



# PortaScreed Vibrating Screed

PS35

## OPERATING INSTRUCTIONS



### **WARNING**

To reduce the risk of injury, all operators and maintenance personnel must read and understand these instructions before operating, changing accessories, or performing maintenance on this power equipment. All possible situations cannot be covered in these instructions. However care must be exercised by everyone using, maintaining or working near this equipment.

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## INTRODUCTION

Thank you for your selection of Parchem equipment.

Parchem have specialised in the design and manufacture of quality products since 1951.

We have taken care in the assembly and testing of this product. Should service or spare parts be required, prompt and efficient service is available from our branches.

General Safety Instructions for the Operation of Power Equipment.

The goal of Parchem is to produce power equipment that helps the operator work safely and efficiently. The most important safety device for this or any tool is the operator.

Care and good judgement are the best protection against injury. All possible hazards cannot be covered here, but we have tried to highlight some of the important items, individuals should look for and obey Caution, Warning and Danger signs placed on equipment, and displayed in the workplace. Operators should read and follow safety instructions packed with each product.

Learn how each machine works. Even if you have previously used similar machines, carefully check out each machine before you use it. Get the "feel" of it and know its capabilities, limitations, potential hazards, how it operates, and how it stops.

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## APPLICATIONS

- Compaction of concrete slabs
- Precast sections
- Roadways
- Warehouse floors

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## FUNCTION AND CONTROLS

### MOTOR

The motor is controlled by an ON/OFF switch or push button Which is mounted on the handle.

The motor speed is controlled by throttle lever mounted on the handle.

The motor is a 4-stroke unit and must only be used with Unleaded.

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## FEATURES

Adjustable Handles

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## HAZARDS AND RISKS

NEVER allow any person to operate the machine without adequate instruction.

ENSURE all operators read, understand and follow the operating instructions.

SERIOUS INJURY could result from improper or careless use of this machine.

### ! MECHANICAL HAZARDS

DO NOT operate the machine unless all protective guards are in place.

KEEP hands and feet clear of rotating and moving parts as they will cause injury if contacted.

ENSURE that the motor operation switch is in the OFF position and the spark plug ignition lead is disconnected before removing the guards or making adjustments.

DO NOT leave the machine in operation while it is unattended.

EXERCISE CARE When operating unit. Exposure to vibration or repetitive work actions may be harmful to hands and arms.

NEVER stand on the unit While it is operating.

BE CAREFUL not to come in contact with the muffler when the engine is hot, since it can cause severe burns.

ENSURE that repairs to the motor and machine are carried out by COMPETENT personnel.

### ! FIRE & EXPLOSION HAZARDS

PETROL is extremely flammable and explosive under certain conditions.

ENSURE that petrol is only stored in an approved storage container.

DO NOT refuel the motor While it is in operation or hot.

DO NOT refuel the motor in the vicinity of sparks, a naked flame or a person smoking.

DO NOT over fill the fuel tank and avoid spilling petrol when refuelling. Spilled petrol or petrol vapour may ignite. If spillage occurs, ensure that the area is dry before starting the motor.

ENSURE that the fuel tank cap is securely fitted after refuelling.

### I CHEMICAL HAZARDS

DO NOT operate or refuel a petrol motor in a confined area without adequate ventilation.

CARBON MONOXIDE exhaust gases from internal combustion motor driven units can cause death in confined spaces.

### ! NOISE HAZARDS

EXCESSIVE NOISE can lead to temporary or permanent loss of hearing.

WEAR an approved hearing protection device to limit noise exposure. As required by Occupational Health and Safety regulations.

### PROTECTIVE CLOTHING

ALWAYS wear protective clothing and footwear to prevent the skin coming into contact with wet concrete.

PROTECTIVE FOOTWEAR should be worn to reduce injuries from penetration through the sole, contact with cutting objects, slipping, contact with wet concrete and electrical hazards.

GOGGLES for eye protection may also be necessary.

USE waterproof protection for hands and knees (if kneeling) When concreting. If your clothing becomes wet from concrete contact make sure you change the clothing.

Do not walk about waiting for it to dry.

### **! ADDITIONAL HAZARDS**

Slip/Trip/Fall is a major cause of serious injury or death.

Beware of uneven or slippery work surfaces.

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## **OPERATION**

### **USING THE VIBRATING-BEAM SCREED**

Once the concrete, with its surcharge, has been spread, start the motor and manually pull the beam along the slab. Make sure that there is always a continuous surcharge along the entire length of the leading edge.

Generally one steady pass with the screed should be enough to compact and level the concrete.

Vibration of the concrete is still necessary to bring air bubbles to the surface.

Start the motor using the recoil starter. (If the motor is fitted with an on/off switch this must first be turned to ON before starting.)

ALWAYS maintain good footing so that you do not slip and lose control when starting or operating the machine.

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## **CARE AND PREVENTIVE MAINTENANCE**

Inspect the rubber anti vibration mounts for wear or deterioration.

Clean the aluminium beams regularly to prevent a build up of concrete residue.

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## **SERVICE**

Inspect, clean and/or replace the motor air cleaner regularly, particularly when operating in a dusty environment.

Inspect, clean and/or replace the spark plug regularly

Check all fasteners for tightness as the machine is subject to vibration.

To test run the screed support the beams on a resilient support at each end. (eg. use two car tyres.)

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## **CLEANING AND STORAGE**

Keep the unit clean and free of concrete residue.

Ensure the cooling fins on the motor are kept unobstructed.



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