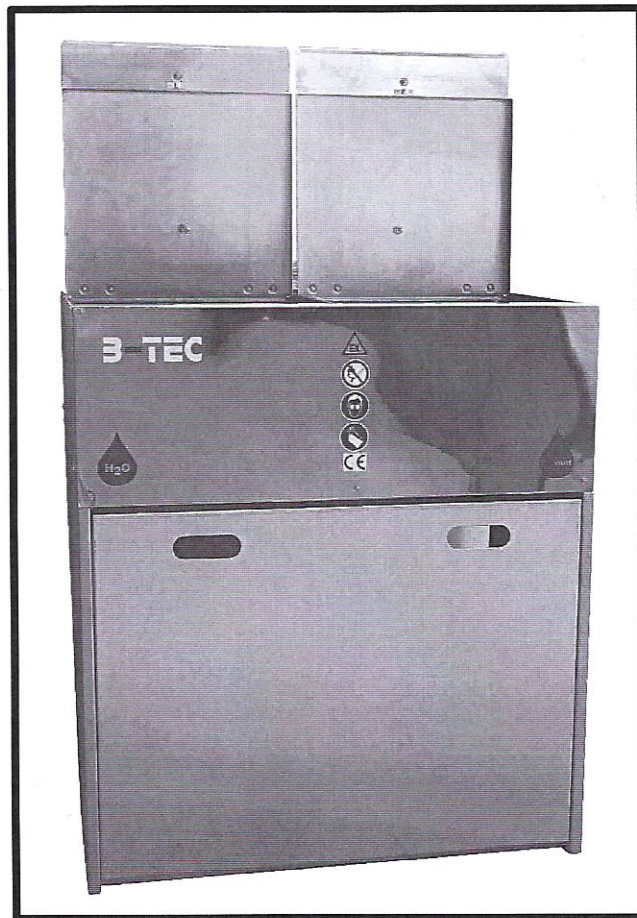


B-TEC®

RST-800

Collecting Station for Waste Paint



Operating Manual
for Collecting Station for Waste Paint RST-800
– Translation of German Original Document –

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1. Important Information

Thank you for the trust you placed in us by purchasing this B-TEC product. On the machines type plate you find the exact type designation and serial number to ensure good service and shipment of spare parts. The cleaners have been designed and manufactured to the highest quality standards for best operational safety.



Read this document carefully before putting the machine into operation and keep it for future reference.

On page **Fehler! Textmarke nicht definiert.** of this manual, there is a form for documenting the safety inspections to be carried out at regular intervals. The form has to be filled in by specialist technicians (persons with sufficient knowledge and experience or manufacturer's technicians) or experts (e.g. engineers or Technical Control Board experts).



A safety inspection must be carried out before commissioning and at least once a year.

B-TEC machines are to be used solely in accordance with the intended use. Usage not in accordance with the intended use as well as unauthorised modifications invalidate the liability of the manufacturer for any damages resulting from this. Detailed information regarding intended use as well as liability and warranty can be read in section 1.3 and 1.4.



The B-TEC machines are only to be used according to the intended used. Improper use of the machine can endanger the health of the operator.

1.1. Explanation of the Symbols

To directly draw attention to important information in this operating manual, the symbols "Caution!" and "Notice!" are used. Please note that paragraphs with these symbols need particular attention.

Caution!



You will see this symbol whenever attention is drawn to situations in which danger to life can arise due to or during incorrect or improper operation. Pay special attention to these symbols and act carefully.

Notice!



You will see this symbol in the operating manual whenever your attention is being drawn to correct work procedures, economic ways of operating or when the machines may be damaged by incorrect operation.

1.2. Operating Instruction

The responsible person within the company where the machine is placed has to create operating instructions in accordance with the "Occupational Safety and Health Regulations" applicable in the respective country. The operating instructions must be adapted to the cleaning fluid used and country of application.

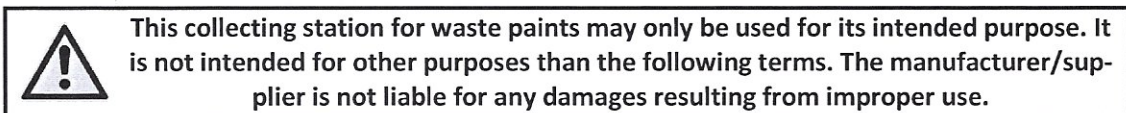
1.3. Liability and Warranty

The cleaning machine is state of the art, tested and operationally safe. Liability for the function of the machine is transferred to the operating company, if the machine is improperly maintained or repaired by persons who are not authorised by the manufacturer and / or supplier, or if it's used against the

intended use and the instructions of the user manual. The operator is obliged to operate the machine only when in immaculate condition. The manufacturer is liable for errors or omissions - to the exclusion of further claims - only within the scope of the statutory warranty obligations. We reserve the right to make technical changes any time for continuous development and improvement of our products. Such changes, mistakes and misprints do not constitute a claim for damages. Only original spare parts and accessories are to be used. The manufacturer and / or supplier is not responsible for damages caused by ignoring the instructions in this operating manual. Warranty and liability conditions of the manufacturers and / or supplier sales and delivery terms are not extended by the above notes.

B-TEC warrants its products to be free from defects in materials and workmanship, for a period of 24 months on a one shift basis. In case of exceptional usage such as multiple-shift operation, the statutory warranty is shortened to 12 months (two-shift operation) or 8 months (three-shift operation). The period starts from the date the machine is shipped from the factory. The guarantee expires prematurely if the customer or a third party undertakes inappropriate modifications or repairs or if the customer, in case of a defect, does not immediately take all appropriate steps to mitigate the damage and give the supplier the possibility of remedying such defect.

1.4. Intended Use



The intended use of this product is to collect waste paints e.g. from mixing bowls or the like in hobs for disposal.

This product does not have any ignition source and is therefore not subject to ATEX-Directive 2014/34/EU. Operation in an ex-zone (e.g. zone 1) is therefore possible.

Improper use of the product can endanger the health of the operator and of others and cause damage to the product itself or to other objects. Any other use of the product must be agreed and approved with the manufacturer in advance.

1.5. Requirements to be the Operator

The product may only be used by competent personnel who, by virtue of their training, knowledge or experience, ensure proper handling and are aware of the dangers (for example, by reading the operating manual).

2. Safety Requirements

2.1. General Safety

The product is built according to the state of the technology and can be operated safely. However, this does not mean that the consequences of all operational failures are protected by technical measures. Dangers can arise from this product if it is used improperly or incorrectly. However, additional organisational measures have to be taken into account for certain workflows, such as the removal of residual paint from the gun.

- Always keep the manual available in the immediate vicinity of the product.
- The product may only be operated by trained personnel. Operators under the age of 18 are only allowed to operate the product when under supervision of an expert.




For some users, hazard assessment activity restrictions may result, e.g. for persons with chronic respiratory problems or allergic diseases as well as for pregnant women or nursing mothers.



For the correct operation of the product, the safety and operating instructions are valid in all cases. These must be read carefully and followed strictly!

2.2. Operational Safety

 **Follow the information and warning signs attached to the product.**

- The product may only be operated, if:
 - the integrated suction system (Venturi system with flexible exhaust hose) is connected and the resultant (solvent-) fumes are safely discharged to the outside in the free air in order to avoid fire, explosion and health hazards. See section 6.1.
 - grounding / earthing is ensured using a grounding cable (potential equalisation)! Connection must be carried out by a specialist. See section 6.3.



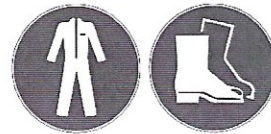
- In all cases, the local safety and accident prevention rules for the use of the product must be followed.
- Fire, naked flame and smoking prohibited.
- Open fires and other sources of ignition (e.g. due to grinding or welding, any flying sparks) are not allowed within a radius of 1 metre around the product. This applies also e.g. for lighting and fans as well as the associated electrical components.
- Depending on the cleaning application, use the required personal protective and chemical resistant protective equipment. The minimum required protective equipment is eye protection and gloves. Optionally protective clothing and safety shoes are recommended.



Minimal requirement:



Optional:



- Ensure that clothing (especially footwear) is conductive.
- Do not place the protective equipment on the product.
- In the event of a fire, immediately stop the compressed air supply and close the door of the product.
- Compliance with country-specific workplace exposure limits legislation according to safety data sheets must be documented.
- The limit values of the country specific air pollution and adherence thereto must be observed.
- If the product is not used, the door must always be closed for safety reasons.
- Do not eat or drink near the product. Clean your hands before eating any food or drink after working. Danger of poisoning!

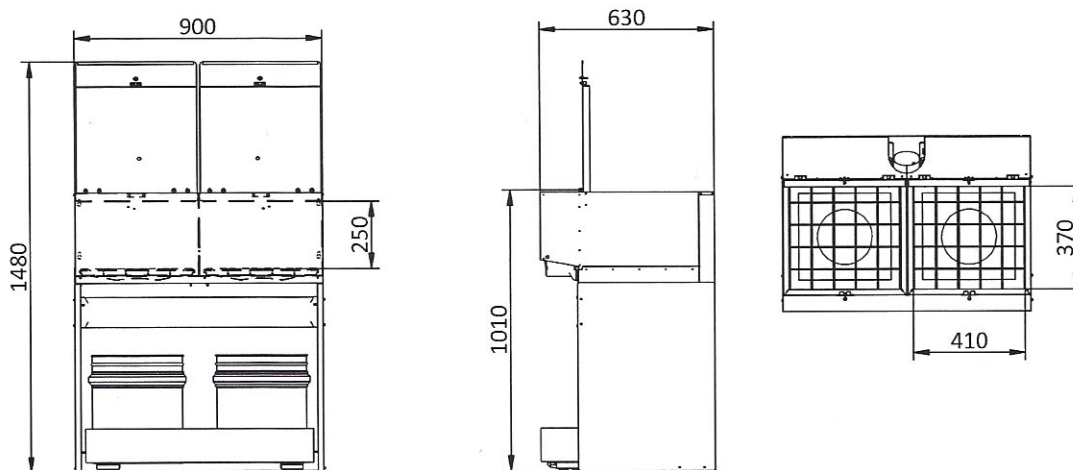
2.3. Hazards from Pneumatic Energy

Only specialists with expert knowledge and experience may work on pneumatic products. When working on pneumatic systems, these must be disconnected from the air supply and de-pressurised in order to prevent injury.

3. Technical Description of the Product

The RST-800 is a draining and collecting station for waste paints. Containers with waste paint can be placed upside-down in the product. The waste paint drains and is being collected in hobbocs for proper disposal.

The product has a strong exhaust suction system that switches on and off automatically as soon as the products' door is opened or closed. The product is operated exclusively by pneumatic parts.



3.1. Technical Data

Compressed air connection

Operating pressure:	max. 6 bar
Compressed air demand:	150 l/min

Acoustic emission

Average level of acoustic emission:	78 dB(A)
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Exhaust air flow rate

Total at 0.2 m/s:	270 m ³ /h
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Product dimensions

Product outside (Width × Height × Depth):	900 × 1010 × 630 [mm]
Draining chamber (W × H × D):	410 × 250 × 370 [mm]

Size of the container below the product

2 × hobbock 25 litres.

3.2. Spare Parts Ordering Numbers

Flow adjuster	10000582
Roller valve for activation	10000620
Air suction nozzle	10000415
Compressed air connection plug	10000908
Double ball catch	10000467
Grounding / earthing cable	10000958
Exhaust hose aluminium 125 mm	10000644
Draining grid	On request

4. Zone and Product Classification according to ATEX

This product does not have any ignition source and is therefore not subject to ATEX-Directive 2014/34/EU. Operation in an ex-zone (e.g. zone 1) is therefore possible.

In accordance with legal requirements, the ATEX zone definition around the product and creation of an explosion protection document comes under the responsibility of the "responsible person of the company" where the product is placed as this classification is subject to the cleaning fluid used and various conditions such as ventilation.

However, at this point the operator should be supported with general advice to comply with this obligation. Helpful advice can also be found in EN 12921-1 and -3 and EN ISO 80079-36.

If using the product with flammable fluids, the following zone designation has to be considered:

Zone 1→The interior of the product

Zone 2→Surroundings within 1.0 m

Mark the different zones with appropriate warning and prohibition signs. Markings on the floor can be helpful. In the area surrounding the product, open flames and other ignition sources (e.g. welding or grinding equipment) are not allowed. In addition, smoking is prohibited. Temporary work causing ignition sources must be approved in writing and appropriate additional safety measures must be applied (e.g. remove all combustible materials; firefighting equipment must be on hand in the working area.)

5. Requirements for the Installation Site

- Horizontal industrial floor with electrical resistance of max. 10^8 Ohm.
- Dry and protected from frost.
- Very good technical room ventilation with 5-7 air changes per hour (Depending on local regulations).
- Do not install or operate the product within a radius of 1.5 m from heat sources.
- Ensure an ambient temperature of 5 °C – 40 °C and do not expose the product to direct sunlight, as this carries a risk of overheating.
- Follow the relevant legislative and regulatory safety instructions regarding substances hazardous to water applicable in the country where the product is installed.
- Follow the safety regulations according to zone designation.

Space Requirements for Operation and Maintenance

The product can be placed against the wall or in a corner. A 1.5 m space should be provided in front of the product.

6. Transport and Installation

The product is delivered packed. Unpack the product outside an explosive atmosphere and bring it to the installation site. Install the product as described in the following sections.


6.1. Exhaust Ducting

The exhaust air hose must be integrated in the exhaust system at the installation site and must be routed outdoors properly into the so-called "free air space". Place the exhaust air hose vertically, a minimum of one metre for optimal function of the exhaust system and stretch the hose as far as possible in order to avoid a reduced cross-section. In this way optimal exhaust suction will be achieved. Ensure that fumes are not directed into areas where people are likely to be. The exhaust air has to be led away safely. That means according to ATEX and especially not into flues serving furnaces or fireplaces and not into the exhaust ducts of spraying and drying cabinets. In case the exhaust system conditions at the installation site require a longer exhaust air hose or the instructions in how to route the exhaust air system cannot be complied with, please contact an ATEX-ventilation system specialist to ensure safe operation.

It's recommended not to connect the product directly to a rigid pipe. Use at least 30-40 cm of the flexible B-TEC exhaust hose to ensure that the product can be relocated or repaired conveniently if necessary.

Diameter of exhaust hose: Ø100 mm

The exhaust air flow rate can be adjusted at the flow adjuster as needed depending on the length of the duct.

 **Caution! Only use original B-TEC exhaust air hoses! Risk of fire! Do not use plastic hoses!**

6.2. Compressed Air Connection

A compressed air supply is needed for the product.




Operating pressure max.: 600 kPa (6 bar , 87 psi)

Operating pressure min.: 500 kPa (5 bar , 73 psi)



A pressure regulating valve (Item no.: 10000619) has to be fitted if the compressed air connection exceeds the required operating pressure. Use only **dry and oil-free air!**

6.3. Grounding / Earthing

 **The product has a grounding / earthing connection and may not be operated without being grounded!**

The product has a grounding / earthing cable, which needs to be grounded / earthed safely by a competent person (e.g. electrician). **Customer-provided containers have to be grounded separately!**

After proper installation and mounting of the exhaust hose, connection to the compressed air supply and grounding, the product can be commissioned.

- Technical changes and errors reserved. All pictures similar -

7. Commissioning



Commissioning may be done only after reading and following the operating manual carefully! Commissioning performed without following the operating manual and complying with all applicable regulations can lead to damage to persons, property, or the environment. Wear personal protective clothing. See section 2.2 - Operational Safety.

After proper installation (Section 4 & 5) and mounting of the exhaust hose (Section 6.1), connection to the compressed air supply (Section 6.2) and grounding (6.3), the product can be commissioned.

Place 2 × hobbock centred underneath the draining openings to ensure proper draining. It is recommended to use bags in the hobbocks for easy disposal.

8. Operational Procedure

Open the main door. The exhaust suction system starts working automatically. Place the containers with waste paint upside-down in the product. Ensure placement as centred as possible to ensure proper draining

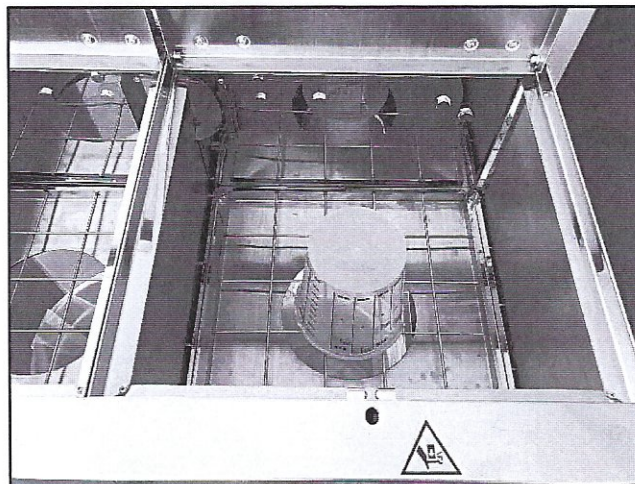


Figure 8-1

When all containers are placed, close the main door again. The exhaust suction system stops automatically.



Do not allow the doors to slam shut! All doors must be handled carefully and with caution by the user!



The filling level of the hobbocks has to be checked regularly to avoid overspilling material.

9. Care and Maintenance



The product has to be disconnected from the compressed air supply before any repair work!

Clean the draining grid and the interior walls of the product regularly. Clean any residue out of the drain pan, in order to ensure reliable drainage and permanent sufficient flow capacity in the drain.



The warranty is invalidated, if other than original B-TEC replacement parts are used!

Customer service: Contact your dealer or directly: B-TEC GmbH
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31303 Burgdorf / Ehlershausen
Germany
Tel.: +49(0)5085-97100-0
Fax: +49(0)5085-97100-30
Email: info@btecsystems.de
www.btecsystems.de

10. Disposal

- If the product shall be disposed of, please contact B-TEC or your dealer and request an appropriate quotation or the requirements for proper disposal.
- The product must not be disposed of as domestic waste, but should be disposed of as hazardous waste depending on the degree of soiling. Contact your local authority for support.