

# Safety Instructions for High Pressure Cleaners

**Please read these instructions carefully before using the appliance!**

Please read the operating instructions for your machine before using it, and pay particular attention to the following safety instructions.

Warning and information plates on the machine provide important directions for safe operation.

Apart from the notes contained herein the general safety provisions and rules for the prevention of accidents of the legislator must be observed.

## **Power connection**

The voltage indicated on the type plate must correspond to the voltage of the electrical source.

Minimum fuse strength of the socket (see Technical Data).

Safety class I - Appliances may only be connected to sockets with proper earthing. It is recommended that you connect this device to a socket that has a 30 mA protection switch against wrong currents.

The appliance may only be connected to an electrical supply which has been installed by an electrician in accordance with IEC 60364.

Operating procedures create short term power sinkings.

During unfavorable net conditions other devices might be disturbed.

With a net impedance lower than 0,15 Ohm no disturbances are to be expected.

Check the power cord with mains plug for damage before every use. If the power cord is damaged, please arrange immediately for the exchange by an authorized customer service or a skilled electrician.

Please use the mains cable prescribed by the manufacturer; the same is also applicable when you replace the cables. See Operating Instructions Manual for Order Number and Type.

Never touch the mains plug with wet hands. Make sure that the power cord or extension cables are not damaged by running over, pinching, dragging or similar. Protect the cable from heat, oil, and sharp edges.

The extension cable must have the cross-section listed in the circuit plan and be protected against spraying water. The connection must not lie in water.

The plug and coupling of the extension cable used must be watertight.

Unsuitable extension cables can be hazardous. Only use extension cables outdoors which have been approved for this purpose and labelled with a sufficient cable cross-section:

If couplings of the power cord or extension cable are replaced the splash protection and the mechanical tightness must be ensured.

## **Water connection**

Please observe the safety instructions of your water supply authority.

Please ensure that screw connections of all hoses are not leaky.

The high pressure hose must not be damaged. A damaged high pressure hose must be replaced immediately. Only hoses and joints recommended by the manufacturer may be used. See Operating Instructions Manual for Order Number.

## **Application**

The machine with working equipment must be checked to ensure that it is in proper working order and is operating safely prior to use. Otherwise, the appliance must not be used.

*Never draw in fluids containing solvents or undiluted acids and solvents! This includes petrol, paint thinner and heating oil. The spray mist thus generated is highly inflammable, explosive and poisonous. Do not use acetone, undiluted acids and solvents as they are aggressive towards the materials from which the appliance is made.*

If the appliance is used in hazardous areas (e.g. filling stations) the corresponding safety provisions must be observed. It is not allowed to use the appliance in hazardous locations.

The appliance must provide of a stable ground.

Wear ear plugs if the operating instructions of the appliance (Technical data) mention a noise level of more than 80 dB(A).

All current-conducting parts in the working area must be protected against jet water.

The lever of the hand spray gun must not be locked during the operation.

Wear appropriate protective clothing to protect yourself from spattering parts.

Never direct the water jet on human beings, animals, the appliance or electrical parts.

The jet must not be directed at other persons or directed by the user at him/herself to clean clothing or footwear.

Vehicle tyres/ tyre valves may be cleaned only with a minimum spray distance of 30 cm. Otherwise, the high pressure spray can cause damage to the vehicle tyre/ tyre valve. The discolouring of the tyre is the first sign of damage. Damaged vehicle tyres are a source of danger.

Do not spray materials containing asbestos or other health-hazardous substances.

Use only those detergents approved by the manufacturer of the appliance.

Do not use the recommended detergents in an undiluted state. The products are safe

for operations as they do not contain any environment hazardous substances. If the detergent comes in contact with the eyes, please rinse the eyes thoroughly with water and consult a doctor immediately if the detergent has been swallowed.

Store detergents away from the reach of children.

Do not open the hood when the motor is running.

## **Operations**

The operator must use the appliance properly. The person must consider the local conditions and must pay attention to third parties, in particular children, when working with the appliance.

The appliance may only used by persons who have been instructed in handling the appliance or have proven qualification and expertise in operating the appliance or have been explicitly assigned the task of handling the appliance. The appliance must not be operated by children, young persons or persons who have not been instructed accordingly.

Never leave the machine unattended so long as it is running.

There is a recoil pressure arising from the water jet that comes out from the spray pipe. The angular spray pipe brings about an upward force. Hold the gun and the spray pipe tightly.

The recoil and bending forces may be different if you are using angular spray devices.

## **Transport**

The engine is to be brought to a standstill and the appliance is to be fastened properly during transportation.

## **Maintenance**

Switch off the appliance and, in case of appliances connected to the mains, pull out the power cord before cleaning and performing any maintenance tasks on the machine.

Maintenance work may only be carried out by approved customer service outlets or experts in this field who are familiar with the respective safety regulations.

Mobile industrial appliances are subject to safety inspections according to the local regulations (for e.g. the following are applicable in Germany: VDE 0701).

## **Accessories and Spare Parts**

Only use accessories and spare parts which have been approved by the manufacturer. The exclusive use of original accessories and original spare parts ensures that the appliance can be operated safely and troublefree.

## **Hot water and petrol engine devices**

Only use the fuels specified in the Operations Manual. Risk of explosion due to the use of inappropriate fuels.

In petrol engine devices, ensure that no petrol comes in contact with hot surfaces. Please follow the special safety instructions in the Operating Instructions Manual for petrol engine devices.

Ensure that there is adequate ventilation or provision for diverting the exhaust gas while operating the appliance in closed rooms (risk of poisoning).

*Do not close the exhaust.*

Do not bend over the exhaust or touch it.

Do not touch the boiler when the burner is on. (Risk of burns).