



HSPS 30 PRE-SEPARATOR

Maintenance Manual

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1. How it works

The **HSPS 30 pre-separator** is designed for capturing the heavier dusts and debris in a workspace before going to a vacuum cleaner or filter unit in order to avoid expanding the impurities in the workspace and being inhaled by people and also to avoid overloading the unit behind it.

The pre-separator is manufactured in steel with wheels in order to move it easily in the dirty areas of the workspace.

2. Product overview



Pre-separator without
filter cartridge
(not for liquids)

Weight :
- 14 kg

Capacity :
- 33 L

Dimensions (mm) :
- 450 x 490 x 840

3. Installing the pre-separator

The unit is delivered partially disassembled.

Install the plastic bag inside the unit and make sure that the locks are secure.

Make sure that the small flexible hose is connected to the top as well as the bottom of the unit

Connect the supplied flexible hose to the inlet of the unit (on the side)

Connect the outlet of the unit to the vacuum cleaner.

4. Start-up

How to start the device:

The machine is intended for pre-separating dry, not combustible dust.

The pre-separator must be attached to a vacuum cleaner with right capacity. When the vacuum cleaner is started, the dust-laden air is then sucked through the inlet valve at high speed via the suction hose.

The air is slowed down by the cyclone and coarse dust particles are separated out, partly by centrifugal force and partly by gravity. Air and finer particles then lift through the tank and through the hoses attached to the vacuum cleaner.

The separated dust accumulates in the cyclone until the vacuum cleaner is switched off, when it drops through the bottom flap into the plastic bag.

5. Use

The construction guarantees a safe and reliable functioning without continuous servicing or special handling. Make sure that the wheels are not blocked or covered with dirt to ensure balance and self-supporting properties for an easy manoeuvring during the operation.

6. Trouble Shooting Guide

The pre-separator is designed and manufactured for a severe environments and tasks, but the user must note that the machine components must be protected from knocks and blows. Sealing connections are carefully chosen for the environment of the operator. Therefore, the machine must be handled with care if it is to work for many years.

Problem	Cause	Procedure
Poor suction	Damage to the hose	Change hose
	Top cover loose	Adjust
	Dirt in the flap	Clean the flap.
	Sealing defective	Use protective equipment Change current seal

7. Maintenance and Repair

When cleaning and servicing the machine, the machine must be disconnected from the vacuum cleaner and :

- Avoid cleaning with high a pressure cleaner. If this is necessary, do not direct at the openings on the machine, especially the opening for the cooling air.
- Before moving the machine from the work area, the machine must be cleaned. Furthermore, the inlet must be locked using the expanding plug attached.
- All other equipment must be regarded as contaminated and be treated thereafter.
- If possible, use a special suitable room.
- Proper individual protective equipment must be used.
- If the vacuum cleaner has to be used for other purposes, it is extremely important that the vacuum cleaner is cleaned, to avoid the dispersion of hazardous dust.

8. Safety

Make sure the assembly area is firm, so the pre-separator does not tip over. Risk of personal and material injury.

Risk of pinching when handling the toggle fastener.

The machine must not be used in environments where explosive gases may be present. Serious risk of explosion.

Dust can be spread when cleaning the device that can be dangerous to health. Accordingly, the user should wear proper individual protective equipment (glasses, protective gloves, and a breathing mask) according to protection class FFP3.

Do not puncture the inner bag. Risk of dust dispersion.

The pre-separator will not bring any risk under the condition that it is used correctly in compliance with the intended use of the device.

The pre-separator can only be used with dry, non-explosive materials.



Wrong use of the equipment could result in an uncontrolled detachment of the device and cause serious risk to personnel / people in the vicinity.

9.Storage and Transport

The pre-separator has to be stored and transported in partly disassembled state in special packages. The devices ought to be stored in a dry and well ventilated area. During the transport / reloading protect the device from scratches, indents and pay attention that the markings and labels do not get detached.

10. Reservations of Producer

- A. It is unacceptable to install on the structure of the unit any additional elements that don't belong to its normal construction or accessory set.
- B. It is inadmissible to install the pre-separator directly to the ventilation installation, as it is usually not constructed to carry such charges during the operational use of the device.
- C. Protect the flexible elements from mechanical damage.
- D. Prior to installing check the load capacity of the unit compared to the work that is to be done.

11. Terms of Warranty

All pre-separators and accessories have a 12-month factory warranty for material and manufacturing defects. Do not attempt to repair the suction apparatus without the consent of the manufacturer.

The warranty does not cover defects which are the result of normal wear and tear, negligence, defective use, unauthorized repair or the suction apparatus being connected to the incorrect voltage.

In the event of any complaint, the suction apparatus or an agreed part of it must be returned to us or our authorized representative for warranty examination and for any warranty repair or replacement.

12. DISMANTLING & RECYCLING



When dismantling a unit, be sure to keep in mind the following important information :
As the unit is dismantled, set aside all still functioning parts in order to re-use them on another unit.

You should always separate the different materials depending on their type : iron, rubber, oils, greases, etc...

Recyclable parts must be disposed of in the appropriate containers or brought to a local recycling company.

The rubbish must be collected in special containers with appropriate labels and disposed of in compliance with the national laws and/or local legislations in force.

CAUTION! It is strictly forbidden to dispose of toxic wastes in municipal sewerage and drain systems. This concerns all oils, greases, and other toxic materials in liquid or solid form.

13. Spare parts

For spare parts please contact Formula Air Group.

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