helix hydro-jet applicator system

1. Sterile instruments
2. Sterile pressure cartridge containing biocompatible liquid
This system offers a selection of applicators matched to a wide range of indications for most surgical applications:
- Straight or bayonet-shaped with or without suction in different lengths.

Special equipment to suit your individual needs may be supplied at any time.

The fact that all human med products are manufactured in direct association with the company headquarters in Germany is a guarantee of highest quality standards for all devices and their product range throughout the entire production process.

human med – water-jet assisted medical technologies

The human med Aktiengesellschaft is world market leader in surgical water-jet dissection.

The innovative and international company based in Mecklenburg-West Pomerania has specialised in the field of water-jet assisted medical technologies since 1988.

In the summer of 2004 human med ag launched the body-jet on the world market, a pioneering development for water-jet assisted liposuction (WAL). The body-jet is the only device presently certified and licensed for the WAL procedure.
Water-jet Assisted Dissection

By means of a fine water-jet whose pressure may be matched to different tissue structures, it is possible to perform selective and high-precision dissections. The advantages of this method have proved it to be far superior to conventional surgical techniques.

The helix hydro-jet, which is injected along interfaces into the tissue matrix with the bi-jet capillaries, forms an expansion space. Structures lying firmly against each other are clearly separated and may thus be treated with fewer complications. In contrast to conventional systems, the water-jet of the helix hydro-jet is additionally twisted over its surface similar to a drill. This feature results in a highly differentiated tissue-conserving application ensuring maximum tissue selectivity. The helical water-jet remains coherent even under water. Additional advantages are reduced bleeding and clear visibility in the operating field. The structures are exposed and irrigated while excess fluid is simultaneously removed by suction.

Precise water-jet dissection has already become established in many fields of surgical application. The helix hydro-jet is used in routine clinical work in many countries such as Australia, China, Russia, the USA, Canada and Europe (e.g. France and Great Britain).

Major advantages

As a result of many years of close cooperation with clinics in Germany and abroad, the helix hydro-jet has been highly commended in many fields of surgical application on account of its precise, conserving, safe and fast dissection and preparation capabilities combined with shorter intervention periods.

Fast and precise

- Shorter operating times
- High tissue selectivity
- High-precision dissection
- Constant cutting action even with changes in distance
- Clearly visible operating field

Sparing

- No damage to surrounding tissue
- Minimal bleeding
- Reduced pain and shortened stays in hospital

Technical data

- Dimensions [cm]: 122x35x35 (HxWxD)
- Base plate with wheels: 50 cm wide x 50 cm deep
- Weight: 85 kg
- Mains supply: 230 V/50 Hz, 16 A
- Certification: DIN EN ISO 13485
- Guideline: 93/42 /EEC