



### Technical Description of Dancutter Flex



The Dancutter Flex has been designed specifically for operation with small diameter hard to reach applications. Manufactured from stainless steel the cutter is capable of operation from **70 mm to 100mm** with the added benefit of negotiating up to 90 degree bend. Re-instatement of connections in all pipelines such as sewer and water can be achieved after the lining process with ease.

The Cutter can also be used for removal of concrete, tree roots and rubber seals. With the addition of a metal cutting disc reinforcement bar and other metal deposits can also be removed.

The grinding motor and lifting arm are both provided with air via a 1” supply hose. This enables manoeuvrability of the lifting arm and activation of the cutting head.

The grinding motor is connected to the lifting arm. As the control panel is activated air is passed through to increase or decrease the height of the grinding motor.

The cutter is divided into three parts:

1. Connecting unit  
Consists of a multiple plug through which all cutter functions are controlled.
2. Resolving unit  
Consists of an electrical motor for continuous rotation of the front part of the cutter, and an airlock for supply of the grinding motor and for the lifter.
3. Lifter/ Resolving unit  
Consists of an integrated unit, in which both the grinding motor and the lifter movement have been built in.

The flexibility of the cutter is due to “tripartite”, which in fact means that the cutter is capable of operating in smaller pipes with elbows, knees and large dislocations.

The cutter can be placed into the pipe system through an 200 mm wash-well-cover or through corresponding access conditions.

Dancutter Flex is available supplied w/ a grinding motor AG50.

<b>DC Flex external diameter:</b>	<b>60 mm</b>
<b>Weight / Length:</b>	<b>Approx 4.5 kg / 630 mm + 20 m main supply hose 1 inch.</b>
<b>Air motor, speed:</b>	<b>up to 15 000 RPM</b>
<b>Air supply /Pressure/Water vapour content c = g/m<sup>3</sup>:</b>	<b>Approx. 650 Litre/M. /Approx. 7 bar/max 20 g/m<sup>3</sup></b>
<b>Power:</b>	<b>24V DC</b>
<b>Elbow:</b>	<b>100 mm 90°</b>

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

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

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