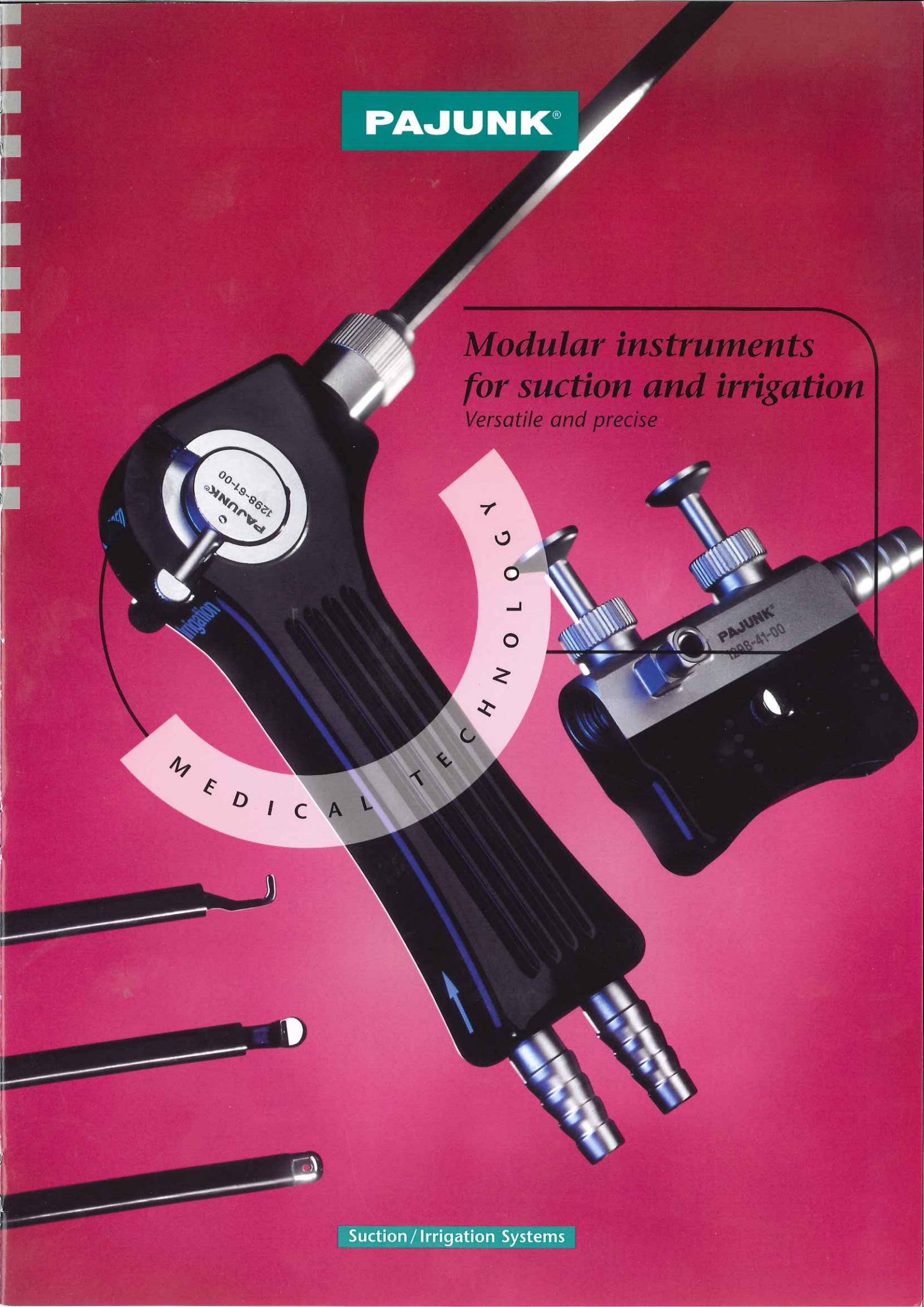


**PAJUNK®**

*Modular instruments  
for suction and irrigation*  
Versatile and precise

MEDICAL TECHNOLOGY



**Suction / Irrigation Systems**

The safe basis:

## More flexibility in suction and irrigation

### Handles for suction and irrigation

Handle with trumpet valve



Handle with double trumpet valve



Pistol handle



### Suction/irrigation tubes



Tube for suction/irrigation with 4 lateral holes, or with 4 x 4 lateral holes with  $\varnothing$  3 mm,  $\varnothing$  5 mm and  $\varnothing$  10 mm



$\varnothing$  1 mm

Tube for suction/irrigation with puncturing-/aspiration-needle with  $\varnothing$  3 mm,  $\varnothing$  5 mm

### Suction/irrigation system with instrument channel



Metal suction/irrigation tube for use with instruments  $\varnothing$  5 mm



Plastic suction/irrigation tube for use with instruments  $\varnothing$  5 mm

Pistol handle

Any given size of all tubes for suction/irrigation of the series 1298 can be combined with all three handles.

Of high quality and easy to operate:

## Quality in series



PAJUNK® modular instruments used for suction and irrigation are simple and versatile at the same time. Simple, because all handles and tubes of one series can be combined with each other in any chosen combination – regardless of the diameters of the components. Versatile, because the systems have a variety of functions and features.

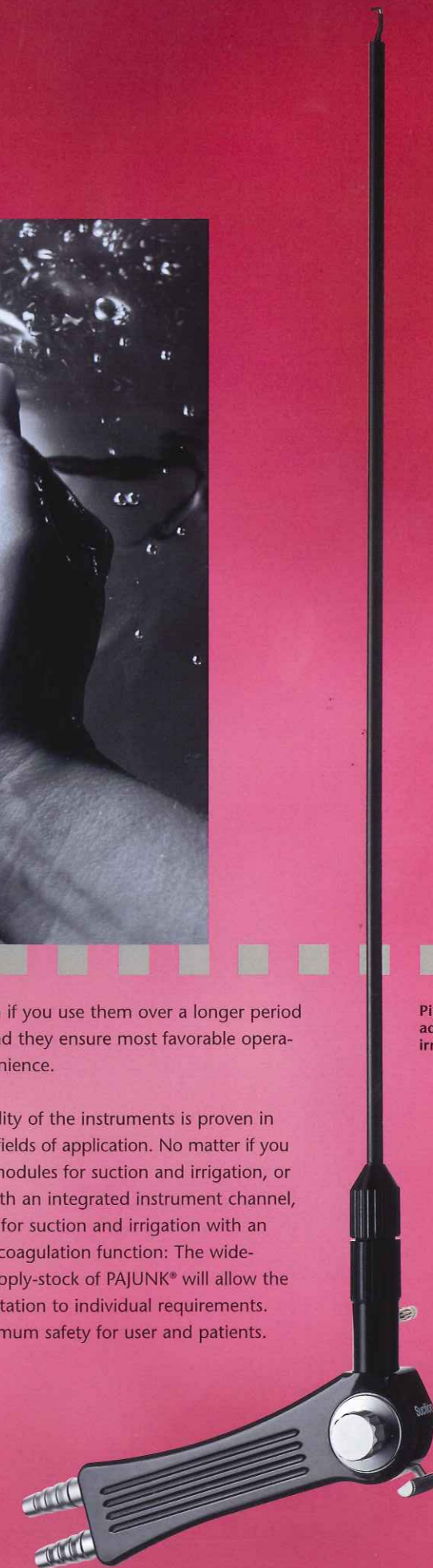
#### Uncomplicated and fast:

You can assemble and disassemble all systems without the use of any tools. The ergonomically shaped handles have a good "feel" to your

hand, even if you use them over a longer period of time. And they ensure most favorable operating convenience.

The versatility of the instruments is proven in numerous fields of application. No matter if you use basic modules for suction and irrigation, or versions with an integrated instrument channel, or systems for suction and irrigation with an additional coagulation function: The wide-ranging supply-stock of PAJUNK® will allow the exact adaptation to individual requirements. – For maximum safety for user and patients.

Pistol handle with an adaptable suction/irrigation electrode.

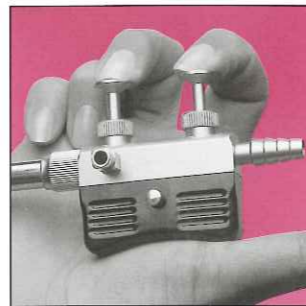


Reliable and flexible:

## Simple handling thanks to precise "tuning"

Four handles are the basis for the modular system used in suction and irrigation. Having the same function, they differ in their technological construction and in their design. This way you can choose the suitable handle completely according to your own habits and preferences.

In developing the pistol handle PAJUNK® has put special emphasis on ergonomics. The pistol handle is correspondingly easy to use for right-handed or for left-handed operators.



The intensity of suction and irrigation can be adjusted infinitely variable directly over a controlling regulator, which will make work easier for you – particularly during longer applications.

The curved shape of the double trumpet valve makes it easy to handle and pleasant to hold. The two valves are operated with the index finger and the middle finger. Switching back and forth between the suction and the irrigation function is therefore very easy.



The pistol handle can also be easily disassembled into its 3 components to be cleaned. The valve is maintenance-free after the cleaning, thanks to a special construction of the bushing.

Progress through technology:

## Quality in many functions



You can use the multi-functional suction and irrigation system with instrument channel together with all instruments having a diameter of 5 mm.

The flap valve can also be operated manually.



### Versatile and easy to use:

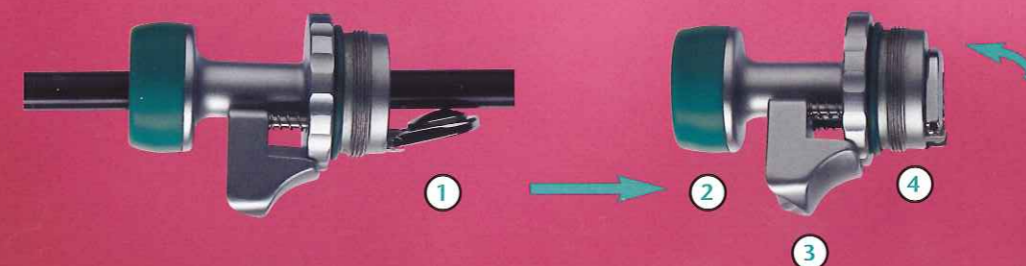
Besides its use for suction and irrigation, the multifunctional suction/irrigation system with instrument channel permits the use of further instruments with a diameter of 5 mm. These instruments are retracted into the tube during suction or irrigation.

### Double sealing:

An ingenious sealing system will guarantee, that no gas can escape through the handle.

The instrument channel will remain locked safely by a flap valve during suction and irrigation. The instrument channel will open and close automatically during introduction and removal of the instrument. In this case, the green sealing cap and an O-ring system will seal the handle, thus preventing excess pressure from escaping.

If required, the flap valve can also be operated manually, so that hook-type or biopsy instruments, for example, can be removed easily and safely.



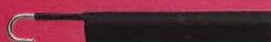
- 1 Flap valve
- 2 Sealing cap
- 3 Push-button for manual operation
- 4 O-ring system

For high performance:

## Modules for safe coagulation

The large bandwidth of electrode-shapes allows for precise adaptation of the systems to your surgical requirements.

J-hook electrode thin



J-hook electrode



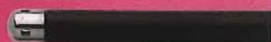
Right-angle electrode



Spatula electrode



Ballpoint electrode



Knife electrode



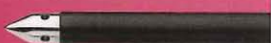
45°-electrode



Needle electrode



Conical electrode



Suction/irrigation tube, insulated



### Handles for suction and irrigation with coagulation (series 1299)

Pistol handle



Handle with double trumpet valve and ergonomic handle plate



Handle with double trumpet valve



Handle with trumpet valve



### Adaptable suction/irrigation electrodes (series 1299)



Modular monopolar HF-electrodes



Retractable, monopolar HF-electrodes

### Individual electrodes with integrated handle (series 2000)



Monopolar HF-electrodes with HF-connector and lateral connection for rinsing and cleaning

A wide spectrum:

## Systematic coagulation

### Flexibility is decisive.

All handles and HF-electrodes of the series 1299 can be combined with each other. All compound systems can be assembled and disassembled with few operational steps without the use of additional tools.

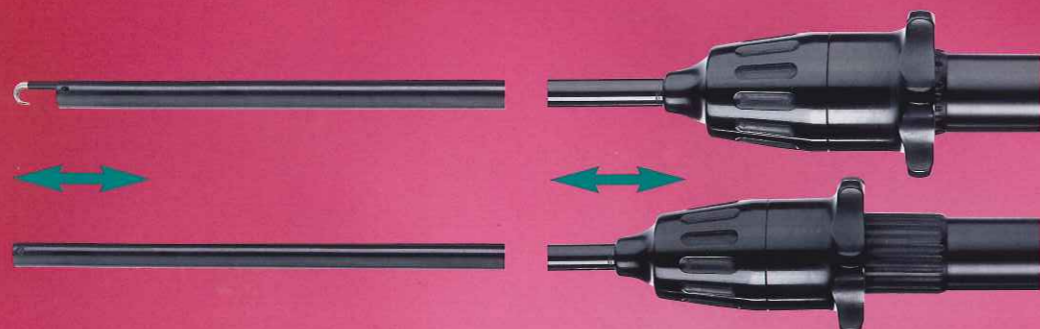
### Easy access:

The electrode tip of retractable monopolar

HF-electrodes can be completely retracted into the suction/irrigation tube. The toothed ring must be pushed forwards to do this.

The toothed ring is also used to rotate the electrode in all directions.

Rotation, as well as retraction and extension of the HF-electrode is carried out by means of single-handed manipulation.



If the toothed ring is pushed forwards, the outer tube is extended over the electrode at the same time.

## Detailed perfection

Quality manifests itself in the details. This has been proven once more by PAJUNK® through the innovative accents applied in the further development of their systems for suction and irrigation.

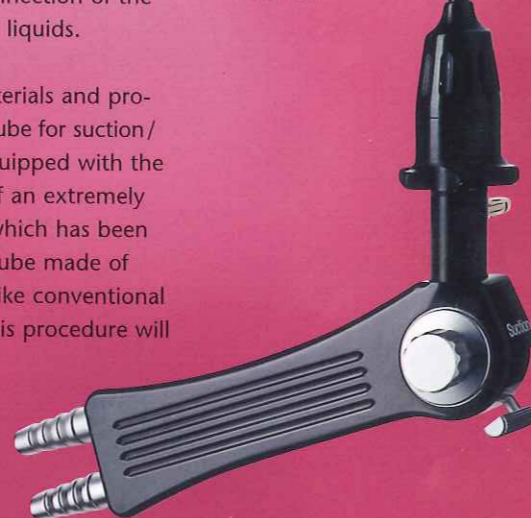
So all electrodes have a gold-plated HF-connection integrated into the handle. This will guarantee low transition resistance, and it will also improve conductivity. The adapter is integrated into the HF-connector, and is rotatable. If necessary, you can therefore turn the electrode tip in all directions without interrupting the conductive connection of the HF-supply to the tip.

### Double reliability:

A female LuerLock connection and an additional sealing system protect the connection of the HF-electrode impenetrable for liquids.

More safety thanks to the materials and processing techniques used: The tube for suction/irrigation of all instruments equipped with the coagulation-feature consists of an extremely robust plastic material tube, which has been carefully mounted on a core tube made of high-grade stainless steel. Unlike conventional shrink-down plastic tubing, this procedure will ensure a very solid isolation.

Pistol handle with a retractable suction/irrigation electrode.



Improved compatibility:

## Quality in particular

### Modular valve handles for adaptable tubes M8 x 1 mm



#### Product

Suction/irrigation pistol handle with a maintenance-free 2-way valve for adaptable tubes with connector M8 x 1 mm.

#### Order no.

1298-61-00



#### Product

Suction/irrigation handle with double trumpet valve and removable ergonomic handle plate for adaptable tubes with connector M8 x 1 mm. One universal tube connection; one lateral LuerLock connector female.

#### Order no.

1298-41-00



#### Product

Suction/irrigation handle with trumpet valve for adaptable tubes with connector M8 x 1 mm. One universal tube connection.

#### Order no.

1298-01-00

### Tubes for suction/irrigation



#### Product

Adaptable tube for suction/irrigation with connector M8 x 1 mm and 4 lateral holes at the distal end. Connectable to all handles of the series 1298-XX-00.

#### Order no.

Ø 3 mm  
1298-00-03

#### Order no.

Ø 5 mm  
1298-00-05

#### Order no.

Ø 10 mm  
1298-00-10



#### Product

Adaptable tube for suction/irrigation with connector M8 x 1 mm and 4 x 4 lateral holes at the distal end. Connectable to all handles of the series 1298-XX-00.

#### Order no.

Ø 3 mm  
1298-00-04

#### Order no.

Ø 5 mm  
1298-00-06

#### Order no.

Ø 10 mm  
1298-00-11



#### Product

Adaptable tube for suction/irrigation with puncture-/aspiration needle Ø 1 mm, and connector M8 x 1 mm. Connectable to all handles of the series 1298-XX-00.

#### Order no.

Ø 3 mm  
1298-00-00

#### Order no.

Ø 5 mm  
1298-00-01

## Multifunctional suction/irrigation system w/ integrated instrument channel



Product	Order no.
Suction/irrigation pistol handle with a maintenance-free 2-way valve and instrument channel Ø 5 mm. With automatic and manual operated trap-door valve to seal the instrument channel. Two universal tube connections. All series 1298-00-XX – tubes can be adapted.	1298-71-00



Product	Order no.
Adaptable metal tube for suction/irrigation, outer diameter 10 mm, with connector M8 x 1 mm, for use with instruments Ø 5 mm / 330 mm working length. Inside diameter at the distal end: Ø 6.0 mm, working length: 230 mm.	1298-00-20



Product	Order no.
Adaptable plastic tube for suction/irrigation, outer diameter 10 mm, with connector M8 x 1 mm, for use with instruments Ø 5 mm / 330 mm working length. Inside diameter at the distal end: Ø 6.0 mm, working length: 230 mm.	1298-00-21

## Modular valve handles for adaptable monopolar HF-electrodes



Product	Order no.
Pistol handle with a maintenance-free two way valve for adaptable suction/irrigation electrodes. With rotatable adapter and lateral HF-connection. Two universal tube connections.	1299-61-00



Product	Order no.
Valve handle with double trumpet valve and removable ergonomic handle plate for adaptable suction/irrigation electrodes. With rotatable adapter and lateral HF-connection. One universal tube connection; one lateral LuerLock connector female.	1299-41-00



Product	Order no.
Trumpet valve handle piece for adaptable suction/irrigation electrodes. With rotatable adapter and lateral HF-connection. One universal tube connection.	1299-01-00



Product	Order no.
Handle with two lateral trumpet valves for adaptable suction/irrigation electrodes. With rotatable adapter and lateral HF-connection. One tube LuerLock connection female, as well as two lateral valve connections LuerLock female.	1299-31-00

## HF-electrodes

### Adaptable monopolar HF-electrodes

Working length: 340 mm, Ø 5 mm



Product	Order no.	Product	Order no.
J-hook electrode thin	1299-00-10	Knife electrode	1299-00-15
J-hook electrode	1299-00-11	45°-electrode	1299-00-16
Right-angle electrode	1299-00-12	Needle electrode	1299-00-17
Spatula electrode	1299-00-13	Conical electrode	1299-00-18
Ballpoint electrode	1299-00-14	Suction/irrigation tube, insulated	1299-00-30

### Retractable, adaptable monopolar HF-electrodes

Working length: 340 mm, Ø 5 mm



Product	Order no.	Product	Order no.
J-hook electrode thin	1299-10-10	Knife electrode	1299-10-15
J-hook electrode	1299-10-11	45°-electrode	1299-10-16
Right-angle electrode	1299-10-12	Needle electrode	1299-10-17
Spatula electrode	1299-10-13		

### Monopolar HF-electrodes with HF-connection and lateral connection for rinsing and cleaning

Working length: 340 mm + 440 mm, Ø 5 mm



Product	Order no. 340 mm	Order no. 440 mm
J-hook electrode thin	2000-00-10	2000-10-10
J-hook electrode	2000-00-11	2000-10-11
Right-angle electrode	2000-00-12	2000-10-12
Spatula electrode	2000-00-13	2000-10-13
Ballpoint electrode	2000-00-14	2000-10-14
Knife electrode	2000-00-15	2000-10-15
45°-electrode	2000-00-16	2000-10-16
Needle electrode	2000-00-17	2000-10-17
Conical electrode	2000-00-18	2000-10-18