stomdevice

DK50

Kompakt 5/10



SERVICE MANUAL

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

CONTENTS

DESCRIPTION OF PRODUCT **3**
1. USAGE ACCORDING TO ASSIGNATION 3
2. TECHNICAL DATA 3
3. CONDITIONS FOR USAGE 3
4. DESCRIPTION OF THE FUNCTION: 4

INSTALLATION **7**
5. PLACING OF COMPRESSOR 7
6. PUTTING INTO OPERATION 7
7. WIRING DIAGRAMS 8

MAINTENANCE **9**
8. MAINTENANCE INTERVAL 9
9. CONDENSATE DRAIN DOWN 9
10. CONTROL OF SAFETY VALVE 9
11. REPLACEMENT OF INPUT FILTER 9
12. REPLACEMENT OF FILTER IN AIR DRYER 10
13. REPLACEMENT OF FILTER IN CONDENSATION AND FILTRATION UNIT 10
14. TROUBLESHOOTING 10

SPARE PARTS **11**

Edition 3

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

DESCRIPTION OF PRODUCT

1. USAGE ACCORDING TO ASSIGNATION

Dental compressors DK50 Z and DK50-10 Z - with base that allows autonomous setting of the compressor in a space.
Dental compressors DK50 Z/K and DK 50-10 Z/K - with base and equipped by condensation and filtration unit (KJF1).
Dental compressors DK50-10 Z / M - with base and equipped by adsorption air dryer.

Dental compressors DK50 S and DK50-10 S - in compact boxes with efficient suppression of noise, suitable for placing in doctor's office.
Dental compressors DK50 S/K and DK50-10 S/K - in compact boxes and equipped by condensation and filtration unit (KJF1).
Dental compressors DK50-10 S/M - in compact boxes and equipped by adsorption air dryer.

2. TECHNICAL DATA

- Compressor efficiency at over-pressure 0,5 MPa.: 75 l min^{-1} ± 10%
- Air tank filling time from 0 to 0,6 MPa:
  DK50 Z (S) max. 25 s
  DK50-10 Z (S) max. 45 s
  DK50-10 Z/M (S) max. 55 s
- Nominal voltage (frequency) / current:
  230 V ±10 % (50 Hz) / 3,4 A
  230 V ±10 % (60 Hz) / 4,3 A (at over-pressure 6bar)
  110 V (60 Hz) / 8,6 A (with dryer + 0,2A)
- Working pressure of compressor: 0,45 - 0,6 MPa ± 10%
- Safety valve - opening pressure: 0,8 MPa
- Operation mode:
  DK50 S, DK 50-10 S continual S1
  DK50 Z, DK 50-10 Z continual S1
  DK50-10 Z/M, DK50-10 S/M intermittent S3 - 50 %
- Capacity of air tank: DK50 5 lit. DK50-10 10 lit.
- Weight of compressor:
  DK50 Z 34 kg DK50-10 Z 36 kg
  DK50 S 46 kg DK50-10 S 49 kg
  DK50-10 Z/M 47 kg
  DK50-10 S/M 64 kg
- Dimensions: w x l x h (mm)
  DK50 Z 290x430x490 DK50-10 Z 330x430x530
  DK50 S 380x525x575 DK50-10 S 420x525x620
  DK50-10 Z/M 330x580x570
  DK50-10 S/M 420x675x620
- Compressor is made as the equipment of B type in I. category in accordance with standard STN EN 60 601-1.

3. CONDITIONS FOR USAGE

- Appliance can be installed and operated only in dry, well ventilated and dust-free areas, where ambient temperature is within the range of +5°C to +40°C and relative air humidity does not exceed 70% and absolute humidity below 15g/m3. Compressor must be installed so that it was well accessible for operating and maintenance and so that appliance label was accessible.
- Appliance must stand on flat, sufficiently stable base (take care after the weight of compressor, see paragraph 2. Technical data)
- Compressors cannot be exposed to outdoor environment. The appliance cannot be in operation in moist or wet environment. It is forbidden to use the equipment in the premises with presence of explosive gases, dust or combustible liquids.
- Before installing the compressor into the medical equipment, the supplier shall assess what medium – air, made available, would suit the requirements of the given purpose of usage. Respect technical data of the product for this purpose. At building-in, classification and evaluation of compliance must be performed by manufacturer – supplier of final product.
- Any other usage or usage over the given range is not considered to be the usage according to assignation. Manufacturer is not liable for damages implied from this. The risk is born only by operator / user.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

4. DESCRIPTION OF THE FUNCTION:

Compressor (Fig.1)
Aggregate of compressor (1) sucks in the free air through a line filter (8) and compresses it through a reverse valve (3) into an air tank (2). The apparatus draws the compressed air from the air nozzle, whereby the pressure drops to closing pressure set on the air-pressure switch (4), at which the compressor is switched on. The compressor again compresses the air into the air nozzle up to the value of cutoff pressure when the compressor is switched off. The safety valve (5) prevents the pressure excess in the air nozzle to above max. of 8 bars. The release valve (7) releases the condensate from the air nozzle. Such compressed and clean air free from oil traces is in air chamber ready for further usage.

Compressor with dryer (Fig.2 , Fig.3)
Aggregate of compressor (1) sucks in the free air through a line filter (8) and it is delivered into the air dryer in compressed form. The air proceeds through the cooler (15) through the dryer chamber (9) with adsorption apparatus (16), where the humidity is captured through a built-in filter (17) and reverse valve (3) as dried and clean air into the air tank (2). The adsorption apparatus is automatically regenerated in the regeneration cycle after each compressor switching off by the air-pressure switch. The adsorption chamber is depressurized through an open solenoid valve (14) at its simultaneous blowing-through with dried air. The adsorption apparatus is regenerated and the captured water from the chamber is displaced through the valve out. Compressed, dry and clean air free from oil traces is in air chamber ready for further usage.

Additional dryer regeneration (without case)
At a regular compressor operation with dryer, it is necessary to regenerate additionally the drying unit twice a month by opening the valve for additional regeneration (19) for a period of around 8 hours. During this time, the dryer filling shall regenerate constrainedly, whereby its high efficiency shall be provided for during the entire dryer lifetime. After the time of compulsory regeneration it is necessary to close the regeneration valve.

Additional dryer regeneration in a case (Fig.3)
For the compressor with a dryer MONZUN M1.10 in a case, the valve operation for regeneration (19) is led out through a flexible spindle to the front panel of the case. At regular compressor operation with dryer it is necessary to additionally regenerate the dryer unit twice a month by opening the valve for additional regeneration – by turning the button (21) from position "0" to the position "I" to the left (counter-clockwise) for a period of around 8 hours. After the time of compulsory regeneration it is necessary to close the regeneration valve by turning the button from position "I" to the position "0" (clockwise).

Compressor with condensation and filtration unit (Fig.4)
Aggregate of compressor (1) sucks in the free air through a line filter (8) and compresses it through a reverse valve (3) into an air tank (2). The compressed air from the air nozzle is led through cooler (10), which cools the compressed air; it captures the condensed humidity in the filter (11) and automatically separates as a condensate (12). Compressed, dried and clean air free from oil traces is ready for further usage.

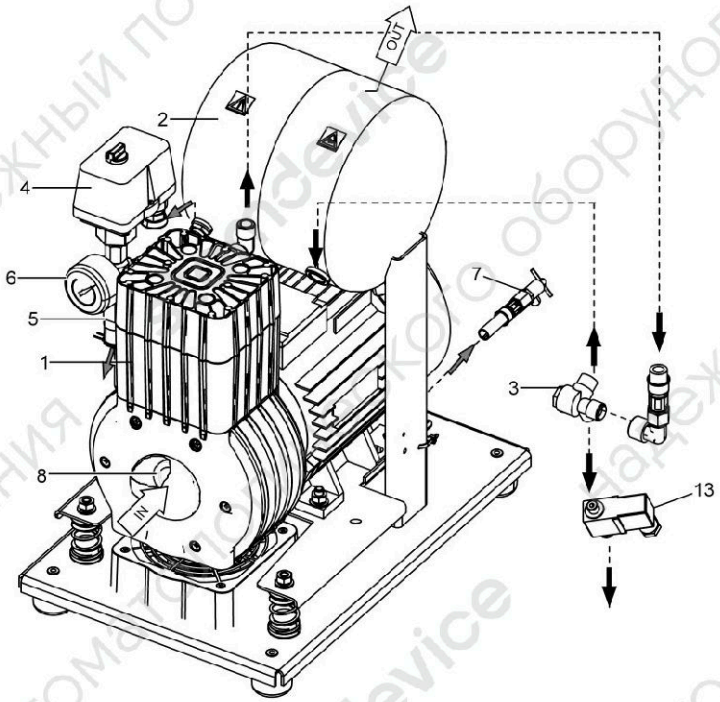
Compressor box
Box ensures compact coverage of compressor and thus noise is effectively suppressed and at the same time a sufficient exchange of cooling air is ensured. Thanks to its design, it is suitable for placing in doctor's office as a part of furniture. The fan blower under the compressor aggregate provides for compressor cooling. After a longer compressor activity the temperature in the case may increase above 40°C, when the cooling fan blower automatically turns on. After cooling the case area under around 32°C, the fan blower turns off automatically. The fan blower is also under operation together with the compressor engine.

⚠ **It is forbidden to create obstacles for entering of cooling air into the case** (on the periphery of the case bottom part) **and for the hot air outlet in the upper back part of the case.**

⚠ **In the case of placing the compressor onto a soft floor, such as carpet, it is necessary to create a spacing between base and floor or box and floor, e.g. underlay the footings with hard pads., due to the provision of good compressor cooling.**

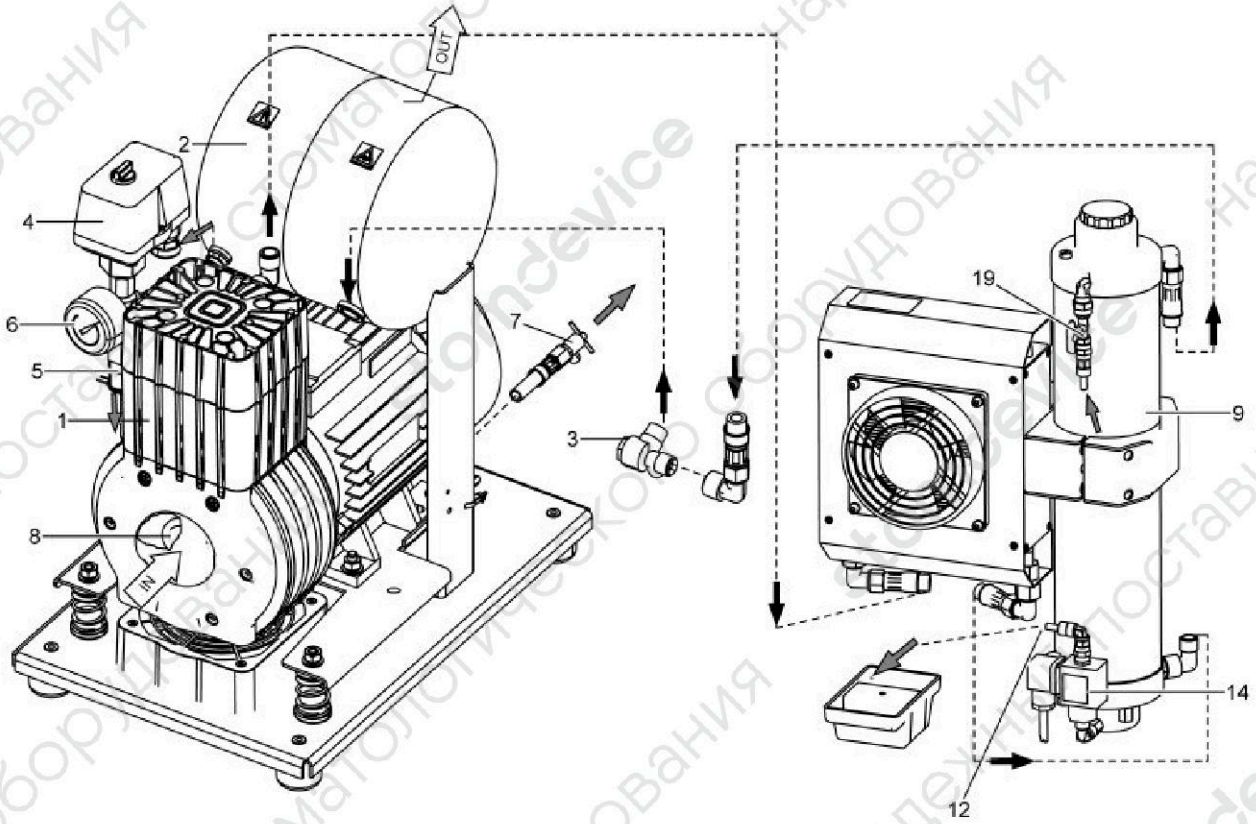
https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

Fig.1 – Compressor



1. Aggregate of compressor
2. Air tank
3. Check valve
4. Pressure switch
5. Safety valve
6. Manometer
7. Release valve
8. Input filter
9. Dryer chamber
10. Pipe cooler
11. Filter
12. Condensed outlet
13. Solenoid valve
14. Solenoid valve of dryer
15. Cooler
16. Adsorber
17. Filter
18. Sieve
19. Valve for regeneration
20. Stopper
21. Button for valve of regeneration

Fig. 2 - Compressor with air dryer MONZUN-M1.10



https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

Fig. 3 - Dryer MONZUN-M1.10 - Box

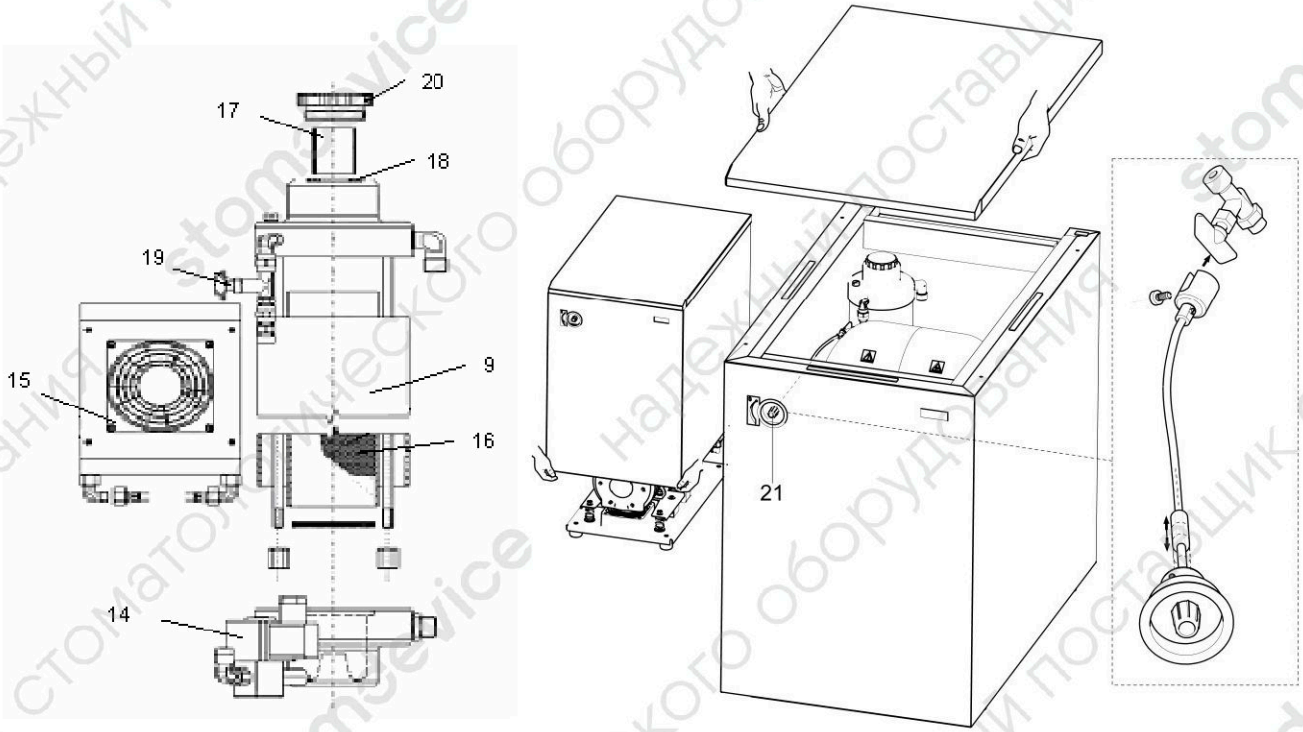
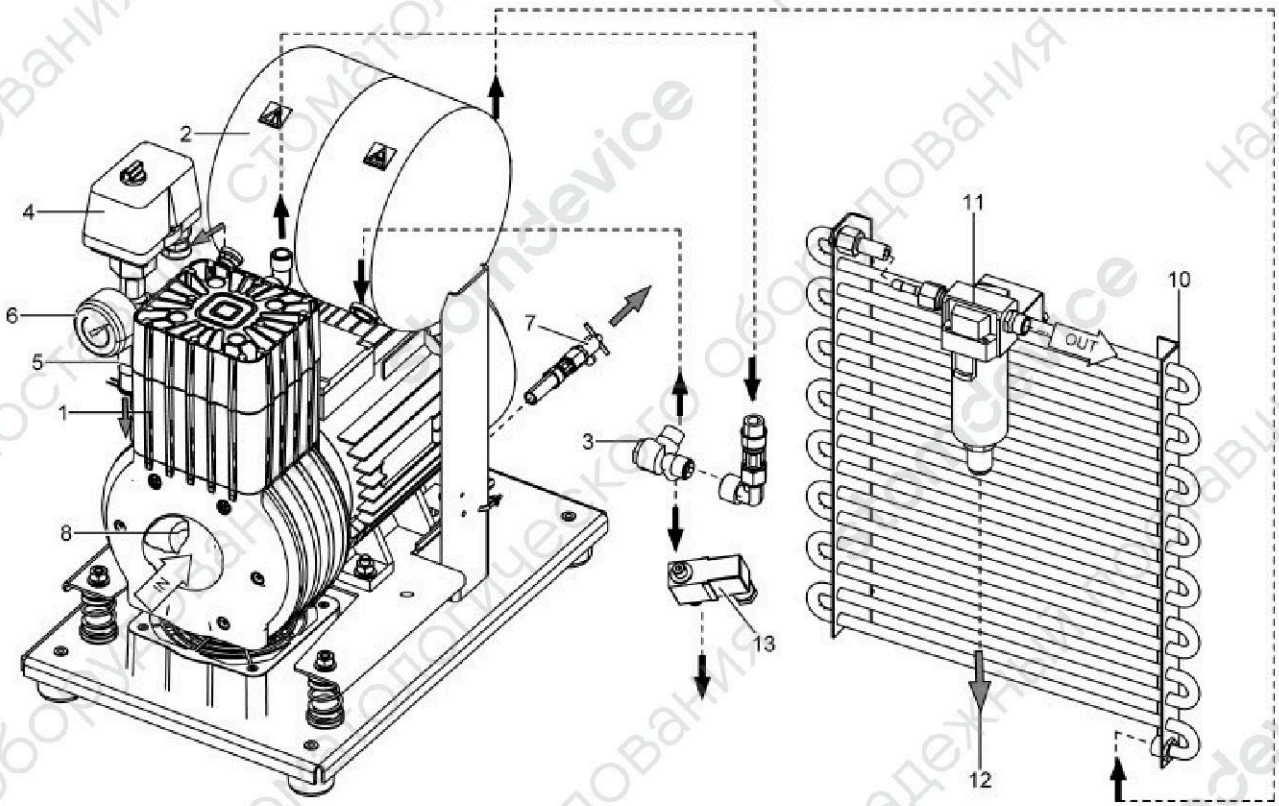


Fig. 4 - Compressor with condensation and filtration unit KJF1



https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

INSTALLATION

Prior first putting into operation, all fixings serving for the fixation of the device during transportation must be removed, else there would be a risk of damage to the product.

During the operation of compressor, parts of the aggregate can be heated to temperatures dangerous for contact with operating staff or material. Danger of fire! Caution, hot air!

5. PLACING OF COMPRESSOR

Handling

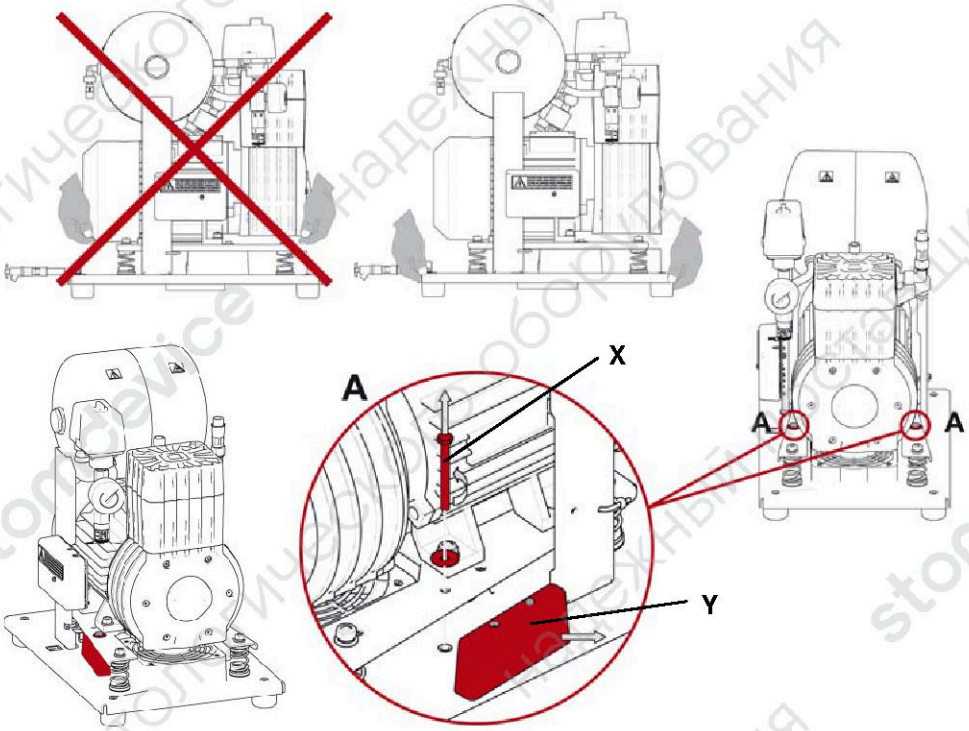


Fig.5 Unfixation

Dental compressor with a base DK50 Z, DK50-10 Z, DK50-10 Z/M (Fig.5)
Place the product after unpacking from the package with the base to the floor of the room, release it from all packaging material and remove fixation parts (X,Y)- detail A.

Dental compressor in a box DK50 S, DK50-10 S
Place the product after unpacking from the package with the base to the floor of the room, release it from all packaging material and remove fixation parts (X,Y)- detail A. Direct output pressure hose, sludging hose and power cord in the back part of the compressor out of the compressor. Slide box from above to compressor so that front face is directed towards a front part of the compressor and box stuffing fixes the base at its circumference.

Dental compressor in a cabinet DK50-10 S/M (Fig.3)
From the top, put the housing on the compressor, connect the flexible shaft to the control button, fasten with the screw and cover the cabinet housing by the upper lid according to the picture.
Check whether pressure hose, sludging hose and electric cord are duly lead via rear opening at box. Grip sludging hose with sludging valve in a holder at the rear side of a box.

6. PUTTING INTO OPERATION

Connect the network rope fork into the network plug.
Appliance is delivered with plug with protective contact. It is necessary to respect local electrotechnical regulations. Mains voltage and frequency must comply with the data stated at appliance label.

Switching the compressor on (Fig.6)
Compressor switch on at pressure switch by turning the shift (3) to position "I" , compressor starts to work and pressurize air to air chamber.At the compressed air consumption the pressure in the air nozzle drops to the closing pressure, the compressor in put into operation and the air nozzle is filled with compressed air.

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

After reaching the cutoff pressure the compressor turns off automatically. After releasing – pressure decreasing in the air nozzle and reaching the closing pressure, the compressor is again put into operation. Check this value of pressure at manometer (5). Setting of switching or switching-off pressure can vary within the range of i ±10%. Air pressure in air chamber must not exceed maximal permitted operation pressure. After a longer compressor activity the temperature in the case increase above 40°C, when the cooling fan blower automatically turns on. After cooling the case area (in the ambient of compressor) under around 32°C, the fan blower turns off automatically. The fan blower is also under operation together with the compressor engine.

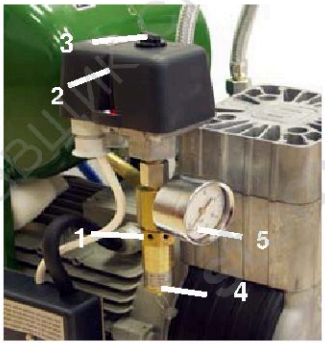
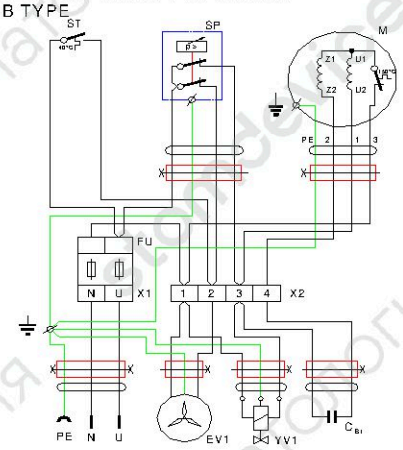


Fig.6

It is not allowed to tamper and change pressure limits of pressure switch at compressor Pressure switch (2) was adjusted by manufacturer.

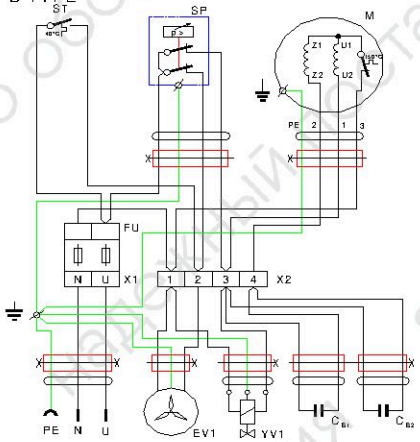
7. WIRING DIAGRAMS

DK50 Z, DK50-10Z, DK50 S, DK50-10S
1/N/PE ~ 230 V 50..60 Hz
ELECTRIC OBJECT OF 1st CAT.
B TYPE



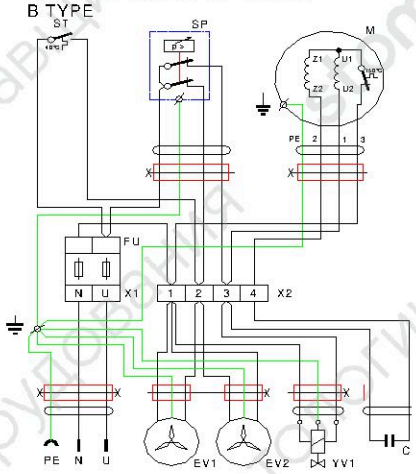
ST	Thermo switch	YV1	Solenoid valve
SP	Pressure switch	Cb1	Capacitor
M	Motor of compressor	FU	Fuses , T10A
EV1	Fan of compressor	X1, X2	Terminal

DK50 Z, DK50-10Z, DK50 S, DK50-10S
1/N/PE ~ 115 V 60 Hz
ELECTRIC OBJECT OF 1st CAT.
B TYPE



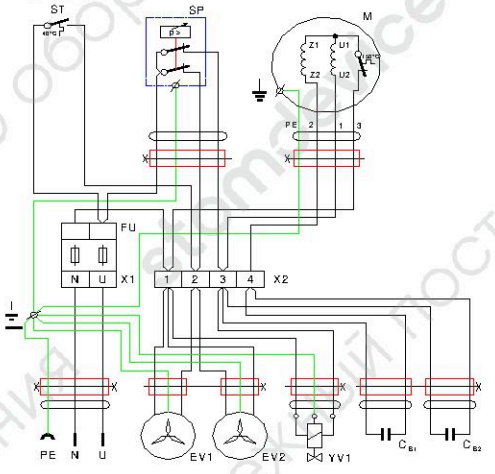
ST	Thermo switch	YV1	Solenoid valve
SP	Pressure switch	Cb1, Cb2	Capacitor
M	Motor of compressor	FU	Fuses,T16A
EV1	Fan of compressor	X1, X2	Terminal

DK50-10Z/M, DK50-10S/M
1/N/PE ~ 230 V 50..60 Hz
ELECTRIC OBJECT OF 1st CAT.
B TYPE



ST	Thermo switch	YV1	Solenoid valve
SP	Pressure switch	Cb1	Capacitor
M	Motor of compressor	FU	Fuses,T10A
EV1	Fan of compressor	X1, X2	Terminal
EV2	Fan of dryer		

DK50-10Z/M, DK50-10S/M
1/N/PE ~ 115 V 60 Hz
ELECTRIC OBJECT OF 1st CAT.
B TYPE



ST	Thermo switch	YV1	Solenoid valve
SP	Pressure switch	Cb1, Cb2	Capacitor
M	Motor of compressor	FU	Fuses,T16A
EV1	Fan of compressor	X1, X2	Terminal
EV2	Fan of dryer		

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

MAINTENANCE

Prior every work at maintenance or repair, switch off the compressor and disconnect it from mains.

8. MAINTENANCE INTERVAL

Maintenance that must be performed	Chapter	Time interval	Performed by
• Release condensate			
Compressor without air drier	9	1 x week	operating staff
At high air humidity		1 x day	operating staff
Compressors with air drier		1 x week, control the function	operating staff
Compressors with condensation unit :			
- from filter		1 x week, control the function	operating staff
- from pressure vessel		1 x week	operating staff
• Control safety valve	10	1 x year	qualified expert
• Replacement of input filter	11	1 x of 2 years	qualified expert
• Replacement of filter and checking of the filling in drier	12	1 x year	qualified expert
• Replacement of filter in condensation unit	13	1 x year	qualified expert
• Control of tightness of joints and control examination of device	Service documentation	1 x year	qualified expert

In order to find out correct work of compressor, it is necessary, in certain intervals (Chapter 8) to perform the following activities:

9. CONDENSATE DRAIN DOWN

Compressors (Fig.7)
In the case of operation, it is recommended to release condensate from pressure tank 1 x week (at high air humidity 1 x day).
Switch off the compressor from mains and reduce air pressure in the device to pressure of max. 1 bar, for example by releasing air via connected device. Canalize hose with sludging valve to vessel prepared in advance. By opening the release valve (1) release condensate from tank. Wait till condensate is fully delivered from pressure tank.Again close release valve (1).

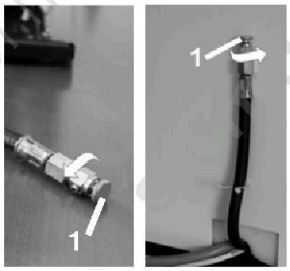


Fig.7

Compressors with condensation and filtration unit. (Fig.10)
In the case of operation, condensate is automatically released via release valve of condensation unit filter. Perform the control of the function of automatic sludging as follows: Open valve (4) of sludging vessel (2) by unscrewing to left, release small amount of condensate from the vessel. Close valve (4) again by screwing to right, thus automatic mode of sludging is adjusted.
Compressors with air dryer
In the case of operation, condensate is automatically released via outlet solenoid valve of air dryer.

10. CONTROL OF SAFETY VALVE

Safety valve must not be used for depressurizing of pressure tank. It could endanger the function of safety valve. It is adjusted to permitted maximal pressure by manufacturer, it is tested and marked. It must not be readjusted.

Warning ! Compressed air may be dangerous. You may have to protect your sight when blowing air out. Its impediment may occur.

(Fig.6)
At the compressor is put into operation for the first time, it is necessary to control correct function of safety valve. Turn screw (4) of safety valve (1) several rotations to left till safety valve blows out. Let safety valve blow out only for a short time period. Turn screw (1) to right till backstop, valve must be closed now again. During this control, pressure tank must be under pressure of max. 6 bars.

11. REPLACEMENT OF INPUT FILTER

(Fig.8)
It is necessary to exchange the filter insert every two years (1), located in the lid of the compressor engine case.
• Take out rubber plug by hand (2). Take out dirty filter insert take out. Put inside a new filter insert and cover it with rubber plug



Fig.8

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

12. REPLACEMENT OF FILTER IN AIR DRYER

(Fig.9)
Replace filtration pad in the upper part of drying box once a year.

- Remove the dryer plug (1) by unscrewing to the left on the body(4).
- Change the filter (2).
- Put a plug to the body (4) and tighten it to right.

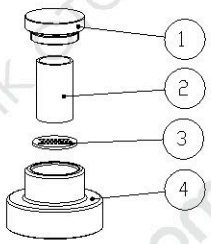


Fig.9

13. REPLACEMENT OF FILTER IN CONDENSATION AND FILTRATION UNIT

(Fig.10)
In the case of a regular operation of condensation unit, it is necessary to replace filtration pad in filter with automatic sludge drain once a year.

- Loosen fuse (1) at filter by pulling it down and turn the cover of filter (2) to left and pull it out.
- Unscrew filtration pad (3) by turning it to left.
- Replace filtration pad and screw the new one by turning to right back to the body of filter.
- Put on the cover of filter and secure it by turning to right till safety pin locks.

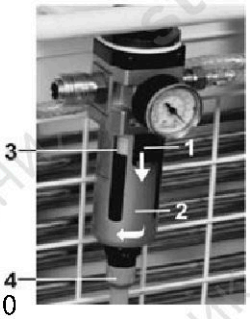


Fig.10

14. TROUBLESHOOTING

Manufacturer reserves the right to make changes on the appliance that however will have no impact on substantial characteristics of the appliance.

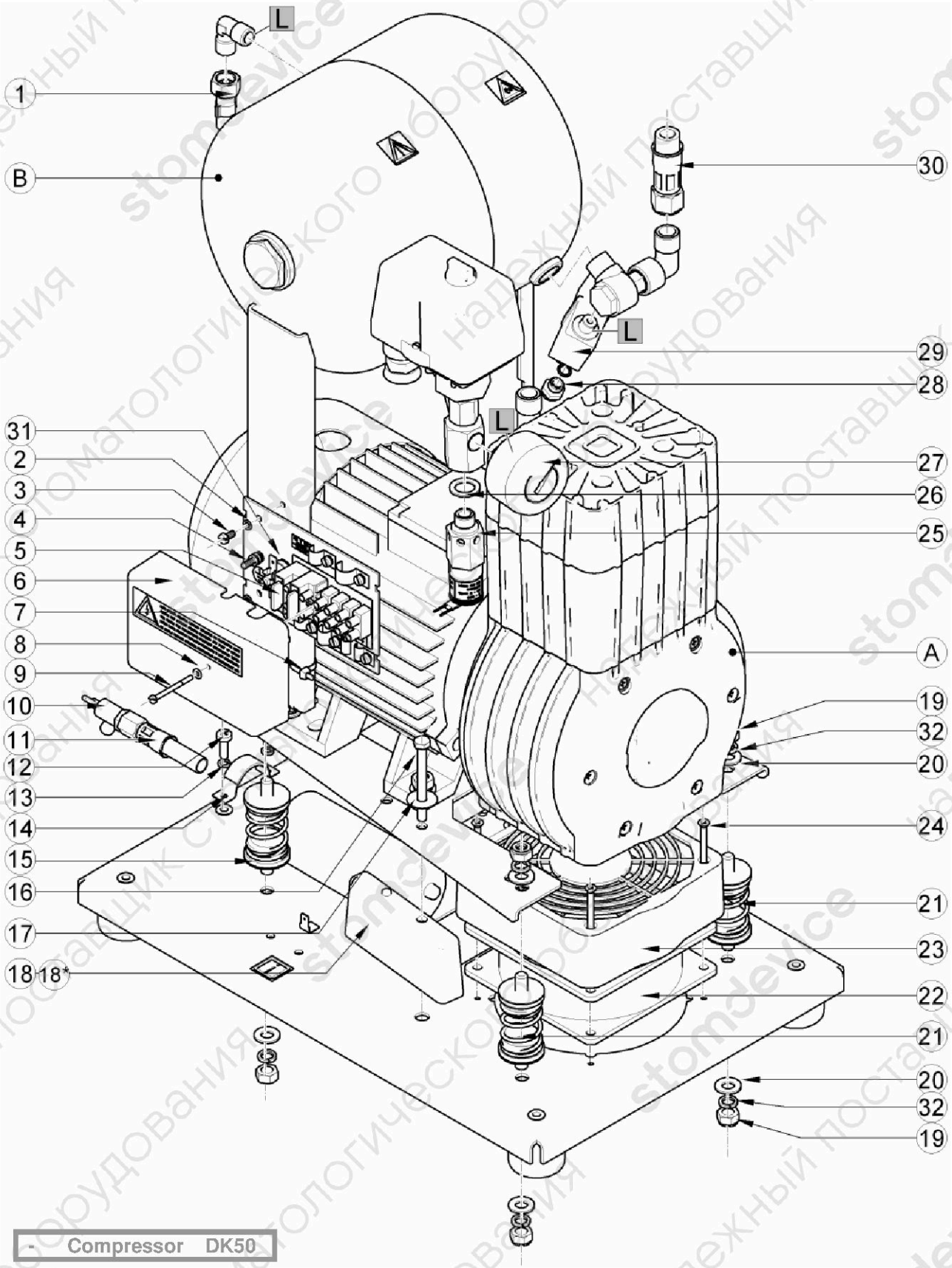
Prior the intervention to the appliance, it is necessary to reduce air pressure in air chamber to zero and disconnect the appliance from mains.

Activities regarding troubleshooting can be performed only by qualified service expert.

Fault	Symptom and possible causes	Repair
Compressor does not start	a/ No power supply b/ Power supply is interrupted - flexible cord is cut off - loose clip - motor winding is cut off - thermal protection is damaged - check clips and pressure switch function - damaged solenoid. valve c/ High current consumption - check capacitors - difficult mechanical run, piston crash - damaged winding of a motor	a/ check fuses, replace damaged ones b/ - replace damaged part - tighten clips - replace el. motor - replace el. motor - tighten clips or replace pressure switch - Replace solenoid. valve c/ - replace damaged capacitor - replace damaged piston and/or cylinder - replace motor
Compressor often switches on without air consumption	a/ Air section leakage b/ Compressor leakage	a/ check connections, seal leaking ones b/ check connections by e.g. soap water, seal leaking ones, replace damaged „O"-ring, test, dismount and clean return valve
Compressor is noisy	a/ Knocking or other metal sounds - bearing is damaged - Loosen (cracked) crush element (spring)	a/ - replace damaged bearing - put loose spring back, replace damaged one
Efficiency is decreased, work cycle of compressor is extended	a/ polluted suction filter element b/ low unit performance - gasket between head, cylinder and valve plate damaged	a/ replace element b/ replace worn-out piston rings - replace gasket, tighten head

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

SPARE PARTS

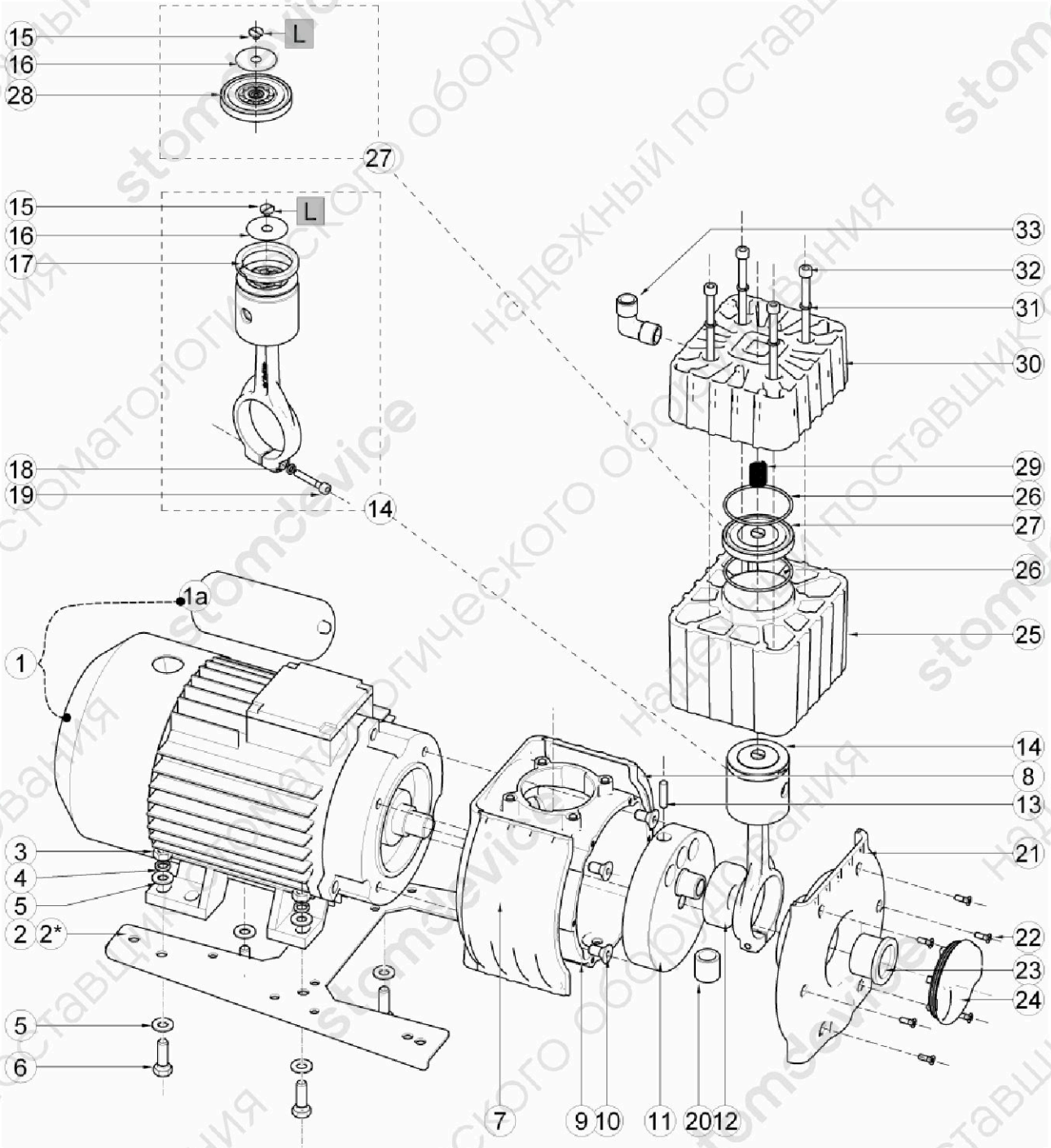


- Compressor DK50

L - Bonded joints – adhesive LOCTITE 270

18* - valid till ser.num. – E-4725-09-08

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

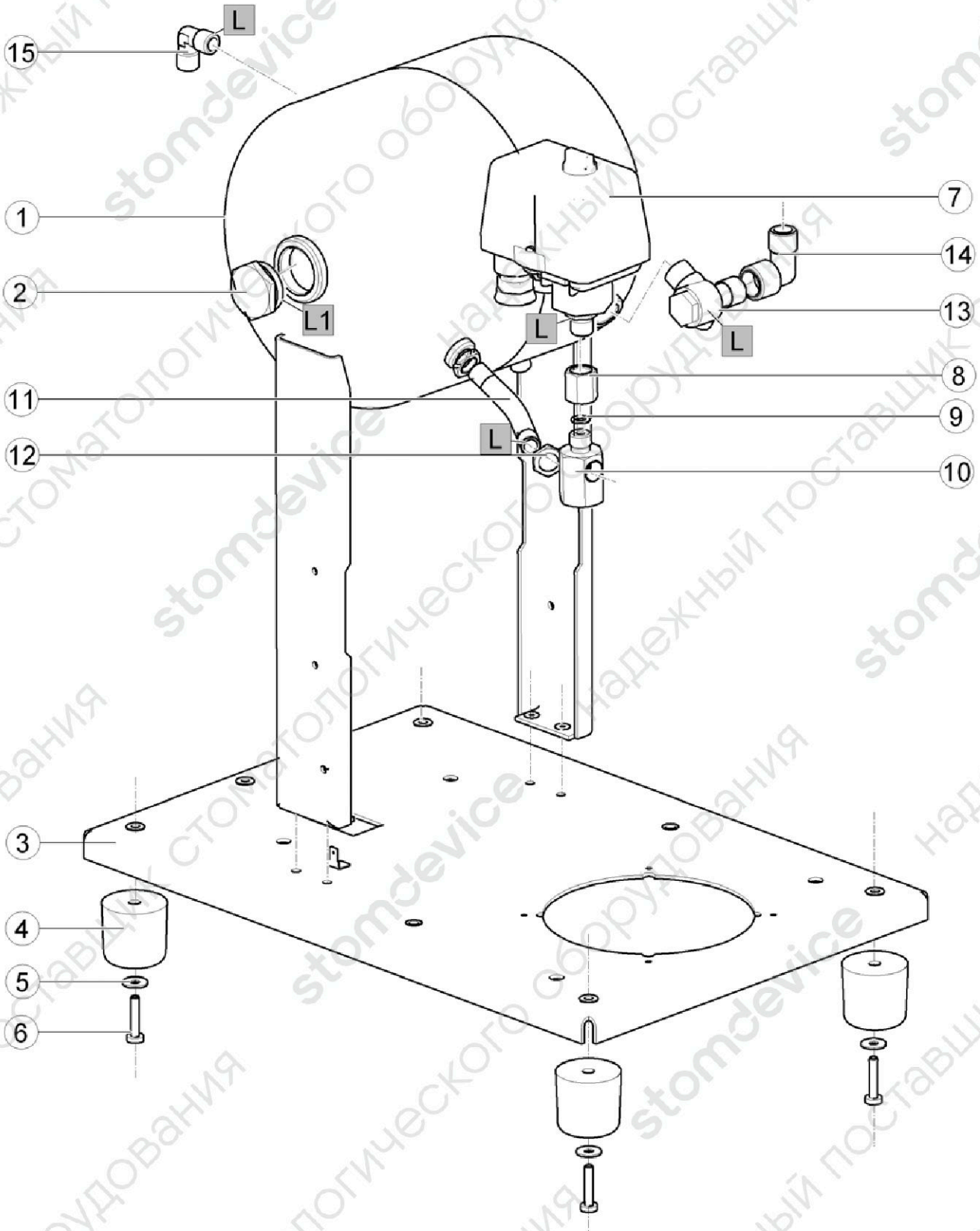


A	Aggregate	DK50

L - Bonded joints – adhesive LOCTITE 620

2* - valid till ser.num. - E-4725-09-08

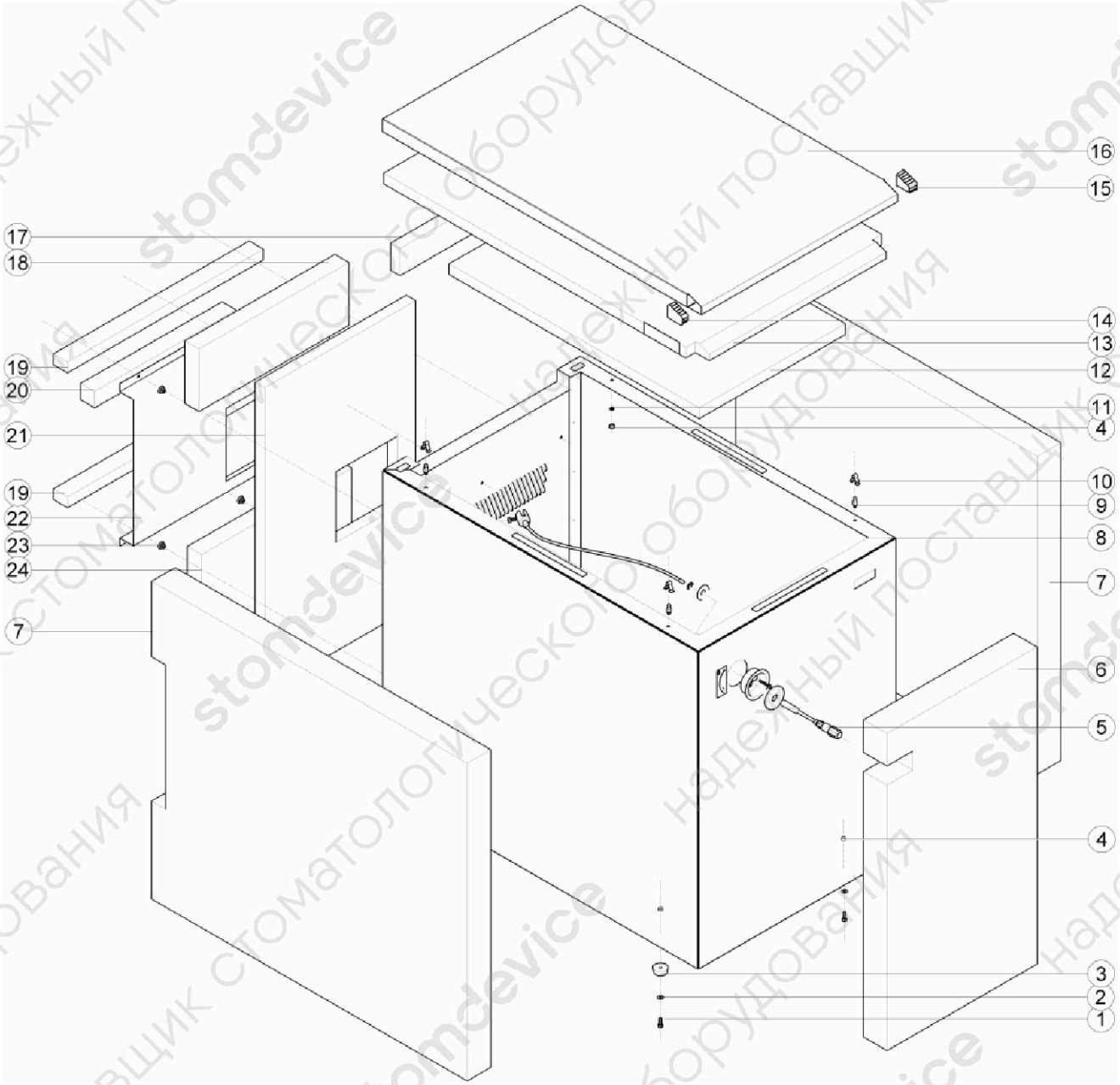
https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ



B Air tank complete

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

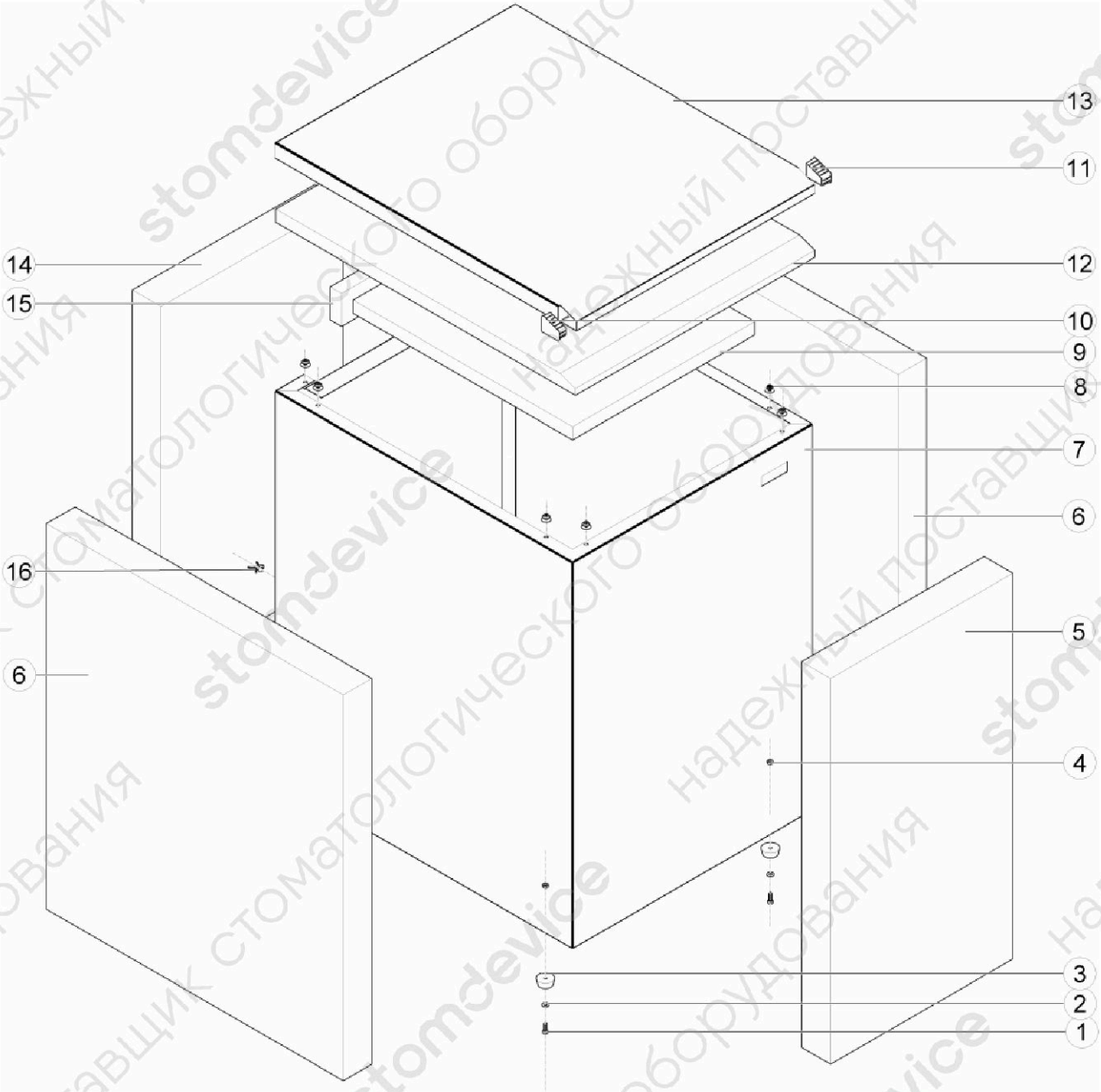
https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ



C	Box	DK50-10 / M

- Noise insulatation pad to bond with adhesive SABA Foamspray

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ



D - E Box (5L) - (10L)

- Noise insulatation pad to bond with adhesive SABA Foamspray

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

- **DK50Z(S)** - (5l)
- **DK50-10Z(S)** - (10l)

1	Hose output	4BA-013	604011013
	-Hose 5000		062000117
	-Clamper		049000010
	-Tapered element 6	4KB-062	024000122
	-Nut	4KB-063	024000118
2	Washer D4,1		043000003
3	Screw M4x8		041000006
4	Electric board compl.	4CA-059	604021059
5	Fuse T 10A (230/50-60Hz)		038100005
	Fuse T 16A (110/50-60Hz)		038100007
6	Electric board housing	4KA-127.1	062000003
7	Tightening strap 140x3,6		069000024
8	Washer M3x35		043000015
9	Screw D3,2		041000004
10	Drain valve G ¼“		025300001
11	Drain hose		072000012
12	Screw M5x16		041000087
13	Washer flexible D5,1		043000005
14	Clip	4KA-192	023000112
	- Isolation pipe 110		034800131
15	Damping element S	4CA-215	604021215
16	Screw M6x60		041000503
17	Washer warning		062000366
18	Fixation element	3KC-424	062000447
18*	Fixation element		023000607
19	Nut M8		042000006
20	Washer D8,4		043000009
21	Damping element H	4CA-216	604021216
22	Fan 230V		035300006
	Fan 110V		035300005
23	Fan housing	3KB-914	062000347
24	Fan Screw M4x45		041000502
25	Safety valve	4BA-025	604011025
26	Gasket CU	4KA-078	025900003
27	Manometer 50 G ¼		025400003
28	Silencer G 1/8		025400018
29	Solenoid valve		036100022
30	Input hose D8x300		072000039
31	Thermo switch 40°C		033510004
32	Washer		043000017

A	**Aggregate DK50 230/50**	**1BA-511**	**601011511**
	Aggregate DK50 230/60	**1BA-567**	**601011567**
	Aggregate DK50 110/60	**1BA-568**	**601011568**
A1	Motor complete 230V/50-60Hz		035110008
	Motor complete 110V/60Hz		035110015
A1a	Condensator 30MF/450V(230V)		031330003
	Condensator 2x60 MF/450V(110V)		031330010
A2	Holder central	3KC-417	023000776
A2*	Holder central	3KB-996	023000579
A3	Nut M8		042000006
A4	Washer D8,2		043000017
A5	Washer D8,4		043000009
A6	Screw M8x25		041000511
A7	Side left	3KB-912	062000346
A8	Side right	3KB-911	062000345
A9	Crank case	3KB-834	050000033
A10	Screw M8x16		041000051
A11	Crank 50Hz	4CA-195	604021195
A12	Bearing 6304		021000026
A13	Screw M6x25		041000115
A14	Piston with piston rod	4CA-194	604021194
A15	Membrane screw	4KA-016.1	024000007
A16	Membrane	4KA-031.1	024000008
A17	Piston ring el.		069000123
A18	Washer flexible D5,1		043000005
A19	Socket screw M5x30		041000036
A20	Sealing liner	4KB-892	074000065
A21	Crank case cap	4KB-835	050000034
A22	Screw M4x10		041000110
A23	Filter element 03		025200126
A24	Suction plug	3KB-893	074000064
A25	Cylinder	4KB-832	050000036
A26	O-ring D50x2		073000109
A27	Valve plate	4CA-023	604021023
A28	Membrane seat	3KA-015	024000006
A29	Pressure spring	4KA-019C	022000010
A30	Cylinder head complete	4CA-208	604021208
A31	Washer flexible D6,1		043000007
A32	Screw M6x110		041000045
A33	Fitting G3/8MM		025400119

B	**Airtank complete - 5L**	**2BA-520**	**602011520**
	Airtank complete - 10L	**2BA-518**	**602011518**
B1	Air tank 5l	2CA-219	602021219
	Air tank 10l	2CA-213	602021213
B2	Plug M30x1,5	4KA-953	024000247
B3	Base plate 5l	3KB-954	023000567
	Base plate 10l	3KB-909	023000534
B4	Rubber leg	CM-2207	074000010
B5	Washer 5,3/15		043000101
B6	Screw M5x25		041000208
B7	Pressure switch	4DA-061	604031061
B8	Connecting Nut	4KA-103	024000027
B9	Gasket Cu	4KA-104	025900004
B10	Fitting block to press.switch	4KA-642	024000101
B11	Pressure switch pipe	4KA-765	024000357
B12	Securing nut M12	4KA-180	024000162
B13	Non-return valve		025300007
B14	Fitting MF 3/8		025400034
B15	Fitting ¼ modif.	4KB-066	024000311

C	**Box DK50-10 / M**	**3BA-557**	**603011557**
C1	Screw M4x12		041000007
C2	Washer 4.3		043000019
C3	Rubber leg		074000004
C4	Nut 4		042000002
C5	Valve control	3BA-558	603011558
C6	Noise insulatation pad	4KC-254	062000410
C7	Noise insulatation pad	64x58,4x5	061000260

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

C8	Lower case compl.	3CA-239	603021239
C9	Pin	M4	049000154
C10	Pin spring	M4	049000155
C11	Washer	4	043000003
C12	Noise insulatation pad	53x32x2	061000255
C13	Noise insulatation pad	4KC-259	062000413
C14	Capping strip left	4KC-125	062000399
C15	Capping strip right	4KB-983	062000400
C16	Upper plate	3KC-140	023000649
C17	Noise insulatation pad	31,8x5x2	061000256
C18	Noise insulatation pad	41,x11,5x3	061000259
C19	Noise insulatation pad	41,5x3x2	061000254
C20	Noise insulatation pad	30x3x3	061000258
C21	Noise insulatation pad	4KC-256	062000411
C22	Tunnel for ventilator	4KC-143	023000652
C23	Rivet		044000012
	- Washer	4.3	043000019
C24	Noise insulatation pad	4KC-257	062000412

E15	Noise insulatation pad	4KA-536	061000045
E16	Fastclip	656-111	033400013

*) – valid for older version

D	**Box**	**(5L) 3BA-014**	**603011014**
D1	Screw	M4x12	041000007
D2	Washer	4,3	043000019
D3	Rubber leg	CM 4144	074000004
D4	Nut	M4	042000002
D5	Noise insulatation pad	4KA-134	061000018
D6	Noise insulatation pad	4KA-136	061000056
D7	Lower case	2KA-133	023000259
D8	Rivet	4x9.5x12	044000012
	Washer	4,3	043000019
D9	Noise insulatation pad	4KA-137	061000057
C10	Capping strip left	4KC-125	062000399
C11	Capping stri right	4KB-983	062000400
D12	Noise insulatation pad	4KA-529	061000058
D13	Upper plate	3KA-203	023000128
D14	Noise insulatation pad	4KA-135	061000019
D15	Noise insulatation pad	4KA-198	061000025
D16	Fastclip	656-111	033400013

E	**Box**	**(10L) 3BA-115**	**603011115**
E1	Screw	M4x12	041000007
E2	Washer	4,3	043000019
E3	Rubber leg	CM 4144	074000004
E4	Nut	M4	042000002
E5	Noise insulatation pad	4KA-532	061000037
E6	Noise insulatation pad	4KA-534	061000059
E7	Lower case	2KA-343	023000258
E8	Rivet	4x9.5x12	044000012
	- Washer	4,3	043000019
E9	Noise insulatation pad	4KA-535	061000060
C10	Capping strip left	4KC-125	062000399
C11	Capping strip right	4KB-983	062000400
E12	Noise insulatation pad	4KA-537	061000061
E13	Upper plate	3KA-344	023000131
E14	Noise insulatation pad	4KA-533	061000038

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ

stomdevice

EKOM spol. s r.o.
Priemyselná 5031 / 18
921 01 PIEŠŤANY
Slovenská republika
tel.: +421 33 7967255
fax: +421 33 7967223
e-mail: ekom @ ekom.sk

https://stomdevice.ru - стоматологическое и зуботехническое оборудование с доставкой по России и СНГ