



## Technical description DC-70



The robot cutter, which is manufactured in stainless steel, is for using in all types of pipe-lines, for instance in sewer-pipes, water-pipes etc in the dimensions **75 mm – 150 mm**. By relining of an existing pipe with a lining, the cutter is to be used for re-opening of lateral connections.

Furthermore the robot cutter can be used for removing concrete, tree-roots, rubber rings and all kinds of deposits.

The cutter functions so, that the cutting head is operating by a pneumatic motor. The pneumatic motor is supplied by air through the main-air hose  $\varnothing$  1 in, multiple plug and the lever, which holds the pneumatic motor.

The lever is connected to the front part of the Cutter, so that the lever can swing up/down. The movement is controlled by the control panel. This movement is also driven by pneumatic/air. The air is supplied by a multiple plug in the back part of the Cutter. A small air hose is drawn through the air hose in the 1 in measured supply hose.

The front part, which consists of a rotation part with lever arm and air motor, can rotate 360° continuously. This rotation is operated by an electrical motor (24 V DC). The infinitely variable speed control of the motor is controlled by the control panel and the supplying is made through the multiple plugs. In the 1" measured main air hose is drawn an electrical cable.

The cutter is divided into three parts; each part is separated by a flexible coupling, which makes it flexible, and hereby fit for operating into pipe-systems with severe bends as follows:

- **100 mm (relined 91 mm) 30° elbow**
- **150 mm (relined 141 mm) 45° elbow**
- **The cutter can be placed into pipe-systems through a  $\varnothing$  315 wash-well-cover.**
- **DC-70, outside diameter:** **70 mm**
- **Weight / Length:** **approximately 8 kg. / 700 mm**
- **Air motor, speed:** **up to 13000 RPM**
- **Air requirement / Pressure / content of steam c:** **app. 700 liters / 7 bar / c = Max 20 g/m<sup>3</sup>**
- **Operation:** **230/115V AC – 50/60 HZ**

In order to reduce the risk of bursting the main air hose, you should operate at following pressures, depending on the temperature which are in the surroundings:

**Up to 30°C: Max 7 bar                      30 - 40°C: Max 5 bar                      40°C: Max 4 bar**

DC-70 cutter is delivered with a pneumatic motor: AG100-S.

*Due to policy of continued product development DANCUTTER reserve the right to alter or amend any published specification without notice*