

1	Air tank 5l	2CA-219	602021219-000	10	Fitting block to press.switch		024000101-000
	Air tank 10l	2CA-213	602021213-000	11	Pressure switch pipe		024000357-000
2	Plug	4KA-953	024000247-000	12	Securing Nut		024000162-000
3	Base plate 5l	3KB-954	023000567-000	13	Non-return valve		025300007-000
	Base plate 10l	3KB-909	023000534-000	14	Fitting	MF3/8	025400034-000
4	Rubber leg		074000010-000	15	Fitting 1/4		024000311-000
5	Washer	5,3	043000101-000				
6	Screw	M5x25	041000208-000				
7	Pressure switch		604031061-000				
8	Nut		024000027-000				
9	Gasket CU		025900004-000				

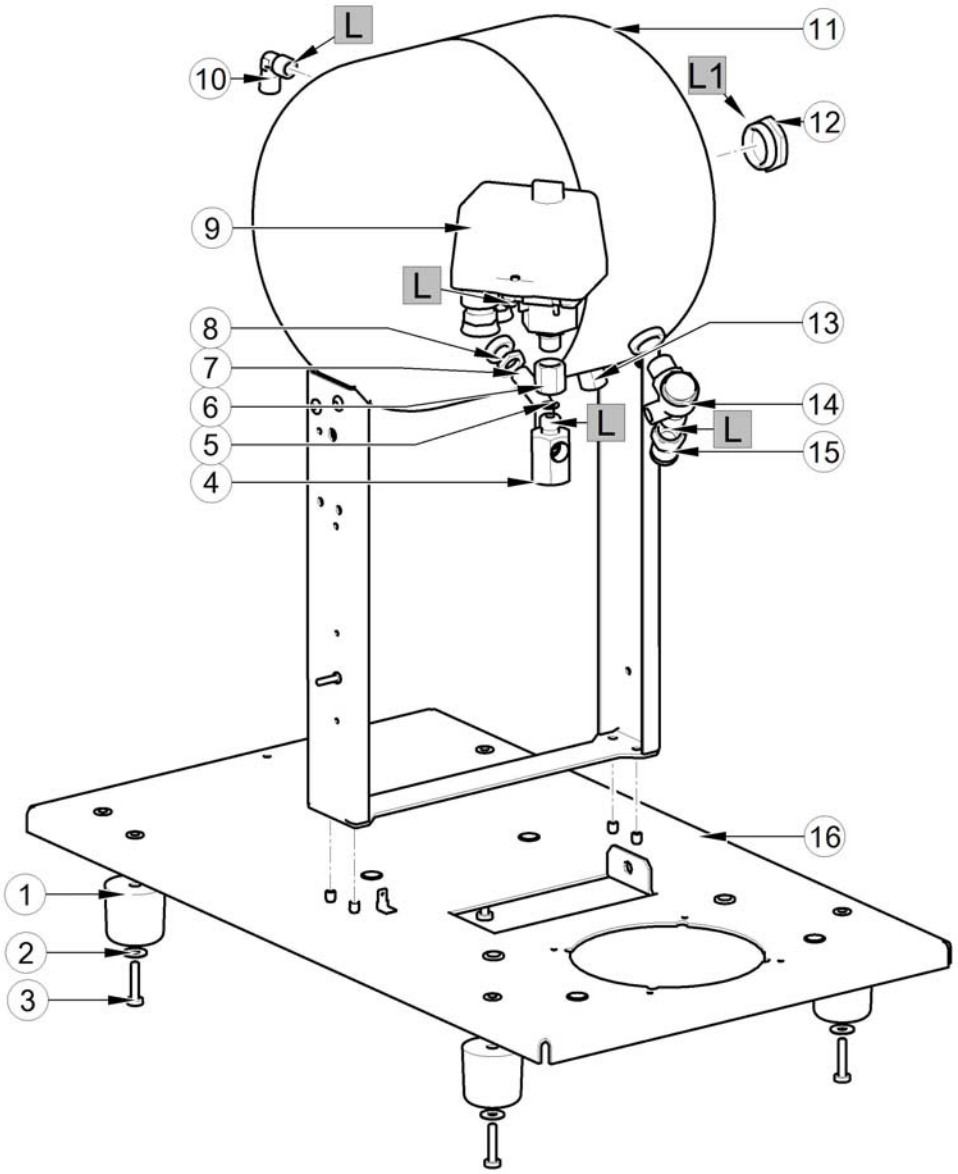


Notice:

Bonded joints **L** – adhesive LOCTITE 270 **L1** – adhesive LOCTITE 243

B	**Airtank complete 10L/M 602012174**-000 **(pre K2)**

1	Rubber leg		074000010-000	10	Fitting		025400060-000
2	Washer	5,3	043000101-000	11	Air tank 10l	4CA-254	604021254-000
3	Screw	M5x25	041000208-000	12	Plug	4KA-953	024000247-000
4	Fitting block to press.switch		024000101-000	13	Plug		024000844-000
5	Gasket CU		025900004-000	14	Non-return valve		025300007-000
6	Nut		024000027-000	15	Fast-on coupling		025500247-000
7	Pressure switch pipe		024000357-000	16	Base plate 10l	3KC-116	023000640-000
8	Securing Nut		024000162-000				
9	Pressure switch		604031061-000				



Notice:

Bonded joints **L** – adhesive LOCTITE 270 **L1** – adhesive LOCTITE 243