

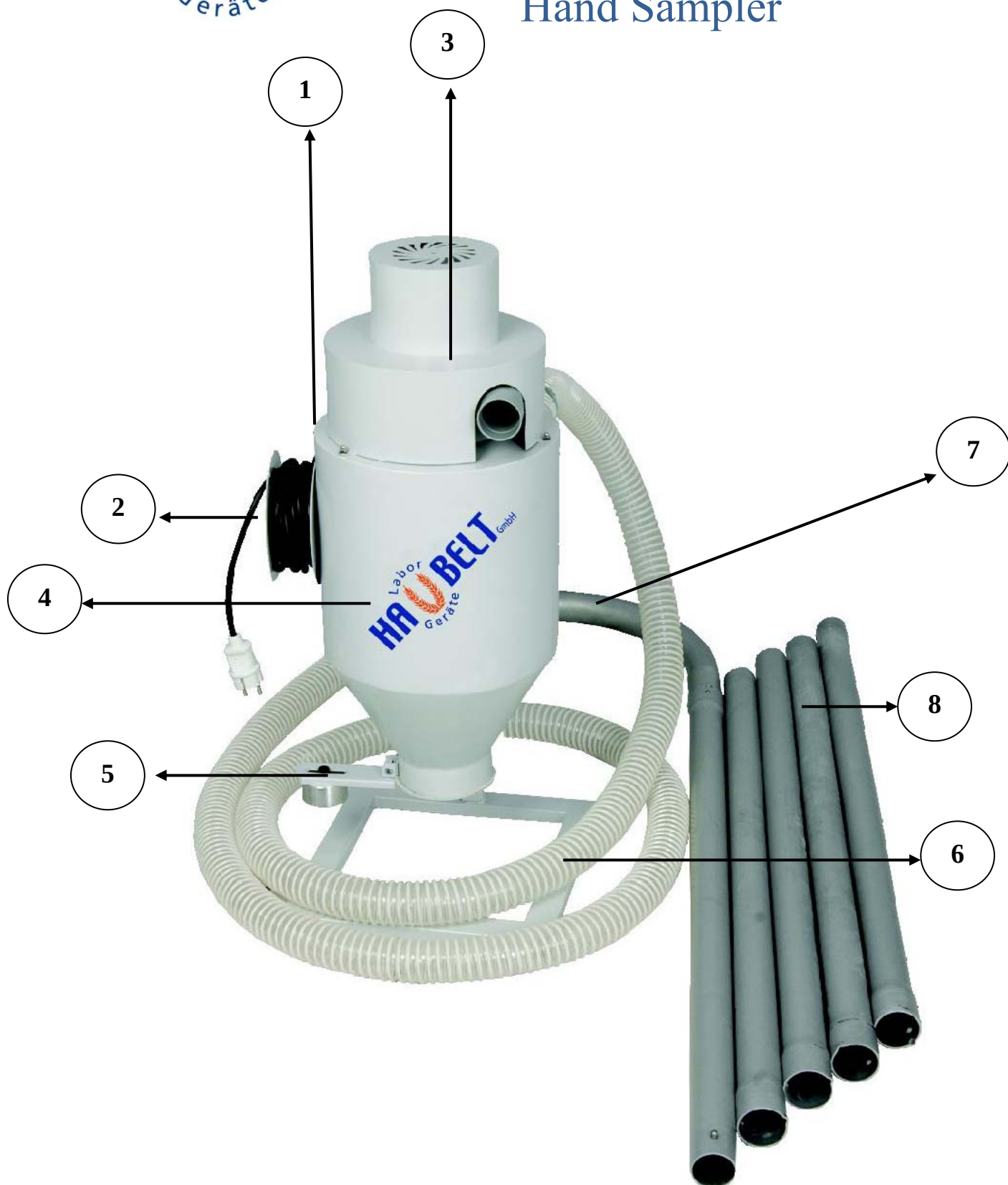
Hand Sampler



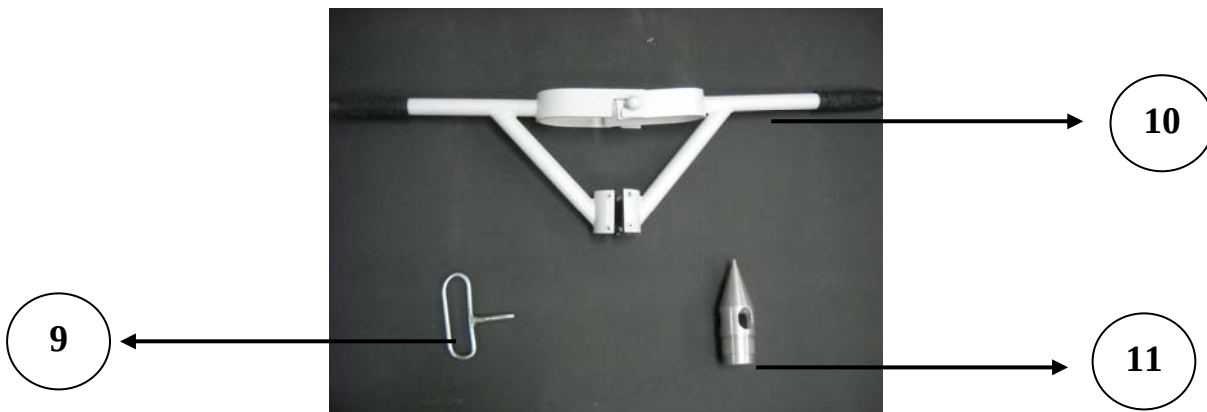
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1. INSTRUMENT INTRODUCTION :

1. POWER ON/OFF

Button to turn on / off the device.

2. PLACE FOR CABLE

For collecting the electro cable

3. VACUUM ENGINE

4. SAMPLE CUP

Metal cup to collect the samples.

5. SAMPLE CUP DOOR

For emptying the samples.

6. TRANSIT HOSE

Special hose to connect via elbow (7) to sample cup

7. ELBOW

90 degree aluminum elbow to connect hose (6) with sample pipes.

8. SAMPLE PIPES

Aluminum pipes can be connected to each other to get samples from deeps.

9. OPENER FOR PIPES

Used to open connected aluminum pipes.

10. HANDLE FOR SINK COLLECTING PIPE

To use for easily sink 2 more connected aluminum sample pipes.

11. PART TO REDUCE INNER DIAMETER OF PIPES

This part is placed in first pipe for get easily small pieces such as wheat.

2. SECURITY POLICY :

Our Company has made principle the quality and security in the fabrication it implemented providing your satisfactory who are our valuable clients as main condition. Our Company continually maintains **research and development** activities by means of its professional staff it established in its scope by closely following the innovations both in the country and abroad for the purpose of increasing the client satisfactory in the devices it manufactured by benefitting from the recent opportunities of technology.

Our Company has registered that it makes production in compliance with the European Standards by obtaining the **CE** (European Standards) certificate.

Security information:

- Check that the machine is not damaged, parts, screws and mechanical parts are connected.. Do not work if machine is damaged or not complete mounted. Please call your seller..
- Use only grounded mains voltage of 220V / 50Hz.
- Please Pay Attention . Your hand must not be wet while you are using the device . Especially when you connect the 220 V cable to the main socket
- Disconnect the power cable by holding the plug
- Device has to be separated from main power or fuse has to be turned off before repairs and alterations are done .
- Device has to be put on hard and flat surface to prevent from fall over
- Device has to be used only from qualified personnel.
- Fluid and flammable material has to be kept away from device
- Don't allow unauthorized people and companies to interfere in the device.
- The user should read and apply the maintenance instruction for operation
- Call for technical service support when you have any problem

Not : All breakdowns and changes of the device should be made by Haubelt Company's technical staff.

3. Apparatus given by device

1. Carrying Hose	5m
2. Hose Cuffs	2 pieces
3. Aluminum sample pipe	5 pieces
4. Aluminum elbow	1 piece
5. Sample pipe key	1 piece
6. Pipe compresion Apparatus	1 piece
7. Pipe narrowing Apparatus	1 piece
8. Sample Chamber	1 piece
9. Pipe Carrying Bag	1 piece
10. User Manual	1 piece

4.Sampling Method

With this device it is possible to get uniform and standart samples in healthy and comfortable way.

The biggest problem for the products to be traded are quality control tests which have to be done each time.

To take standard samples in healthy conditions is not possible every time.

Because:it depends on some factores as below

- Climatic factors
- Vehicle factors
- Personel factors
- Equipment factors
- Time factors

Due to above reasons we could not get healthy and standard samples. Often we could not reach samples which are representing the product. Therefore the results do not represent the product after the tests. Subsequently some conflicts and problems occur between buyer and seller.

For above mentioned reasons the first thing is to take samples which represent the whole product. For this purpose, possible large number of samples (minimum from 3 - 5 points, depending on the amount of samples) should be taken from the product mass.

Climatic Factors: Some problems will occur when taking samples during four seasons which are lived in many countries. These problems are depending on weather conditions such as excessive rainfall, snow, wind, extreme cold or hot weather. .Most of time these mentioned reasons do not allow to take standard samples from the products .

Vehicle Factors : Many countries are using different types of transportation vehicles such as truck and tractor etc. Many times these vehicles properties are out of standart. For example when truck chassis height is more than 2 m , you could not take samples because your length of sampling probe pipe is max. 2 m. In addition to that, sometimes transportation of grain is made by bags. You could not take again samples from bag. All these reasons prevents to take standart sample.

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Personel Factors : One of the biggest problems is non - qualified personal who is using the sampling device. Beside that, some personal does not have enough muscle strength for taking samples, sometimes personal has health problem which is coming from grain , such as itching. or the opposite of an infection (contamination) is opened in front.

Equipment Factors : Most of the mechanical sampling equipments are made from brass and are manufactured in various thicknesses from 1,5 - 2 m length. In addition, during use, sometimes grains are squeezed between the moving mechanism parts and the lifetime is completed in a very short time.

Time Factors : If you are working with old models of sampling models you take a lot of time and increase the labor costs of company.

Our company offers “ hand type automatic sampling device “ to our honored customers. Thanks to this device you can take sample automatically in very short time and in comfortable , healthy way. Samples can be taken very quickly and automatically from different layers of product such as upper, base , midpoint without above mentioned factors

5. Installation Instruction

The device should be put nearest to the sample region as much as possible on a hard and flat surface.

The device has an on / off key, check that the key is in " off " position in order not to start the process of sampling.

Then the power-cable from the device should be plugged to 220 Volt / 50Hz, grounded socket.

A hose is given with the device to be inserted on the body of the device and tighten with the cuffs.

The other side of the hose must be connected to the flat side of the elbow.

Aluminum sample pipes, which are needed according to the depth where the samples must be taken from, are to be taken from carrying bag and attach to the other side of elbow.

If samples are large samples such as nuts, the device is ready to take samples.

If samples are small pieces such as wheat, pipe narrowing apparatus (11) must be inserted to mouth parth of threaded pipe which is in the end then make sure to take small pieces samples.

The installation of the device has been completed and is now ready to take the samples.

Note :

Due to failure above mentioned points, that may occur issues which are not within the scope of guarantee.

6. Sampling Instruction

After installation (the device should be put in the sample region as much as possible on a hard and flat surface)

1. Hold the sample pipes which are connected to aluminum elbow by means of spring pins and press on/off button to start device. The device is now starting the vacuum process.
2. Aluminum pipes must be slowly inserted into sample stack and continued to a stack depth whatever you want.
Samples shall be taken from each layer until the desired depth .
If you want to take samples just from only one depth such as 2 m :
when desired depth is reached, ON / OFF button of device has to be turned off and samples which are taken till desired depth, are to be removed from device by opening the lid of the device. Then device can be started again so samples shall be taken only from required depth. Optionally this mentioned depth should be midpoint, bottom or other depths of stack.
3. If samples are small pieces such as wheat , pipe narrowing apparatus (11) must inserted to the mouth part of threaded pipe which is in the end , then small pieces samples can be taken to sample chamber.
4. Due to the depth increases, sample pipes are hardly pushed in stack but If you insert handle (10) on pipes, you can make this operation without difficulty.
5. When the sampling process is finished , turn on/off button to “off “ position which is located on device body and stop the device
6. Samples collected in the sample chamber can be removed by opening the chamber lid.
7. Quantity of sample is adjusted by the operator, depending on amount of the product quantity, product homogeneity and size of area.
8. After sampling is complete, all aluminum pipes which are connected to elbow, are to be removed and put in pipe carrying bag again.

7. Control and Evaluation of the Sample

Sample chamber of the device is designed as round chamber to prevent damage and breaking of samples. After the sampling process check whether homogenous sample is taken (also represented the sample at the same time) or not.

8. Maintenance Instructions

Please check the sample cup. If sample cup is completely full, vacuum will not occur and vacuum engine may be burned.

Pay attention to this matter !! The device should be emptied by opening the cover of sampling cup after each sampling.

Sampling device consists of: main body, main body connected hose, to the hose connected aluminum elbow, carrying bag;; sample pipes, sample pipe key, pipe compression apparatus and pipe narrowing apparatus.

All parts of device will be cleaned by a damp cloth after taking for each sample.

9.Breakdowns and Solutions

Question :

The sampling device is not running.

Answer :

- Please check and control power cable and make sure that fully seated in the power slot.
- Check connection of power cable sampling device to the 0/1 switch.

Question :

Sampling probe does not make vakuum.

Answer :

- Please check cover of sample cup whether fully closed or not.
- Please check sample cup whether completely full or not.
- The hose is connected to the body of the device, aluminum elbow and sample pipes should be controlled whether they are completely connection or not. Moreover check connection points due to air loss or not.
- Make sure that there is no twist on the hose. If there, please correct.
- Please check the product whether is trapped or not in the sample pipes or hose.
- Check the vacuum engine is running.
- Check the vacuum engine whether air blowing or not.
- Check sample receiving pipes whether blockage is occurred by substances such as plastic bag or not .

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Question :

Sample pipes could not insert to stack.

Answer :

- Check the device is running or not. If the device is not running , pipes can not insert to stack.
- Firstly: device has to be run in order to start vacuum operation, then taking sample with pipes.
- Check the sample way whether empty or not .For this purpose try to make diving from another close area.
- In case of difficulty for hand pulling use pipe compression apparatus.

Question :

- Sample pipes could not be connected.

Answer :

- Check the steel springs in the sample pipes whether in right place and working or not.
- Check connection point of sample pipes whether crashed or not.

Question :

- Small pieces grains could not be sucked in.

Answer :

- Check that pipe narrowing apparatus whether inserted or not.