

Вакуумный счетчик семян VSZ

Технические характеристики

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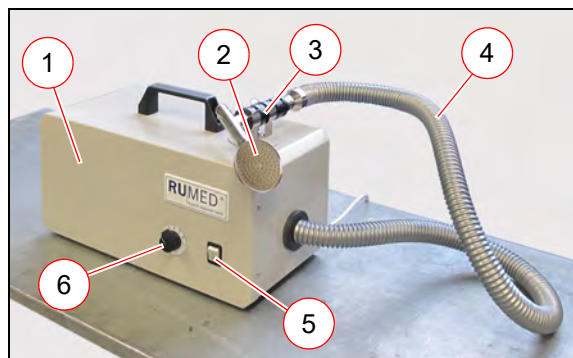
эл.почта: rdx@nt-rt.ru || сайт: <https://rumed.nt-rt.ru/>



2.1 Delivery Scope

The delivery scope includes:

- 1 × Vacuum seed counter
- 1 × Counting head 70 mm Ø for grass (100 bores 0.7 mm Ø each).
The bore size is engraved in the centre of the counting head.
- 1 × Counting head 70 mm Ø for clover (100 bores 1.0 mm Ø each).
The bore size is engraved in the centre of the counting head.
- 1 × Operating manual



- (1) Vacuum Seed Counter
- (2) Counting Head
- (3) Hose Holder
- (4) Connecting Hose
- (5) Switch ON/OFF
- (6) Suction Power Controller

2.2 Appropriate Application

The vacuum seed counter is exclusively used for placing a defined quantity of seed in a specified arrangement on a suitable germination substrate using the appropriate counting head.

ADVICE

Do not suck seed, the size of which is smaller than the bore diameter of the counting head.

Any other application is considered as misuse.

This extremely practical appliance simplifies the laborious and time-consuming counting and de-positing of seed for germination.

It is particularly suitable for uniformly sized and smooth seed, such as grain, brassica and trifolium.

The counter consists of three components: a vacuum system with connecting hose, a series of counting heads corresponding to the different types of seed and of a valve interrupting the vacuum.

The intensity of the vacuum can be varied with a potentiometer.

The counting heads with 100, 50 or 25 bores are slightly smaller than the paper substrate, and they have a rim avoiding that the seed drops.

The diameter of the holes is adapted to the size of the seed and to the suction power of the vacuum.

It is neither allowed to use the vacuum seed counter as "vacuum cleaner", nor for sucking liquids.

2.4 Technical Data

H × W × D: 270 mm x 440 mm x 220 mm

Weight: 6 kg

Power Supply: 230 V/50 Hz

Packaging:

H × W × D: approx. 450 mm × approx. 800 mm × approx. 300 mm

Weight: approx. 14 kg

2.5 Assembly

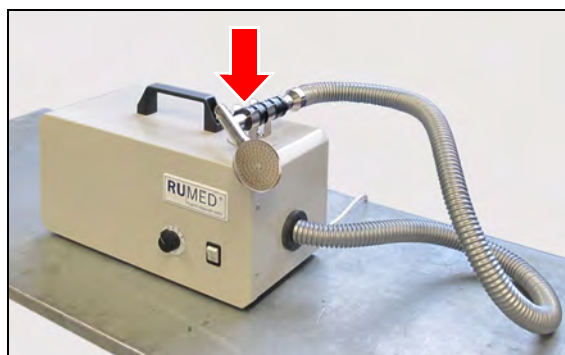
The vacuum seed counter will be delivered completely finished.

The counting head can be replaced by simply removing and inserting it again.

2.6 Transport

The vacuum seed counter is equipped with a carrying handle. Please observe for transport:

- Fasten the connecting hose in the fixing device on the appliance.

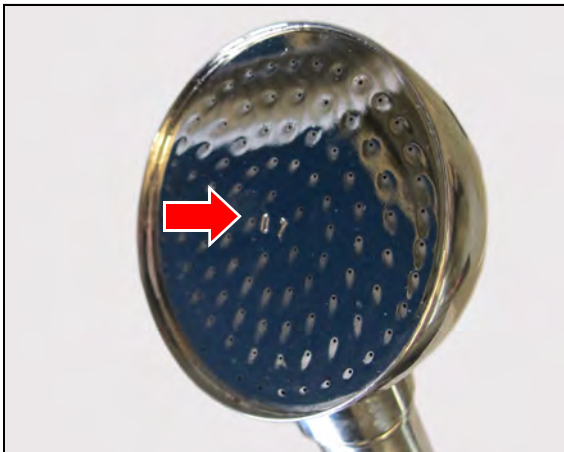


2.7 Operation

1. Chose the counting head with the quantity and the diameter of bores, which is suitable for the seed.

The bore diameter is engraved in the centre of the counting head.

(If you keep the corresponding list up to date, you will find the suitable counting head and its setting value for the suction power controller, *see paragraph 2.11.*)



2. Insert the required counting head.
3. Connect the vacuum seed counter to the socket.
4. Switch the appliance on.
5. Set the suction power at the suction power controller, *see paragraph 2.8.* If you keep the corresponding list, *see paragraph 2.11.*
6. Turn the counting head with the bores upwards.

7. Dump the seed on the counting head.

ADVICE

Never submerge the counting head into the seed, because the empty and light seed would then be sucked first.



8. Turn the counting head by 90 ° and carefully pat the excess seed off.



9. Check, if exactly one grain had been sucked on each bore.
If required, correct it using tweezers.



10. Carefully place the counting head on the germination substrate and actuate the valve.
Suction will be interrupted and the seed is placed on the germination paper.



11. Carefully lift the counting head and release the valve after that.
12. Check, if all grains have been put down (all bores are free).



2.8 Setting of the suction power

Each type of seed requires a different suction power, due to its size, shape and weight.

If sucked seed drops when the counting head is turned, the suction power is insufficient and must be increased gradually.

However, the suction power should not be higher than actually required.

Read the adjusted suction power at the suction power controller and note the value down, which is appropriate for the respective seed, see paragraph 2.11.

2.9 Cleaning

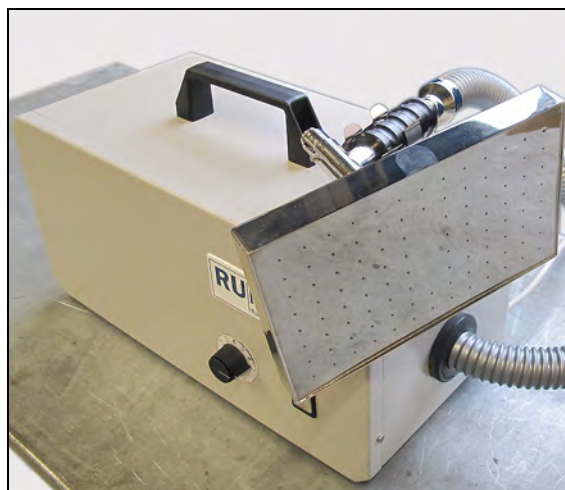
After each change of the sample, the vacuum seed counter must be cleaned.

Observe particularly, that there are no residues, which might contaminate the next sample.

2.10 Accessories

Accessories	Order No.
Counting head 70 mm Ø for tobacco (100 Bores, 0.4 mm Ø, each)	59930-10
Counting head 70 mm Ø for grass (100 Bores, 0.7 mm Ø, each)	59930-20
Counting head 70 mm Ø for clover (100 Bores, 1.0 mm Ø, each)	59930-30
Counting head 70 mm Ø for cabbage (50 Bores, 1.3 mm Ø, each)	59930-40
Counting head 70 mm Ø for wheat (50 Bores, 1.5 mm Ø, each)	59930-50
Counting head 70 mm Ø for peas (25 Bores, 2.0 mm Ø, each)	59930-60
Counting head 70 mm Ø in special design, bore diameter and bores customized	59930-70
Counting head in special design, rectangular, dimensions and bores customized	59930-99

Example Special Design:



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