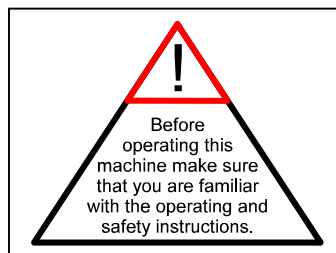


## MODEL LBR 1506 VR PIPE SANDER



## OPERATING MANUAL



Model	LBR 1506 VRA
Power input	1,200 watts
Power output	700 watts
Belt dimensions	618 mm x 40 mm
Level/belt speed	1/10 m/s 2/14 m/s 3/18 m/s 4/22 m/s 5/26 m/s 6/30 m/s
Motor With noise suppression in conformity with EN 55014-1/-2 EN 61000-3-2/-3-3	Universal motor for a.c.

Please also refer to the pertinent regulations of your own employers' liability insurance association.

The typical weighted acceleration is 2.5 m/s<sup>2</sup>.  
Typical A-weighted noise levels are: Sound pressure level: 85 dB (A).  
Sound power level: 98 dB (A). Wear ear protection! Values measured in accordance with EN 50 144.

The belt sander LBR 1506 VRA is equipped with electronic control components. The electronic components include:

- Starting current limiter
- Overload protection at twice the rated current
- Constant speed maintained by tachogenerator
- The speed can be infinitely reduced up to a factor of three in the VR-electronics

Voltage: Voltage on the type plate must equal the power supply voltage

Switch: Machine turned off (switch button in position "0")

Tools: Use only sanding belts from the FLEX product line

#### Application of the unit

The belt sander is superior to grinding disks for many types of sanding operations. Its main advantages are:

- Cooler sanding operations
- Higher quality finish without ring formation
- Higher material removal rates
- Less noise
- Easier handling
- Better adaptation to materials owing to speed preselection

#### LBR 1506 VRA

##### Belt change

The release of tension of the sanding belt is carried out by pressing the arm in the direction of the motor and activating the locking button. When inserting the sanding belt, the direction of travel is to be observed. In order to place tension on the belt, tension on the arm is to be released briefly.

##### Sanding

Pipes are sanded between the drive roller and loose roller. The angle of belt contact and the rate of material removal can be varied by means of changing pressure on the machine. In addition, the

rate of material removal can be adapted to requirements by changing the pretension on the spring using the adjustment screw on the top of the arm.

For extremely large pipe diameters or high rates of material removal at small angles of belt contact, the moveable roller can be locked into the end position. To accomplish this, the locking wing must be activated and snapped into place by rotating 90°.

**Weld seams** are sanded using the rubber-coated driven roller.

#### Safety information

When carrying out work on the machine caution is to be taken that the plug has been removed from the socket. In order to increase personal safety, it may be recommendable in certain cases to utilize r.c.d. protection (30 mA), e.g. in the case of extreme moist or heavy dirt environments causing conductive dust from the unit.

#### Maintenance

##### Carbon brushes

The machine is fitted with shut-off carbon brushes. The machine is switched off automatically as soon as the wear threshold is reached. Only replacement shut-off carbon brushes supplied by FLEX may be used. Use of other carbon brushes will relieve us of liability under the terms of the guarantee. The brush sparking can be observed through the air inlet louvers. The machine should be switched off immediately if strong brush sparking develops. The machine should be sent to one of our customer service workshops in order to avoid resulting damage of a more extensive nature.

##### Cleaning

Keep the machine and air inlet louver clean at all times to ensure correct and safe working. Under extreme application conditions involving metals dust can enter the interior of the machine. The protective insulation of the machine can be adversely effected. In such cases the machine should be blown out regularly through the air inlet louver and r.c.d. protection connected in series. It is recommended that a vacuum attachment be used.

##### Transmission

The screws on the transmission head may not be loosened during the guarantee period. Should that be the case, our guarantee liability is rendered null and void. After approximately 1,000 hours of use, the grease is to be changed and the machine to undergo a safety inspection by an authorized FLEX customer service repair shop.

**WARNING: SOME DUST CREATED BY POWER SANDING, SAWING, GRINDING, DRILLING, AND OTHER CONSTRUCTION ACTIVITIES contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:**

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.