

OPERATING INSTRUCTIONS

Vicat Needle Cleaning Device

38-2015/12

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| <p><i>In the interests of improving and updating its equipment, ELE reserves the right to alter specifications to equipment at any time.</i> ELE International 2013 ©</p> | | |

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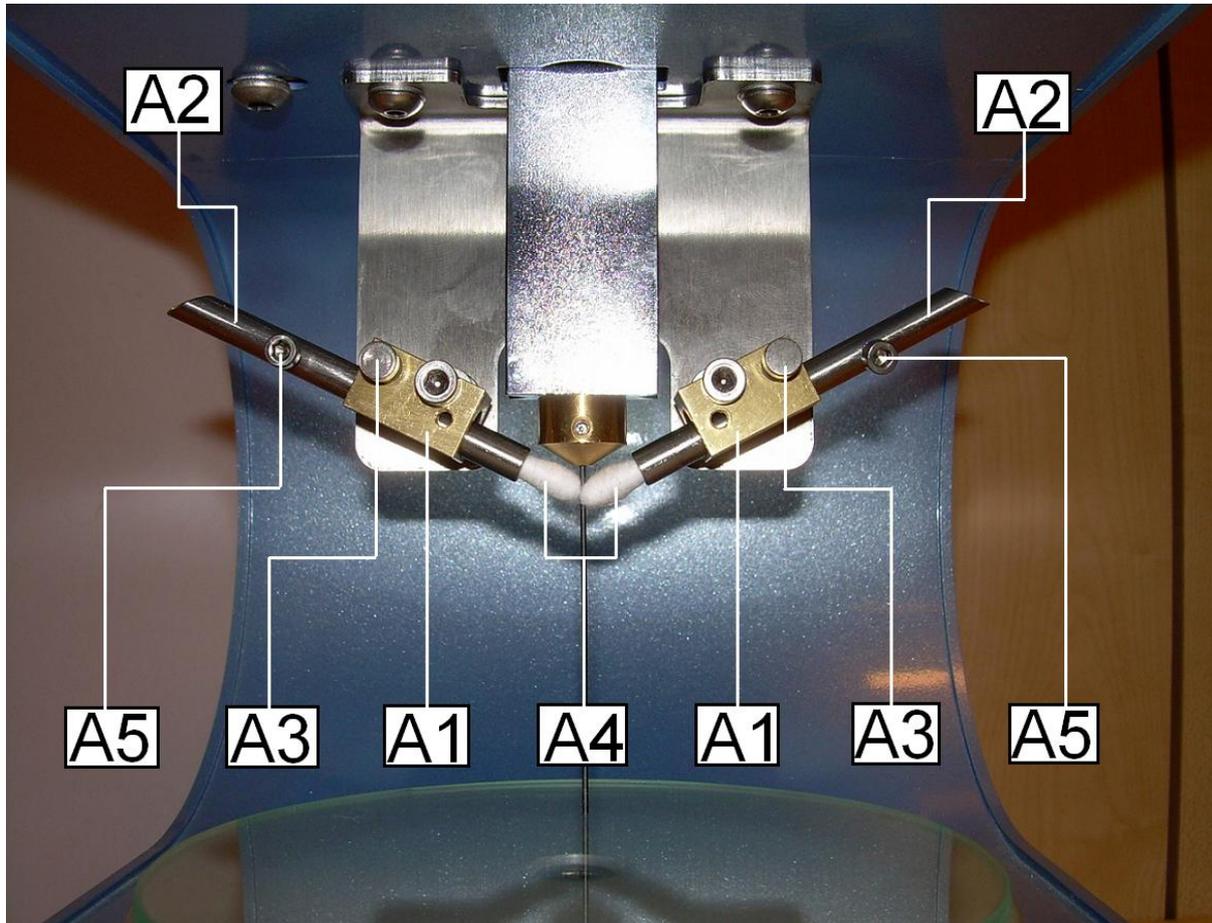
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1 Usage

The needle cleaning device is supplied as an accessory for the Vicat apparatus. It is used to eliminate cement slags on the penetration needle.

This appliance must only be used for the purpose for which it is intended. Should it be working irregularly, contact ELE International's service department for advice.

2 General Machine Description



| | | |
|----|---------------------------------|--|
| A1 | Holding Plug Guide | Rotating guide in which the holding plug is inserted. |
| A2 | Holding Plug | Housing in which the plug is placed and fixed (A4). |
| A3 | Button To Stop The Holding Plug | By keeping this button pressed, it releases the holding plug (A2) and allows the regulation of the inclination of the holding device in order to obtain the best working conditions. |
| A4 | Plug | This is placed inside the holding plug. It comprises of a rod with a cotton wad fixed on its ends; by rubbing it against the penetration needle during movement, it removes the residual cement particles. |
| A5 | Plug Fixing Screw | Screw used to fix the plugs inside the holding devices (A2). |

3 Dimensions and Weight

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|--------|-------|
| Length | 33mm |
| Width | 134mm |
| Height | 71mm |

4 Assembly Procedure

For correct installation of the cleaning device on the machine, please refer very carefully to the following instructions:-



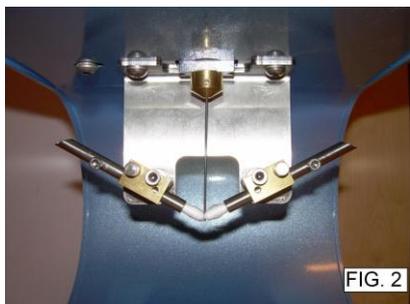
1. Place the cleaning device on the Vicat machine so that the fixing holes on the appliance are centered with those on the Vicat.
N.B. the guides **A1** must be facing the user.



2. Tighten the supplied screws in the corresponding holes but without locking them tightly, in order for the position of the device to be changed.



3. Insert plugs **A4** in the corresponding holding devices **A2** and fix them as described in Section 5 Plug Replacement.
4. Regulate the position of the appliance so that the plugs **A4** are perfectly aligned with the needle.
5. Tighten the fixing screws.
6. Regulate the inclination and position of the plugs **A4** so that :



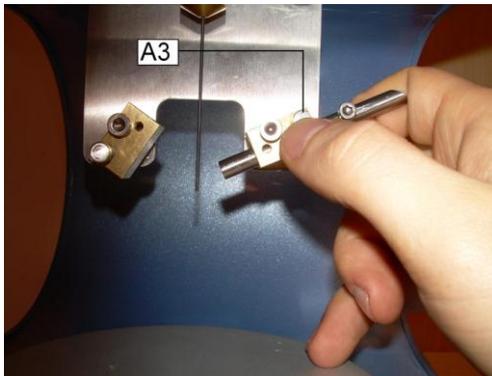
- When the probe is completely down, the plugs do not touch the brass bush (FIG. 1).
- When the probe is completely up, the plugs have to touch the tip of the needle (FIG. 2).



7. Add three or four drops of oil in the holding devices **A2** and wait at least two minutes before starting to use the device to perform a test.

WARNING: Before every test, replacement of the plugs is recommended (**A4**).

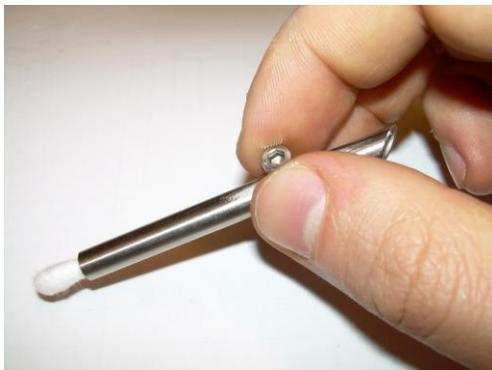
5 Plug Replacement (**A4**)



1. Push button **A3** in order to easily release the holding device with the plugs to be replaced.



2. Cut new plugs to length of approx. 65 mm and place them in the corresponding holding devices **A2**.



3. Fix the new plugs by tightening screw **A5**.



4. Push button **A3** again, insert the holding devices so that they adhere perfectly to the needle of the probe (as shown in the previous section), then release the button.
NB: ensure that the part with screw A5 of the holding devices is facing the user.