

Assembly instructions

Funnel washer Flexi

1. Introduction:

Dear Customer, please read this manual carefully prior to first use and act accordingly. Keep the manual in a safe place and pass it on to any future user.

Warranty: 12 months when maintained properly and used as intended! Parts subject to wear and tear are excluded.

Liability: Each user shall be responsible to use and maintain the funnel washer in a responsible manner.

The manual shall be directly accessible to the user to ensure proper operation and in particular to ensure the compliance with the safety instructions.

2. Use:

The funnel washer is intended for cleaning round, inside plastic reinforced PU exhaust shafts in pigsties and poultry houses. The device can be used in shafts with a diameter of 50 to 90 cm. The device needs to be connected to the spray gun of a high-pressure cleaner with a max. operating pressure of 120 bar. Use only water as cleaning agent. Use warm water (up to 40 °C) to enhance cleaning effects. Clean shafts from below while the user is standing beside the shaft. The funnel washer must only be operated by trained persons who are fully acquainted with the device functions.

3. Components:

The funnel washer is delivered fully assembled and consists of the following components:

- a. Aluminium rotating spray head with black spacers and fitted set of nozzles
- b. Nozzle Set 1 consisting of 6 fan nozzles HDF40020 for water output from 1,300 to 1,800 litres / hour or Nozzle Set 2 consisting of 6 fan nozzles HDF40035 for water output from 1,800 to 2,400 litres / hour
- c. High-pressure hose with ¼" outer thread + 1x KEW plug-in nipple
- d. Flat seal ¼"
- e. PE support tube 32 mm black

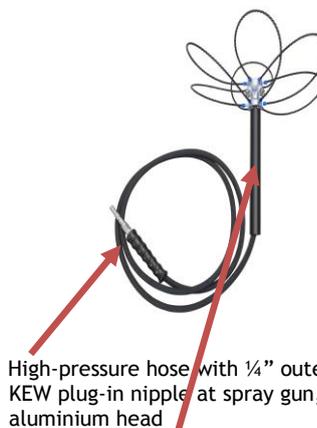
4. Assembly prior to first use

Depending on the order, the aluminium head is either fitted with Nozzle Set 1 or Nozzle Set 2. The black PE tube is placed on top of the high-pressure hose. The high-pressure hose is bolted to the ¼" outer thread with aluminium head by using an open-end wrench size 19. Screw the black PE tube manually into the aluminium head. Connect the end of the hose with KEW connection to the high-pressure spray gun. Check the stability of screw connections and leak-tightness of the system prior to first operation using the standard water pressure of max 3 bar.

Please make sure that the fitted set of nozzles is suitable for the water output of the high-pressure cleaner. Failure to observe these instructions may cause the high-pressure cleaner or funnel washer to malfunction and may endanger the user!



Screwed in nozzles, position 45°



High-pressure hose with ¼" outer thread + 1x KEW plug-in nipple: bolt KEW plug-in nipple at spray gun, ¼" outer thread together with aluminium head
PE-tube manually fitted with aluminium head

5. Functions:

Connect the prior assembled funnel washer to the spray gun. Afterwards insert the funnel washer vertically from below by using the black PE support tube. In doing so the nozzle head points upwards and the tube downwards. Guide the funnel washer along the fan or throttle valves. First start the high-pressure cleaner, then start the funnel washer by activating the high-pressure spray gun. Giving more high-pressure tube allows the funnel washer to move upwards inside the shaft by itself. Stop the funnel washer 1 m below the top edge of the shaft. Measure the shaft beforehand and mark the tube to avoid that the funnel washer moves up too far. Hold the hose tightly during cleaning operation because the funnel washer moves independently. Releasing the tube entirely enables the funnel washer to shoot upwards and out of the shaft, possibly causing damages what must at all events be avoided. Clean the shaft by slow upward and downward movement of the funnel washer. After completion of the cleaning process pull the funnel washer down, stop pulling just before reaching the end of the shaft. Switch off spray gun and remove the device. Switching off the funnel washer too early causes the device to fall down what may endanger the user or cause damage to fans, covers or the device itself. Do not use the funnel washer outside of exhaust air shafts.

6. Safety Instructions:

Safety features protect the user and functions must neither be deactivated nor bypassed.

Please observe the following safety related instructions before commissioning and during operation:

- The workplace of the user must be suitable for safe use and operation.
- Cleaning staff must only operate the device while standing firmly on the ground. It is strictly forbidden to use the cleaner while standing on ladders, platforms or on any other elevated positions!
- Wear protective clothing when using the device, at least rubber boots, waterproof overall protective clothing including waterproof textile gloves as well as safety glasses and safety helmet.
- Do not use any additives.
- Reaction of sprayed liquid with items to be cleaned must be safe. Use with caution when working in enclosed spaces due to possible presence of gases and vapors.
- Switch off and disconnect from power supply and remove hose during maintenance and repair work!
- Handle the high-pressure tube in a proper manner to avoid bending, damage, passing over or destruction.
- Replace defect high-pressure hoses by original hoses. Hoses must comply with „The Directive for Use of Liquid Blasters“. Therefore it is not permitted to use hydraulic hoses.
- The spray gun trigger must not be locked in ON-position.
- Secure spray gun by using the security lock during work breaks. The security lock of the spray gun prohibits the unintended activation of the device.
- Do not direct the water jet at people or living animals.
- It is not permitted to use the device in explosive environments. Use in dangerous areas (e.g. gas pumps) is forbidden.
- Do not use when other persons are in reach of the device. Do not direct the water jet at yourself or other persons.
- The water jet emitted by the high-pressure nozzle causes reaction force. Care for safe standing position and hold spray gun and tube of the funnel washer with both hands.
- A qualified person (customer support) must check the high-pressure cleaner every 12 months to ensure the continuous safe operation.
- The black flexible spacers are wear parts and need to be checked regularly, at least following each use, for damages and firm position and must be replaced immediately when showing minor damages or even breaks. It is not permitted to use the device with defect or loose spacers.
- Repairwork must be done by qualified persons only. Apart from that the following operating regulations do apply:
" The Directive for Use of Liquid Blasters" (Richtlinien für Flüssigkeitsstrahler) available at: Carl Heymanns Verlag, Gereonstraße 18-32, 50670 Köln
- In addition to the always present reaction force a torque effect at the wrist joints occurs during spraying operation.

Use only accessories and spare parts approved by MEIER-BRAKENBERG.

□ Do you need more information? Call us! Tel.: +49 (0)5262 / 99399-0