

**WIREFMATE**

# WIZARD



**The Wiremate Wizard Saves Hours!**

## **USER INSTRUCTIONS**

SA Patent: 20050 5896  
European Patent: EP1661221

The Wiremate Wizard Pull Cord System saves enormously on time compared to conventional wire drawing methods.

### Advantages:

- The **Wiremate Wizard** reduces the time required for the introduction of pull cord by up to 90 %.
- The **Wiremate Wizard** requires no electrical power.
- The **Wiremate Wizard** is light and weighs under 3 kg.
- The **Wiremate Wizard** works by creating a vacuum.
- The **Wiremate Wizard** can also be used as compressor to clean out or unblock conduits.
- The **Wiremate Wizard** is simple and requires no special skills to operate.
- The **Wiremate Wizard** can be used with rigid conduits, as well as 16mm Ø - 32mm Ø flexible conduits.
- The **Wiremate Wizard** is very economical.

With the **Wiremate Wizard** and its various adaptor pieces (16/20/25/32mm), pull cord can be installed quickly and effortlessly in empty conduits of over 50 meters in length and with several bends and elbows.

### Introduction

Congratulations on the purchase of a Wiremate Wizard pull cord system. Wiremate is proud to bring you this innovative, user friendly and time saving product.

The Wizard installs pull cord quickly and effortlessly. It can also be used to trace conduit routes and to remove foreign matter such as water, sand and grit etc which may adversely affect the installation of cabling.

Please read these instructions before you use your Wizard. Keep them in a safe place for future reference.

## 1. Unit Assembly (Before First Use Only)

Screw the pump handle provided with your unit on to the pump unit.

## 2. Important Safety Instructions

Wear eye protection and exercise due caution before applying positive pump pressure to conduits. Ejected water and / or grit may cause harm to persons or property.

## 3. Operation

Press the flexible hose into the rubber grommet on the unit. If the connection is initially tight, apply a little lubricant.

Target end of conduit: Select an adapter to fit the conduit opening. Connect the adapter to the flexible hose and press it into the conduit opening.

Opposite end of conduit: Tie the inside end of the pull cord to the shuttle with a single knot and insert it into the conduit. Operate the pump continuously for a few seconds until the shuttle and pull cord arrives in the adapter (for pull cord selection see Point 6).

## 4. Pull Cord

The 1kg pull cord supplied by Wiremate is lubricated, acid resistant lightweight polypropylene twine (approx 1000 meters @ 40kg breaking strain) designed to optimise the drawing ability of the cord and to minimise friction with the conduit.

## 5. Lubricating Your Own Pull Cord

If you want to lubricate your own pull cord, proceed as follows. Place the roll of pull cord in a suitable container and pour 250ml vegetable (e.g., sunflower) oil (per 1 kg pull cord) over the roll and allow to soak through. Store the roll in a plastic bag in order to protect it against contamination. Use within 12 months.

## 6. Pull Cord - Recommended Use

- For lighter wiring use the pull cord directly to draw wiring into the conduit.
- For heavier wiring, use the pull cord to assist with drawing in a fish tape (steel wire) which can then be used to pull in the wiring.

## 7. Handy Hints

- It is important to prevent cement, grit, and similar material from entering your conduit runs.
- The flexible hose can be extended with 20mm pvc conduit for hard to reach places.
- Always use only lubricated pull cord.
- Allow pipe adhesive to dry before installing pull cord.
- Conduit tracing: Conduit outlet points can often be located by sound when positive pressure is applied to the conduit. Alternatively, lightly compressed plugs of tissue paper can be inserted into the conduits (e.g. In a distribution board). When positive pressure is applied, the conduit can be identified as the paper is blown out.

## 8. Maintenance

- a) This product is user-serviceable**  
Grease the pump (cylinder and 4x0-rings) regularly. Use only soft grease as per sample or petroleum jelly.
- b) Cleaning of air filter**  
To clean the air filter, remove the pump piston and the upper bracket. Pull off the press-fit air filter and rinse with clean water. Re-assemble the unit and snap the side panels back into position.
- c) Replacement of the pump**  
This is necessary if the pump is no longer delivering sufficient vacuum of pressure (most often the consequence of a lack of proper maintenance as per point 8a). With the unit partly dismantled as above, unscrew the lower bracket and pull out the vacuum pipe by gripping the elbow and pulling the vacuum pipe downward. The pump can now be removed and the pressure and vacuum pipes refitted to the new pump.

## 9. Trouble Shooting

- **The shuttle will not travel:** it is possibly being obstructed by cement, grit, or similar material that has found its way into the conduit. To remedy this, firstly disconnect the flexible hose, then pull out the shuttle before attempting to clear the conduit. You may use the positive pressure nozzle of the unit for this purpose, exercising due caution to prevent possible harm to persons or property caused by any ejected material. If this is unsuccessful, try to break up any loosely packed cement etc near the mouth of the conduit with a fish tape, before again attempting to blow out any loose material. Wear eye protection when using positive pressure.

- **The rubber O-ring slips off the pump piston:** this may be an indication that the pump cylinder needs lubrication. See maintenance instructions. Always keep a supply of soft grease or petroleum jelly to hand.

## 10. Spares

Please refer to your dealer for replacement spares.

## 11. Adaptors Flexible / Rigid Conduit

If the unit is to be operated with rigid conduit, the two 16mm (smallest) adaptors should be replaced with the two (separately packed) 20mm adaptors.

## 12. Guarantee

This product has been manufactured according to the latest manufacturing methods and was submitted to stringent quality control.

We guarantee this product to be of high quality. In the event of failure, please return the unit to your Wiremate dealer together with a copy of the invoice. Include a brief written description of the problem if necessary.

Wiremate undertakes to replace, free of charge, any faulty component(s) from date of purchase for a period of 6 months. Fair wear and tear excluded. Responsibility is limited to the supply only of the component(s) for fitment by the user. Failure to maintain the unit and lubricate the pump in accordance with the instructions provided will invalidate the guarantee.

Please complete and return the enclosed guarantee card within **14 days** of purchase to the dealer from whom you had purchased your Wiremate unit.



**Components List:**

- |                   |                        |
|-------------------|------------------------|
| 1. Handle         | 2. Lid                 |
| 3. Toolholder     | 4. Upper bracket       |
| 5. Rubber grommet | 6. Pull cord in bucket |
| 7. Filter chamber | 8. Flexible hose       |
| 9. Coupling       | 10. Adaptor            |
| 11. Shuttle       | 12. Side panel         |
| 13. Bracket bolt  | 14. Pressure nozzle    |
| 15. Pump          |                        |

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