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## **Nr. 9700A - Brake bleeding tool, electric, 220V**

- for bleeding and changing fluids in brake and clutch systems
- bleeding pressure adjustable from 0.6 - 3.0 bar
- for one-man operation
- automatic switch-off when the container is empty
- incl. bleeding adapter 90°

### **suitable for :**

Audi, Bentley, BMW, BYD, Cadillac, Chevrolet, Citroen, Ford, Jaguar, Land Rover, Lexus, Mazda, Mercedes, MG, Opel, Peugeot, Porsche, Renault, Skoda, Toyota, Volvo, VW a.o.

### **Technical data:**

Connection: 220-240 V / 50/60 Hz.

max. power consumption: 35W

Working pressure: 0.6 - 3.0 bar

max. flow rate: 1.5 L / min.

Filling hose length: 3.5 m

Container idle protection

Noise level (operation): 70 dB

Dimensions: 290 x 285 x 319 mm

### **Scope of delivery:**

Brake bleeder unit

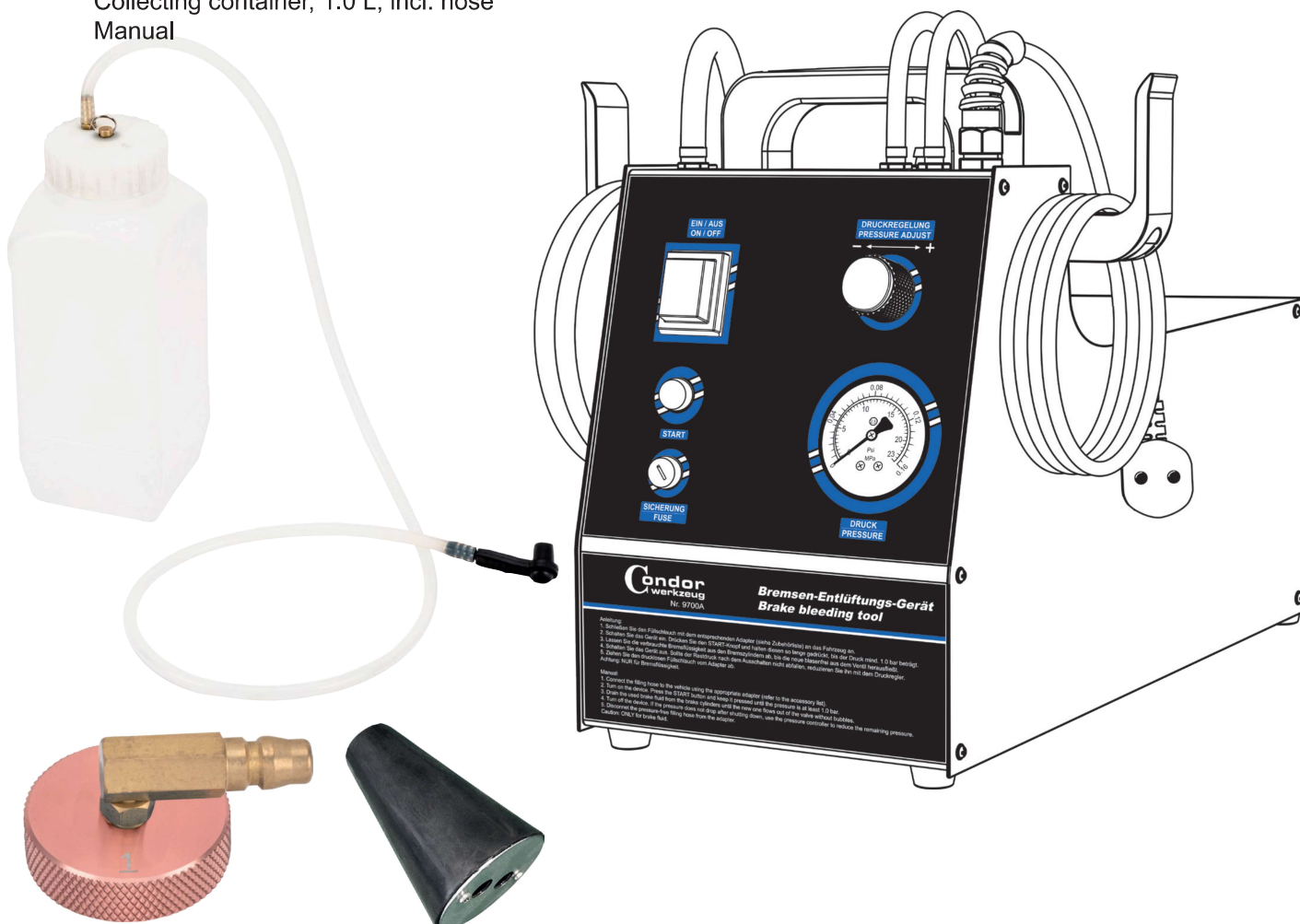
adapter 90°

rubber cone

Filling hose, 3.5 m

Collecting container, 1.0 L, incl. hose

Manual



## INTRODUCTION

The brake bleeder device is suitable for professional use in workshops and is used to bleed and change the fluids in brake and clutch systems. Any other use is considered beyond the device's intended purpose and is prohibited.

The pump takes the brake fluid from the reservoir with an adjustable working pressure of 0.6 and 3.0 bar and continuously delivers it to the reservoir of the brake system on the vehicle. The used brake fluid can now be drained from the brake calipers and wheel brake cylinders without the inconvenience of manual refilling until there is only new brake fluid in the entire system. This prevents any water absorption by the brake fluid. If no pressure build-up is possible or if air is sucked in, e.g. due to an empty container, the pump switches off automatically.



## GENERAL SAFETY RULES

Read all the operating instructions in this manual carefully before using this product. Failure to do so may result in injury from electric shock and irritation to the skin and eyes of persons.

Each user is responsible for the installation and use of the brake bleeder, in accordance with the instructions contained in this manual. The supplier is not liable for damage caused by improper use and operation.

The brake bleeder may only be operated by trained persons with appropriate qualifications. Never use the appliance under the influence of drugs, alcohol or medication.

Persons or animals standing nearby should keep a safe distance when working with the brake bleeder. Avoid working in the rain, in water and in damp environments. Keep the work area well ventilated, dry, clean and well lit.

## SAFETY RULES FOR THE PROTECTION OF PERSONS



Brake fluid is toxic and harmful to health, any contact must be avoided.



Keep out of the reach of children.



Always wear protective goggles against possible splashes in the eyes while using the brake bleeder. In case of contact, rinse the eye under running water for several minutes with the eyelid open. If symptoms persist, consult a doctor.



Always wear protective gloves when working with the brake bleeder to avoid skin contact with brake fluid. If skin contact should occur, wash it off immediately with soap and water. Immediately remove any clothing or shoes contaminated with brake fluid.



If swallowed, seek medical advice immediately

Always ensure that you have a secure footing so that you can safely control the unit even in unexpected situations. Make absolutely sure that the filling hose is not under tension, e.g. by lifting the vehicle on a lift.



## Disposal

Used/defective devices do not belong in household waste but must be disposed of in an environmentally friendly manner. For the disposal of the brake bleeder unit, please use the designated collection points for electrical devices.

Brake fluid should be disposed of as hazardous waste, e.g. at a pollutant mobile



## ELECTRICAL SAFETY RULES



This is a protection class I device that may only be supplied via a mains socket with a protective earth conductor. This may not be interrupted at any point (e.g. by an extension cable). Any interruption of the protective conductor or its disconnection can lead to injury from electric shock. Therefore, make sure that the device / housing is correctly earthed beforehand.

Do not twist or severely bend the power cord. It may cause damage to the inner wires. Never use the brake bleeder if the power cord shows signs of damage. Damaged cables pose a risk of injury from electric current. Keep the power cord away from heat and oil sources, sharp edges and moving parts. Damaged power cords must be replaced by the manufacturer, its technician or similarly qualified person to prevent dangerous situations or injuries.



## SAFETY RULES FOR USING THE APPLIANCE

Never leave the brake bleeder unattended when it is switched on. Always switch off the brake bleeder at the main switch and disconnect the power cord when it is not being used for its intended purpose!



Do not attempt to repair the brake bleeder yourself.

Before connecting the brake bleeder, check that the voltage and the fuse rating of the socket correspond to the values given on the type plate. If this is not the case, it can pose a serious danger and lead to damage to the brake bleeder.



It is necessary to protect the device from rain, moisture, mechanical damage, overloading and rough handling.

## APPLICATION

Before use, check the supply cable, the filling hose and the connection adapters for damage. If there is damage, the brake bleeder do not be operated.

Only use the device in compliance with all safety instructions, technical documentation and specifications of the vehicle manufacturer.

Only use brake fluid from new and originally sealed containers to fill the brake fluid reservoir.

## BLEEDING THE BRAKE BLEEDER

Place the container on a stable and level surface.

Unscrew the lid from the supply container and insert the suction and pressure balance hose to the bottom of the container.

Connect an adapter to the filling hose and hang it in a collection container.

Switch the device ON at the main switch (On/Off).

Press the start button and keep it pressed. The pump now starts to pump the brake fluid.

As soon as the brake fluid flows into the collection container without any bubbles, switch the device OFF at the main switch (On/Off), wait until the pressure has dropped and the pressure gauge shows 0 bar. Remove the adapter from the filling hose. The device is now ready for operation, even if the pressure gauge still shows 0 bar.

## BLEEDING THE BRAKE SYSTEM / CHANGING THE BRAKE FLUID

It is essential to read, observe and understand the safety instructions before use.

Before starting, check all brake lines and connections for leaks.

ALWAYS follow the vehicle manufacturer's instructions and guidelines.

After completion of bleeding and BEFORE driving off, be sure to check that there is sufficient brake pressure and that it does not drop when the brake pedal is actuated.

The pressure regulator is factory-set to 1.6-2.0 bar. This prevents deformation of the reservoir as well as leakage at the secondary cuff.

1. Take the adapter from the scope of delivery or a compatible set and install it to the vehicle's brake fluid reservoir.
2. Connect the filler hose to the adapter via the quick coupling.
3. Connect the device to power and switch it ON at the main switch (On/Off).
4. Press the start button and keep it pressed until the pressure gauge shows a pressure of 1 bar. The working pressure can be adjusted using the pressure regulator.
5. When the pressure is built up correctly, release the start button - the device continues to work. If the brake bleeder switches off, check the following possible causes:
  - there is not enough brake fluid in the brake bleeder unit's reservoir.
  - the pressure regulator is set too low.
6. Check the adapter for correct fit and tightness at the reservoir. If brake fluid leaks out, switch OFF the brake bleeder immediately and determine the cause.
7. Bleed the brake system one by one from the rear right to the front left by opening the valve on the brake calliper / wheel brake cylinder. Collect the old brake fluid in the collection container and close the valve as soon as the new brake fluid flows out of the outlet without any bubbles.
8. When the system has been completely bled, switch the brake bleeder OFF at the main Switch (On/Off) and check at the pressure gauge whether the operating pressure has dropped to 0 bar. The brake bleeder device automatically relieves the residual pressure. However, if the working pressure was lowered manually during refilling, the residual pressure remains. In this case, the pressure regulator must be relieved after switching OFF the device. To do this, turn the pressure regulator to the right until the relief point for the residual pressure is reached. Now the working pressure drops to 0 bar.
9. Disconnect the unpressurized filling hose from the adapter and remove it from the brake fluid reservoir.

**Attention:**

If the brake pedal or clutch reacts too slowly or too „soft“ after bleeding or changing the fluid, depress the brake/clutch pedal several times, increasing the pressure each time. If there is no change, repeat the bleeding procedure.

**EC DECLARATION OF CONFORMITY**

We declare that the designated product:

Description: Brake Bleeding Tool, electric (Item 9700A)

complies with the requirements of the:

EMC Council Directive 2014/30/EU

RoHS Directive 2011/65/EU + 2015/863 + 2017/2102



Identification of Regulations/Standards:

EN 55014-1:2017+A11:2020, EN 55014-2:2015, EN 61000-3-2:2014, EN 61000-3-3:2013+A1:2019

IEC 62321-3-1:2013, IEC 62321-5:2013, IEC 62321-4:2013+A1:2017, IEC 62321-7-1:2015,

IEC 62321-7-2:2017, IEC 62321-1:2013, IEC 62321-6:2015, IEC 62321-8:2017

Certificate Nr.: BOKE-210202214C / AST605, BOKE-210202216C

Test Report No.: BOKE-210202214E, BOKE-210202216R