

Declaration of conformity

Fritz Giebler GmbH, D-86405 Meitingen, Waltershoferstraße 16, hereby declares that the various models of device type 2-K-DOS comply with the regulations of Directive 98/37/EC and with the further required directives and standards mentioned therein.

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Instruction Manual

2-K-DOS Mixing and Dispensing System



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Ordering Information

Article name

Article no.

2-K-DOS Mixing and Dispensing System

With plastic containers

Including:

Power cable

Test adapter

Hose for test adapter

Sealing cap

3 pieces, mixing nozzle

3 pieces, mixing nozzle

3 pieces, mixing nozzle

1 piece, retaining nut

1 piece, retaining nut

A921-A1

A921-C34

A921-C50

A921-C35

MC 08 – 18

MC 10 – 18

MC 13 – 18

UM 10 – PP

UM 13 – PP

2-K-DOS Mixing and Dispensing System

With plug-in connection

otherwise, like A921-A1

A921-A3

2-K-DOS Mixing and Dispensing System

With plug-in connection and display

otherwise, like A921-A1

A921-A11

2-K-DOS Mixing and Dispensing System

With stainless steel containers and display

otherwise, like A921-A1

A921-A15

Accessories for device with plug-in connection

Canister connection for 5/10-l canister
Component A

A921-B81-RT

Canister connection for 5/10-l canister
Component B

A921-B81-BL

Holding bracket for 5/10-l canister

A921-B82

General Information and Short Description

The 2-K-DOS Mixing and Dispensing System is a device for automatic, bubble-free mixing and dispensing of 2-component casting and adhesive compounds based on silicone, polyurethane or epoxy. The two components are stored separately in two containers. Two controllable pumps feed the components from these containers to the mixing head through hoses. They are not mixed until they enter a mixing nozzle there. The mixing nozzle is a motionless mixer that is easy to exchange.

The pumps are controlled by microcomputers in such a way that the compounds can be fed in the selected mixture ratio at the selected speed and in the programmed dispensing amounts.

The 2-K-DOS works for a wide range of mixture ratios and a wide range of viscosities for the two components.

The 2-K-DOS is available in several models:

- 2-K-DOS with integrated plastic reservoirs for processing silicone compounds.
- 2-K-DOS with integrated stainless steel reservoirs for processing polyurethane, epoxy and silicone compounds.
- 2-K-DOS with plug-in connection for direct attachment of 5-l or 10-l canisters
- 2-K-DOS with plug-in connection for attaching hoses for large containers (canisters or barrels holding 25 litres or more).

If a 2-K-DOS menu differs somewhat from the information presented in this Instruction Manual, the menu provides the user with the information necessary to proceed.

Staff Training

Personnel must be made aware of possible risks resulting from contact with the components of the casting compound, some of which can be hazardous to the health. Safety precautions must be taken.

No special staff training is necessary on the operation of the device

for production; a short introduction is sufficient.

Instruction based on the Instruction Manual and the menu navigation should be provided for the personnel responsible for programming and adjusting the device.

Installation and Startup

The 2-K-DOS Mixing and Dispensing System is intended for installation on the level surface of a work table.

Use the enclosed 230-V cable (designed for non-heating equipment) to connect the device to the power outlet.

Fill components A and B into the appropriate reservoirs, attach the canisters to the appropriate connections or attach large containers with the appropriate hoses.

Make sure that the assignment of the components to the reservoirs or hoses and plug-in connections is correct.

Warnings

- Be sure not to get confused about which of the components A and B is in which reservoir, plug-in connections or hoses, and do not mix the two components together.
- Do not allow reservoirs and canisters to empty out completely during operation. If you do, you will have to let the air out of the device.
- Change the large container or barrel if air starts to enter the hose.

Alarm Message

Excess pressure in one of the two dispensing hoses, caused by an obstruction or a feeding speed that is too fast for the mixing nozzle used, is signalled by an acoustic signal and a display in the ALARM MENU. Feeding stops.

Use the ENTER key to acknowledge the alarm. The device returns to the basic operation state in which it has previously been running.

Technical Specifications

Nominal voltage:	230 V AC 110 V AC if requested
Nominal power:	120 VA
Nominal current:	0.5 A
Class of protection:	I
Degree of protection:	IP20
Permissible operating temperature range:	10 °C to 40 °C
Permissible humidity:	20% to 80% Non-condensing
Transport and storage temperature:	-20 ° to 50 °C
Viscosity range of the components:	100 – 8000 mPas Depending on tests, can also be more
Dimensions:	290 x 290 x 330 Room for carrier arm at top
Weight:	Approx. 15 kg empty
Feeding principle:	Gear pumps
Minimum feed rate:	Depending on components, 10 g/min
Maximum feed rate:	1200 g/min
Speed level:	1 g/min
Dispensing errors	Depending on calibration <2%
Adjustable mixture ratio:	From 1:1 to 10:1
more	Depending on test, also
Mixture ratio errors:	Depending on calibration <2%
Connections:	Foot switch

Guarantee

If the 2-K-DOS Mixing and Dispensing System is used correctly, Fritz Giebler GmbH provides a 1-year guarantee on manufacturing and material errors. The guarantee starts on the day of delivery to the customer.

The guarantee becomes invalid if:

- Repairs, modifications or interventions are performed by persons not authorized to do so by Fritz Giebler GmbH.
- Disturbances or damages can be attributed to improper use.
- The recommended information for use and the information contained in the Instruction Manual are not observed.
- The serial number has been made unidentifiable or has been changed.

Should service or repair work become necessary, send the 2-K-DOS Mixing and Dispensing System to Fritz Giebler GmbH or your dealer, with a repair order and in the original package, if possible (see back page for addresses).

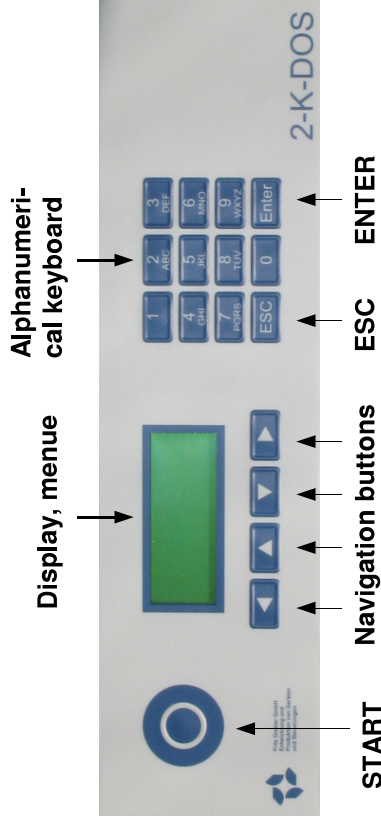
Safety Inspections

Safety inspections in compliance with VDE 702 must be performed annually, as for all electrical devices.

If you require technical services or have any other questions regarding the device, please contact your dealer or Fritz Giebler GmbH.

Control Panel

All settings and programming are done with the control panel on the front of the 2-K-DOS.



Operation and Navigation

**NAVIGATION
BUTTONS:**

Use the four NAVIGATION BUTTONS (UP, DOWN, LEFT and RIGHT) to navigate among the various menus.

ENTER:

The first time you press the ENTER button in a menu, the cursor jumps to the first input option. All entries are confirmed with the ENTER button. The cursor then jumps to the next input option.

ESC:

The ESC button causes a backwards step inside an input field or a change - toggle - of the field at which the cursor is standing.

**ALPHANUMERICAL
BUTTONS:**

With the buttons on the input field, you can enter digits e.g. for amounts or alphanumerical characters e.g. for names.

DISPLAY, MENU:

The first line always contains the name of the current menu.

Menüstruktur

Compound Input

1

Name:
Component A:
Density A:

Component B:
Density B:
Mixture ratio::

Product input

1

Name:
Form:
Compound::

Feed rate:
Feed quantity:
Calibration factor A:
Calibration factor B:
Start time A:
Start time B:

Password Entry

Release:
Password: *****

Operating mode selection

1

Product:
Operating: Conf/prog/Auto
Menge: X.X g of x.x g

Dispensing

1

Form:
Compound:
X.X g of x.x g

Calibration 1/10

1

Please screw on
sealing cap

Service

Pump test 1
Pump speed A::
Pump speed B::

Start time A:
Start time B:

☒ Generally accessible
menu area.

☐ Area of menu protected
by password

The number of the product is given
at the end of the first line in the fol-
lowing menus:

- Product Input
- Operating Mode Selection
- Dispensing
- Calibration

If you navigate with the up and
down navigation buttons, the pro-
duct stays the same.

You can call up another product
with the left and right navigation
keys, but only if you are working in
the Product Input or Dispensing
menu. If you then navigate with the
up and down navigation buttons,
the product stays the same.

In the menu Compound Input the
number at the end of the first line
is the number of the compound.

You can reach the menu lines out-
side the menu screen in this figure
by scrolling with the ENTER key
when confirming.

Error Lookup Table

Error	Possible causes	Solution
Device does not run	Device not connected to electric supply	Plug in power cable
Excess pressure alarm	device not switched on	switch on device
	Mixing nozzle was hardend	replace mixing nozzle
	Mixing nozzle to small	Use larger mixing nozzle or reduce dispensing speed
Compound does not harden	Device is clogged	Clean discharge on head, send device to manufacturer
	Mixing ratio is incorrectly adjusted	Set up correct mixing ratio
Air in casting compound	Air in system	Vent system
Air bubble break when compound exits	Air in system	Vent system

If this error look-up table does not help you find a solution, please contact your dealer or the manufacturer. You can also send the de-vice, with a short description of the error, to your dealer or the manu-facturer.

Cleaning, Storage and Shipment

Cleaning

Use only a damp cloth and mild household cleaning agent to clean the device. You can also clean particularly dirty spots with isopropyl alcohol.

Always pull the plug from the electrical outlet before cleaning the 2-K-DOS.

Make sure that no liquid gets into the interior of the housing.

Storage

Before storing the device for a longer period of time (weeks or months, depending on the casting compounds), you must empty out both reservoirs and clean them with an appropriate cleaning agent, following the same procedure as when you change the casting compounds. This especially applies to hardeners that contain isocyanate. Although the device uses hoses that are especially good at blocking humidity, if the device is stored for very long periods with hardener filled in, the hardener can crystallize in the hoses as the result of diffused humidity, consequently clogging the hoses.

It is also possible, however, to feed enough casting compound so that the hardener is fed out of the hose system and therefore exchanged. This should be repeated at intervals of a few weeks, because this time is short enough to ensure that the hardener has not yet crystallized. Observe the drying cartridge on the reservoir and exchange it if necessary.

Shipment

To guarantee optimal protection during shipping, ship the 2-K-DOS Mixing and Dispensing System in the original package, if possible.

Before shipping, always empty out both reservoirs or use a pallet to ensure that the device remains in an upright position during shipping.

Menu Overview

Menus Accessible to all Users

Dispensing

The OPERATION menu is the standard menu for using the 2-K-DOS for dispensing. This menu is the one that appears when you switch the device on.

You can call up PRODUCTS that you have already saved with defined values - quantity, feed rate, etc. - with the LEFT and RIGHT NAVIGATION BUTTONS.

Start the feed itself with one of the three Start buttons

- Button on control panel
- Button on dispensing head
- Foot switch

Continuous feed can be interrupted by briefly pressing one of the Start buttons three times.

OPERATING MODE SELECTION

You can call up various, individual types of dispensing in the OPERATING MODE SELECTION menu.

You can select one of the three OPERATING MODES, Continuous, Manual and Programming, by using the ESC key to step through the modes.

Continuous MODE:

The 2-K-DOS feeds components as long as one of the three START buttons is pushed.

Automatic MODE:

You can specify a quantity in g with the numerical keys. Each time you press one of the three START buttons, the device feeds the specified amount.

Programming MODE:

In this operating mode, you can use test casting to automatically program the amount to be fed.

After you press one of the START buttons, the device begins feeding, following the same process as in Continuous MODE. The amount is added up. You can interrupt this process at any time.

The accumulated amount is then incorporated into the Automatic OPERATING MODE, where it can be dispensed by pressing a key, as described.

If you release the blocked section of the menu by entering a password, you will see a prompt asking if you want to use this amount for the product. Press ESC to switch to YES and confirm that you want this amount to be used with the product.

Service

This menu group contains several help functions that can be called up with the navigation buttons.

You can enter figures for revolutions per minute and feeding speeds for the pumps with pump test 1 and 2, and then you can carry out tests.

To vent or rinse out a hose line, enter a high revolution speed or feed rate for the associated pump; set the other to 0.

Using password release, you can call up the menus for completely erasing the product memory and for displaying the device software status.

Password Entry

Password protection is provided for a number of menus where it is possible to change the values used for dispensing. Only the menus for production and service can be accessed without a password.

take longer (hours). A quicker method is to lift the valve in the plug-in connection with a plastic stylus or Allen wrench so that the air trapped in the hose can escape through the plug-in connection.

Attention: Do not remove the plug-in connection or open the hose clamp.

After attaching the hose to the 2-K-DOS, you must wait to allow any air bubbles to vent (air in the plug nipple). You can also vent these bubbles by following the same procedures as for venting the device.

Both the hose for connecting 15-l canisters and the hose for connecting barrels are longer than necessary. The user should trim the hose so that it is as short as possible.

Mixing Nozzle

The mixing nozzle consists of a number of counter-clockwise and clockwise rotated spiral pieces, called mixing elements. The number of mixing elements determines the intensity of the mixing; the more elements, the better the mixing.

Mixers with the following numbers of mixing elements are recommended for the various compounds.

Compound	Number of elements
Silicone	18 – 32
Polyurethane	24 – 52

Removing the Canisters

Lightly press on a canister and lightly pull on the rotating ring on the canister connection to loosen the canister. When you remove the canister, make sure that any dripping material is not allowed to land on the other plug nipple.

Attaching and Adjusting the Holding Brackets

The A921-B82 holding brackets are mounted with the help of the two star-grip screws. Adjust the height of these so that the canister is only supported. Adjusting the holding bracket so that it is too high or too low can interfere with the proper function of the plug-in connections.



Hose Connection for Large Containers

Large containers or barrels, 25-l or larger, can be connected to the 2-K-DOS with a hose. The screwed cap of the hose must be tightened by hand on the canister. When connecting barrels, make sure that this is screwed into the corresponding reception hole in the barrel cover.

The user must provide for ventilation at the barrel connection. See Reservoir Ventilation.

An optionally available canister holder holds a maximum of two 25-l canisters.

To hold the barrel, the customer must provide a suitable holder to make sure that the barrel is higher than the 2-K-DOS. You must comply with applicable safety regulations.

After you connect the hose to the container, you must vent the connection hose to ensure that the compound is free of bubbles. This can be accomplished for very low-viscosity materials (less than 500 mPas) by placing the container on the canister holder or barrel holder and then simply allowing the hose to hang down. For a high-viscosity material, this can be done in the same way, although it will

After you enter the correct password and confirm with ENTER, the release is shown, indicating that all menus have been released. The release is valid until you reset the password by entering a single digit and confirming with ENTER.

Area Protected by Password

Compound Input

In the COMPOUND INPUT menu, you can enter the data for the casting compound with which the device should work according to the points specified by the menu. When you input the product, the compound then appears in the product menu, where you can select it by switching with the ESC button. It is important that you enter the density of the two components and the mixture ratio in this input.

On devices with attachable containers, it is easy to exchange the compounds as long as the separate components have the same basis.

There are compounds, however, that can be given different characteristics, such as the Shore hardness, depending on the selected mixture ratio. Here the compound can be entered as a different compound in each case by entering the appropriate mixture ratio.

You can enter up to 9 different compounds. You can call them up by scrolling through the list with the NAVIGATION BUTTONS LEFT and RIGHT.

PRODUCT INPUT

In this menu, you create the product that you want to produce and give it a name. You must enter other necessary parameters, such as form, compound, feed rate and feed quantity, in the corresponding input fields in the menu, and confirm each with ENTER. You can determine the various calibration and correction values with the calibration menu and automatically input them into the product. You can overwrite values in the input menu. You can skip the calibration if you are working with components with approximately equal viscosities and as long as the dispensing precision allows it.

The calibration and correction values for the following functions for each of the two components ensure the necessary accuracy:

Calibration factors, A and B	Ensure that the dispensing amount is dispensed correctly according to the value that was input (in g). Ensure that the pumps start up in such a way that the device starts dispensing both components at the mixer at the same time. Correct deviations in the pumps from the nominal delivery rate, regardless of the compound and feed rate.
Start times, A and B	
Offsets A and B	

Calibration

Calibration is necessary if you are using casting compounds whose two components have very different viscosities, a mixing ratio that is far from 1:1 and requires great precision. This is generally the case with PU compounds

Determination of the calibration and correction values is done in the calibration menu's 10 submenus. You only need to do whatever the current menu item prompts you to do, such as screwing on the mixer, etc., and then switch to the next menu item. At the last menu item (10), you can decide whether or not you want to include the determined values in the accompanying product.

2-K-DOS with Plug-in Connection



The 2-K-DOS Mixing and Dispensing System with plug-in connection is a device for automatic bubble-free mixing and dispensing of 2-component casting compounds based on silicone. Because it has a wide variety of configuration options, it can be adapted to the appropriate application area.

Canister Connection



The 2-K-DOS with plug-in connection allows you to connect 5-ltr. and 10-ltr. canisters directly to the device. This is done by exchanging the canister's sealing cap with the A921-B81 canister connection.

When you attach the canisters, you must particularly make sure that the two components, A and B, are not switched, because otherwise the compounds harden in the device and the manufacturer must carry out costly cleaning.

Attaching the Canisters:

Screw the A921-B81 canister connection on to the corresponding canister by hand. Support the canister and attach the corresponding plug nipple to the 2-K-DOS. After you attach the canister, you must punch ventilation openings into it – see Reservoir Ventilation. Then you must wait a suitable time to allow the air bubbles that have formed in the plug-in connection to vent upwards in the canister.

ATTENTION!

Cleaning agents generally contain very volatile and flammable ingredients. During the cleaning process, easily flammable fumes can form in the reservoirs. For this reason, you must keep away from fires and open lights during the cleaning process.

2-K-DOS with Integrated Reservoirs

The 2-K-DOS Mixing and Dispensing System with integrated reservoirs is a device for automatic bubble-free mixing and dispensing of 2-component casting compounds based on silicone, polyurethane or epoxy.



The device with plastic containers is intended for silicone casting compounds.



The device with stainless steel containers can be used to process all – silicone, polyurethane and epoxy compounds.

A cover with drying cartridge should be provided for the container in question when you use separate components, such as hardeners containing isocyanates for polyurethane compounds, because these components are sensitive to humidity.

- In menu points 1/10 and 5/10, the deviations (offset values) of the two pumps are determined for the associated product. Point 2/10 can take a few minutes to complete. You can tell that the device has determined the correction values 1 when you see new values appear for the revolution speeds and you notice that the pumps have stopped running.
- The start times for the pumps are measured for this product in point 6/10.
- Deviations of the dispensing in weight, in g, of the individual components is determined in points 7/10 and 8/10.
- In point 10/10, you can decide whether or not you want to include the new calibrated values with the product.
- By comparing the previous calibration values with the newly determined ones, you can tell whether there are changes in the device or the casting compound. This allows you to check the device occasionally, without accepting the calibration values.

Example: Entering the Compound and Product

If you want to input or change a product, you must first enter the release password

In the COMPOUND INPUT menu, you enter the physical characteristics of the casting compound, such as mixture ratio and density.

- Use the NAVIGATION BUTTONS to select the COMPOUND INPUT menu.
- Activate the NAME field with the ENTER button.
- Use the keyboard to enter the name of the casting compound.
- If the name of component A differs from the name of the casting compound, enter the appropriate name in the COMP.A field.
- In the following field, DENSITY A, enter the density of component A. This is needed for converting between the weight and volume of the component.
- Follow the procedure that was just given for component A for the fields of component B.
- In the field MIXRAT, enter the mixture ratio of the two components in the proportion by weight, in hundredths.
- You can select additional compounds by using the NAVIGATION BUTTON RIGHT, and then program them according to the above instructions.

Use the DOWN NAVIGATION BUTTON to reach the PRODUCT INPUT menu.

In this menu, you define the product that you want to produce and give it a name, then combine it with the appropriate COMPOUND and the appropriate values for the feed.

- Activate the NAME field with the ENTER button. You must enter a name for the product so that you will be able to enter additional products later.
- You can specify the form needed for the product in the FORM field.
- In the COMPOUND field, you can use the ESC button to select one of the specified compounds and then accept it into the product with the ENTER button.
- In the FeedRate field, specify the required feed rate, in g/min, for dispensing the product.
- In the FeedQty field, enter the required feed quantity. You can also determine the amount that needs to be dispensed in order to fill the product's form by using the OPERATING MODE menu, selecting PROGRAMMING and then automatically inputting the quantity.
- If you are entering a new product, the following fields will initially contain the values for the previous product. If the compound and feed rate are the same, these values are correct, so you do not have to determine them again.
If the compound or feed rate is different, you must recalibrate the device. After you have finished the calibration, the calibration values are transferred to the product
- This completes the process for programming the product.
You can use the DOWN navigation key to switch to DISPENSING this product.

Example: Calibration

To calibrate, you must first enter the release password

Use the DOWN NAVIGATION BUTTON to go from the product for which the calibration value should be determined directly to the Calibration menu.

Attention: the device always calibrates to the product that you were working on before you switched directly to the calibration menu. The number of the product is shown in the upper right section of the menu field.

Changing the Casting Compound

If you change the casting compound, you must clean the inside of the reservoirs and the feeding system - pumps, hoses and dispensing head. The intensity of the cleaning depends on how much the new casting system differs from the old one.

If the two casting compounds have the same basis, you only need to feed until the container is empty, then refill the container again, make any necessary adjustments to the settings and check the mixture ratio. For different systems, thorough cleaning is necessary, including several rinses with cleaner.

If you switch between very different systems - polyurethane and silicone - we recommend cleaning by the manufacturer. If you are not sure, ask your dealer or the manufacturer.

Procedure for Changing the Casting Compound

- Use empty dispensing, possibly with the Service menu, to remove as much of the casting compound components as possible from the device.
- Call the Service menu and set one component's feed rate to 0.
- Fill approximately 0.5 l of a cleaning agent matched to the casting compound into the component's reservoir with the pump switched on, and clean the container.
- Feed the cleaning agent out of the reservoir.
- Fill approximately 0.5 l of cleaning agent into the reservoir again.
This time, remove the swivel arm from the holder and place the dispensing head into the filler opening of the reservoir and rinse for a few minutes. During this procedure, only the pump for this reservoir's component is permitted to be connected, because otherwise there is a risk of clogging.
- Feed cleaning agent completely out of the reservoir while taking the swivel arm out of the holder and holding the dispensing head all the way down.
- Repeat the rinsing process until the cleaner, and therefore the device, is sufficiently clean.
- Repeat the process for the second container.
- Fill the 2-K-DOS with new casting compound and recalibrate the products.

Reservoir Ventilation

In order to feed the compounds from each of the reservoirs, it must be possible for air to flow afterwards. Otherwise low pressure can result, which can distort the mixture ratio and consequently the dispensing.

Types of ventilation:

- Ventilation holes have been placed in the reservoir covers.
- If you use canisters, you must use a sharp object to punch a ventilation opening. Be sure not to loosen any chips or shavings when punching the hole, because these could block the pumps.
- If you use barrels, you must make sure that there is appropriate ventilation on the ventilation connection.

Be particularly sure to keep the ventilation openings free.

Venting the Feed System

If the device is used correctly, no air can enter the system. If, however, a container is emptied and the device is then used, air can enter the feeder hoses and distort the dispensing. The air collects at the highest point in the hose to the nozzle, where it can be seen. Even the slightest amount of air can falsify the dispensing. In this case, you must vent the 2-K-DOS by carrying out the following steps:

- Make sure that there is sufficient compound in the containers, canisters or barrels.
- After attaching the canister or hoses to the plug-in connection, you must wait a suitable time to allow the air bubbles that have formed in the plug-in connection to vent. Depending on the viscosity of the compound, this may take a longer time.
- Use the navigation keys to call up the Service menu.
- Switch the pump for the component that has air in it to a high pump speed (150 – 300) or a high feed rate, and switch the other pump to 0.
- Feed only until you can no longer see an air bubble and no more air bubbles are coming out of the mixing head

The device tests the pumps. The test lasts 2 – 3 min. When it has completed, the pumps stop.

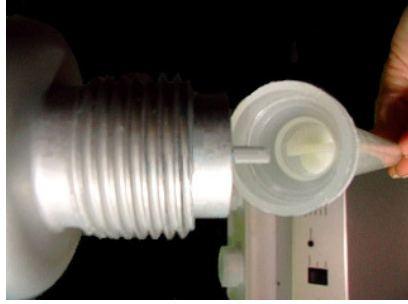
- Menu point 3/10: Screw on the mixing pipe.
- Menu point 4/10: Fill the mixing pipe by pressing the Start button until the mixing pipe is full.
- Menu point 5/10: Start dispensing by pressing the Start button. The dispensing takes only a few seconds. The offset values for this product are determined.
- Menu point 6/10: Start dispensing by pressing the Start button. The test takes only a few seconds. The start times for the pumps are determined.
- Menu point 7/10: Screw off the mixing pipe.
- Calibration of pump A in g.
Enter the target quantity, which should be in the range from 20 - 40 g.
- Start and enter the quantity that was fed as the actual value. Confirm with the ENTER button.
- Menu point 8/10:
Calibration of pump B in g
Enter the target quantity, which should be in the range from 20 – 40 g
- Start and enter the fed quantity as the actual value. Confirm with the ENTER button.
- Menu point 9/10
Screw on the mixing pipe and rinse. Use the Start button to dispense enough compound to ensure that the compound in the mixing pipe is rinsed through once.
- Menu point 10/10: Use the ESC button to switch to Yes and use the ENTER button to incorporate the calibration values into the product.

This completes the calibration. You can use the UP or Down navigation key to call up the next menu that you require.

Installing the Mixing Nozzle



Select the retaining nut that is appropriate for the mixing nozzle.



Align the top-most mixing nozzle segment so that it is parallel to the dispensing head separating segment.



Tighten the retaining nut by hand so that the mixing nozzle cannot move

Sealing the Nozzle When the Work is Done

After the dispensing work has been completed or before work pauses that will last longer than the working life of the casting compound, perform the following steps:

- Screw off the mixer.
- Wipe the mixing head discharge point clean of any compound
- Place the OPERATING MODE SELECTION menu into the "Continuous" position.
- Briefly dispense the compounds (for approximately 2 seconds).
- Wipe the mixing head discharge point clean of any compound.
- Put the sealing cap on the device and screw it down firmly to ensure that air is sealed out.



Sealing cap in place



Retaining nut screwed on