

CLOUTH DOCTOR-CHECK

The CLOUTH DOCTOR-CHECK is a testing and adjustment device for pneumatic doctor blade holders used in paper machines.

Please observe the following safety instructions to prevent injury.



Safety Instructions



Improper use may result in injury caused by suddenly escaping compressed air or loosening hose connections.

- Never operate the device unattended while it is under pressure.
- Connect only to compressed air supplies with a maximum pressure of 6 bar (≈87 psi).
- **Before connecting:**
 - Fully close all pressure regulators.
 - Set the toggle switch to the venting position.
- **Before disconnecting any hose connections:**
 - Shut off the compressed air supply.
 - Completely vent the device.
 - Check that the pressure gauge reads 0 bar (0 psi)
- The device may only be operated by qualified and trained personnel.
- Keep unauthorized personnel away from the work area.
- Observe the manufacturer's specifications for the pneumatic doctor blade holders being used.

CLOUTH DOCTOR-CHECK



Specifications

Size: 27.1 × 24.8 × 12.3 cm

Weight: 2,5 kg

- Pressure regulator with built-in pressure gauge (Operating pressure up to 6 bar)
- Toggle switch with integrated venting function
- Hose couplings with quick-release mechanism
- Splash-proof carrying case

Intended Use

The CLOUTH DOCTOR-CHECK is intended exclusively for:

- Aligning pneumatic doctor blade holders
- Inspecting the movement of the cover plates
- Testing the airtightness of pressure hoses

Before each use, the allowable operating pressure for the specific type of doctor blade holder must be checked according to the manufacturer's specifications.

The device allows the application of compressed air to the approach and lift hoses either individually or simultaneously. When pressurized simultaneously, the cover plate is aligned parallel to the bottom pan, enabling correct adjustment.

Improper Use

Improper use includes, in particular:

- Use outside the described functions
- Connection to compressed air sources exceeding 6 bar (≈87 psi)
- Operation by untrained personnel
- Use without appropriate personal protective equipment (PPE)
- Unauthorized modifications to the device

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Delivery

Upon delivery, immediately check for completeness and any visible transport damage. Any damage or discrepancies must be reported to the manufacturer without delay.

Transport

The device must be protected from shocks, drops, and other mechanical impacts.

Storage

The device must be stored in a dry, clean environment, protected from moisture. Storage in aggressive or heavily contaminated environments must be avoided. Before use, the device should be inspected for visible damage.

Operation

Before each use, the device should be inspected for visible damage.

Control Panel



Item	Designation
1	External compressed air connection
2	Pressure regulator for operating pressure
3	Compressed air outlets for connection to the pneumatic doctor blade holder
4	Pressure regulator for the pressure hoses in the doctor blade holder
5	Toggle switch for pressurizing and venting the pressure hoses in the doctor blade holder
6	Pressure gauge (max. 6 bar / ≈87 psi)

Start-up

- Before connecting to the external compressed air supply, both toggle switches (5) must be set to ON/OFF toward the pressure gauge.
- The pressure regulator (2) must be closed.
- Connect an external compressed air supply line to the CLOUTH DOCTOR-CHECK (1), but do not open/pressurize yet.
WARNING: Maximum connection pressure 6 bar (≈87 psi).
- Using the adapter hose from the CLOUTH DOCTOR-CHECK (3), connect the pressure hoses of the doctor blade holder, toggling OFF/ON as needed.
- Set the desired operating pressure on the pressure regulator (2) using the pressure gauge (6). This pressure corresponds to the maximum pressure to be applied to the doctor blade system.
- Supply external compressed air (1).
- Adjust the pressure on the gauge to 0.8 bar (≈12 psi).
- Move both toggle switches (5) to the up position ON/OFF. The toggle switches can also be operated independently:
 - ON (5) → ON (3)
 - OFF (5) → OFF (3)
- Use the pressure regulators (4) to control the air pressure in each of the doctor blade holder's pressure hoses.

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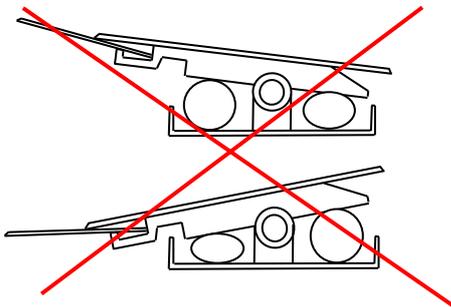
Adjustment Instructions

For correct alignment, the cover plate must be parallel to the doctor blade bar.
To check, pressurize both air hoses to the same pressure (e.g., 0.8 bar / ≈12 psi).

Correct



Incorrect



- **If the angle is too steep**
Remove the bearing brackets from the roller surface.
- **If the angle is too shallow**
Lagerkonsolen näher an die Walzenoberfläche heranzuführen.

The doctor blade holder must be parallel to the roller.
The approach and lift speed is adjusted using the pressure regulators (4) to prevent damage.

Maintenance and Cleaning

The CLOUTH DOCTOR-CHECK is maintenance-free.
To clean the carrying case, use a lightly damp, non-abrasive cloth. Do not use aggressive cleaning agents.

Spare Parts

Do not make any modifications to the CLOUTH DOCTOR-CHECK. Only use original replacement parts, as these meet the technical requirements and ensure safe operation. Have the device designation ready when placing orders.

Disposal and Environmental Protection

Packaging materials are recyclable. Dispose of the device and packaging in accordance with local legal regulations.

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