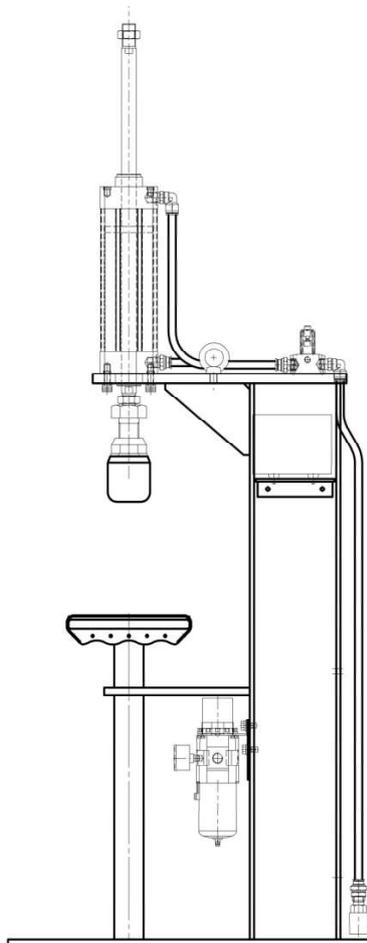


Grab presser F 8 2 0

Operation manual

Please read this instruction manual carefully before operating safely.
Please keep it in a safe place after reading



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Thank you for purchasing the AEM product.
Please read this manual carefully before using it.

[Safety Precautions]

This instruction manual explains how to handle, use, and install the compressor for those who work and those who perform maintenance and inspection.

Mishandling of the compressor may result in serious injury or death to the user, so please strictly observe the usage, cautions and warnings.

In this instruction manual, the ranks of safety precautions are classified as "danger" and "caution". この取り

1 : Safety precautions

It has a structure that kneads the grab by moving the resin mallet up and down.

The kneading pressure will be 250 kg (551lb) or more, and if you pinch your limbs, a serious accident will occur. Before operating the cylinder, make sure that there is nothing other than a grab before operating it.

Also, never touch the top and bottom of the cylinder during operation.

2 : Precautions for safety inspection

Since high-pressure air and 100/110V power supply are used, if the air hose is found to be detached, scratched, deteriorated due to aging, or scratched, replace it regularly.

100/110V power cord and foot switch wires can be damaged by being stepped on or pinched. If any scratches are found, ask our company or a professional engineer to replace it.

3 : Precautions for replacing the molding jig

If multiple grab type jigs are prepared, the user may replace them. In this case, use a formal tool to install it properly. Also, it is possible that the screws will loosen during work, so check regularly for loose screws before starting work.

The jig and the screw itself have a locking bolt, so be sure to tighten this screw as well.

4 : Precautions for inspection

Check the following items when inspecting the machine or replacing the grab pushing jig.

a: Turn off the power switch of the control panel or unplug the power cord from the outlet.

b: Remove the air hose from the regulator on the next page ④ and check that the pressure meter has become zero.

【 1 】 : Applications and features

The air type (grab presser) grab type machine is a device that softens the hardness of a baseball glove when purchased, and then blends it into the hand to soften it.

The work of hitting, pushing and kneading with hand tools is reduced by the pressure of air. If you hit it with an extremely hard object, the skin may be scratched, but since it is pressed down by the pressure of the air, the feeling of hand fir is mechanized and it is easier.

In addition, it is possible to easily change the sideburns pressure by adjusting the air pressure.

【 2 】 : Structure and specifications



【 Construction 】

- ① : Pressurized cylinder
80 φ -200 stroke
Reference Pressure of about 280 kg/617lb
at 0.6 MPa
- ② : Cylinder operation valve
AC100/110V operation
- ③ : Pressurizing jig
Resin push jig
- ④ : Air regulator
Air pressure adjustment / manual drainage
function
- ⑤ : Control panel (automatic / manual)
Manual descent operation with power SW.ON
+ foot SW Rise (release) with OFF
Continuous up / down operation with automatic
SW.ON
Timing can be controlled with a timer
Details are explained in a separate figure
- ⑥ : Foot switch
Descend with manual mode + foot SW
If you take your foot off, it will rise.
- ⑦ : Working table
Put a grab here and knead it up.
- ⑧ : Machine frame

【 specification 】

Power supply: AC100/110V-10W
mass : 64kg/141lb
Air source : Please prepare a compressor of
0.7MPa-2.2KW or more.
For a compressor with a small capacity, use it
together with the auxiliary tank.

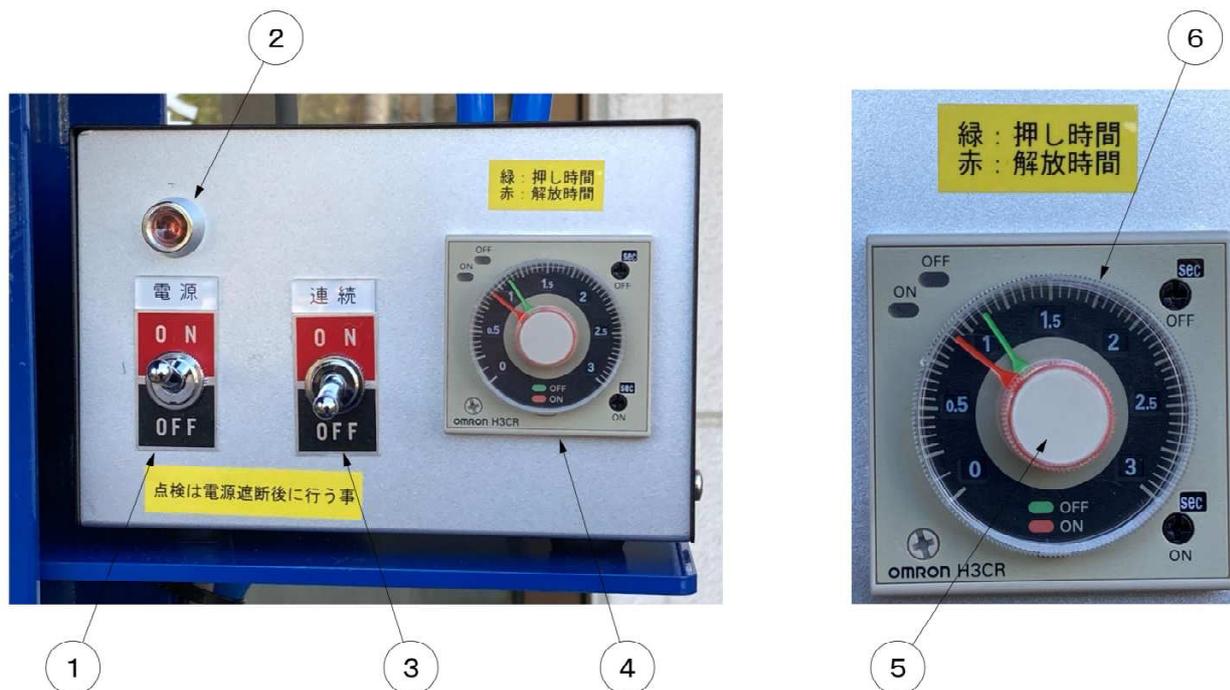
If the air source is insufficient, it will not be possible to knead sufficiently.

Mpa	kg	Mpa	kg
0.2	94	0.7	330
0.3	141	0.8	377
0.4	189	0.9	424
0.5	236	1.0	472
0.6	283		

Relationship between air regulator adjustment and pressurization

The table is a reference value of [4] ⑩ regulator adjustment and actual pressurization.

【 3 】 : Control panel explanation



① : After inserting the power switch 100 / 110V plug, turn it on and the power lamp of ② will light up. If you operate the foot switch in this state, the cylinder will descend and pressure will be applied to the grab. When the switches ① and ③ are turned on, the cylinder can be continuously moved up and down according to the set time of the timer.

⑤ ・ ⑥ How to set the timer with the knob :

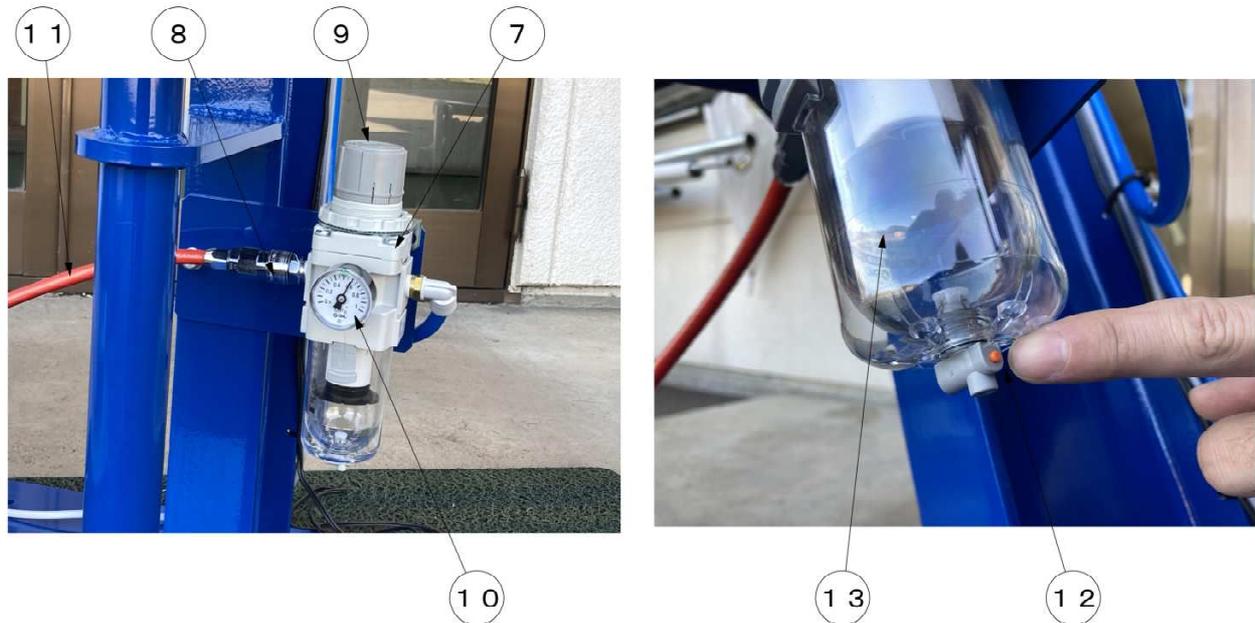
⑤ (Small red knob) is the time when the cylinder is raised and waiting

⑥ Time when the cylinder is lowered and pressurized (large green knob)

Both photos are set to about 1 second.

※ If you turn on the automatic switch, the cylinder will drop immediately, so be careful not to pinch anything other than the grab.

【 4 】 : Description of air regulator



⑦ : Air regulator body

⑧ : Air supply coupler (30PM)

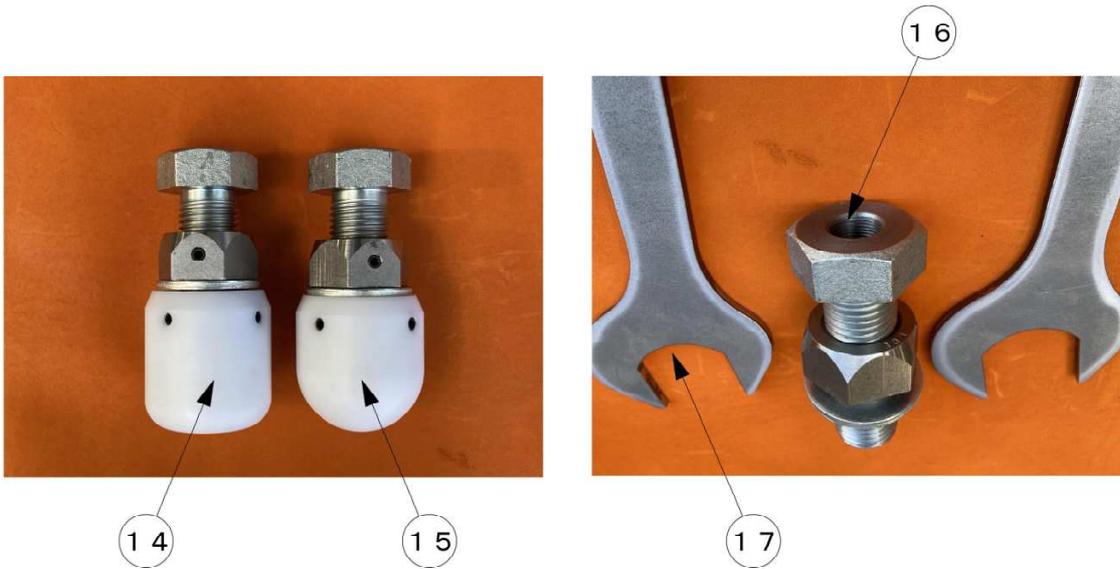
⑨ : Adjust the air pressure adjustment knob by pulling it up. Tighten it to the right when viewed from above to increase the pressure. Turn to the left to reduce the pressure. Push in the knob when the adjustment work is completed.

⑩ : Shows the current pressure, around 0.5-0.6MPa is appropriate, match the grab kneading conditions.

⑫ : It is a drain button of the regulator. If there is a water drop inside, press this orange button and it will be drained to the lower side.

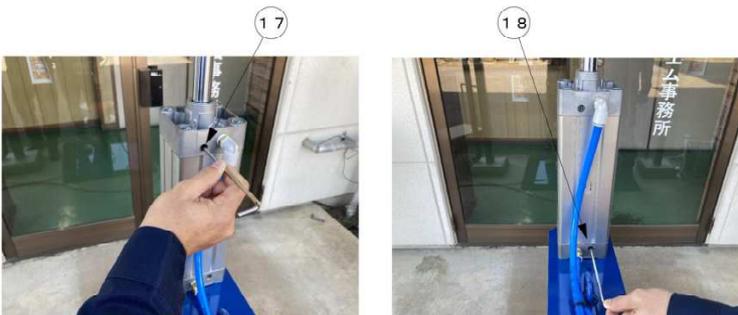
⑬ : Filter case: If it has been used for many years and is dirty, clean it. Also, there is a filter inside, but if it is extremely dirty or the case is cracked, replace the main body.

【 5 】 : Description of grab pressurizing jig



- ⑭ : Pressurized jig flat
- ⑮ : Pressurized jig circle (for pocket)
Prepared according to the purpose of kneading and molding the grab (standard comes with one flat)
- ⑯ : Jig mounting screw is a connection part between the grab pushing jig and the cylinder.
Please install it securely with the specified tool.
After installing the jig, also tighten each set screw.
Cylinder side screw opposite side 32 mm Jig side mounting screw opposite side 50 mm
- ⑰ : Attached spanner 32 mm-50 mm 2 pieces

【 6 】 : Cylinder end absorber adjustment



The photo on the left is a screw for adjusting the absorber when the cylinder is fully extended up and down.

- ⑰ : Adjustment screw for soft spp on the upper end
- ⑱ : Adjustment screw for soft spp at the lower end

Adjust with a hex wrench
Please adjust while watching the movement
It changes depending on the air pressure.

【 7 】 : About machine warranty

- 1) Machine warranty is one year after delivery
- 2) The scope of the warranty is within the scope of our manufacturing responsibility in mainland Japan, and we will supply repair or replacement parts. In other areas, parts will only be shipped.
In addition, we cannot guarantee the secondary damage (opportunity loss) that occurs in the event of a failure.
- 3) The warranty covers only metal products. Materials other than metal parts such as resin, tubes, rubber, and leather are treated as consumables.
- 4) Different voltage (lightning, etc.), pressure of 0.9Mpa or more, water damage, water droplets, condensation (basically indoor specifications) Extreme impact, strong vibration, inside strong dust, -10 C or less or 40 ° C or more Operation under such conditions and poor maintenance is not covered by the warranty.
- 5) Basically, if you find any unstable operation or abnormal noise, please contact us.
- 6) When performing maintenance on the customer side, a person with specialized knowledge should do it.
There is a risk of electric shock or pneumatic accident. Please refuel regularly where refueling is required.
- 7) Use for purposes other than kneading the grab is not covered by the warranty.

【 8 】 : About other production specifications.

- 1) The paint color of the machine changes according to the user's order.
- 2) The color of the work table cover will change slightly depending on the availability of materials.

【 9 】 : Other handling precautions

- 1) Originally it is a device that rubs the grab.
If you simply squeeze the grab, the screw of the push jig may hit the grab and scratch it.
Cover the screws on the top of the push jig with cloth tape in advance.
By doing so, you can work with peace of mind.
- 2) When the air regulator is maximized, a force of 450 kg/987lb or more is applied.
Work with the appropriate pressure for the grab.