

# TONTARRA

ENDOSCOPY

ON THE GENTLE SIDE  
OF GYNECOLOGY

GUBBINIoriginal

GUBBINIellipse

GUBBINImidi



## GUBBINI

MINI-HYSTERO-RESECTOSCOPY-SYSTEM

► 14.9 FR. ► 16 FR. ► 18.5 FR.



## ABOUT US

For more than 50 years “made by TONTARRA, Germany” is a synonym for state-of-the-art surgical and endoscopic instruments and equipment.

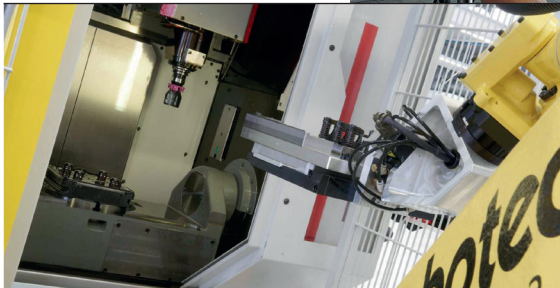
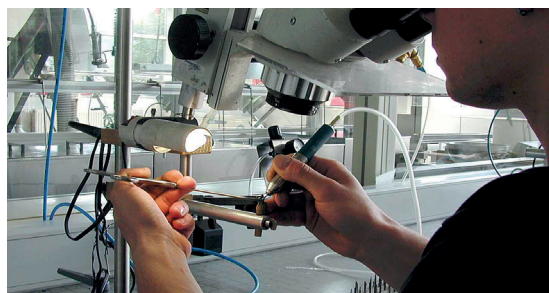
This success and the international recognition of the skillfulness in surgical and endoscopic instrument making of Tontarra Medizintechnik GmbH are based on our commitment to medical innovation, mastery in manufacturing, and a strong focus on our continuing tradition of excellence.

The confidence in our surgical and endoscopic lines as expressed by our international customers, distribution- and OEM-partners are a driving force to face and meet new challenges.

# TONTARRA



Indispensable ‘tools’ for maturing new ideas into high-precision surgical instruments of highest precision include our state-of-the-art manufacturing facility and production processes, and especially the comprehensive technical know-how, ingenuity and strong commitment of our entire team.



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GUBBINIoriginal GUBBINIellipse GUBBINImidi

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# THE GUBBINI-SYSTEM:

## DEFINING A NEW DIMENSION IN HYSTERO-RESECTOSCOPY

The original GUBBINI-Mini Hystero-Resectoscope with a diameter of 16 French was first introduced in 2010. By now, a full product line with three slightly different hybrid instruments, each of them for mono- or bipolar distension mediums and with a complete range of accessories, has evolved around the “original GUBBINI”.



### GUBBINIoriginal

The original GUBBINI System features a 16 French round distal tip/sheath form. Insertion into the cervical canal does not require dilation.



### GUBBINIellipse

Recently, sheaths with a distal tip of 14.9 French in elliptic form were added to the Gubbini System-Line: the GUBBINI Ellipse instruments facilitate the introduction without dilation, also in stenotic patients.



### GUBBINImidi

A third instrument set, the GUBBINI midi resectoscope of 18.5 French is based upon the same innovative technical principles than its smaller siblings. Even though the size requires the dilation of the cervix, the small diameter clearly reduces the strain on patients. The GUBBINI midi features the excellent functionality and handiness of all GUBBINI systems, while the size and form of the loops facilitate the treatment of larger myoma or more extended intracavitary lesions.

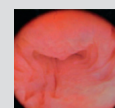
GUBBINI systems 14.9 & 16 French – matching the natural female anatomic conditions

Motivation to downsize the 24/26 French instruments commonly used in vaginoscopic procedures to “no more than 16 French” has been to avoid the painful dilation of the cervix, as well as unnecessary tissue damage.

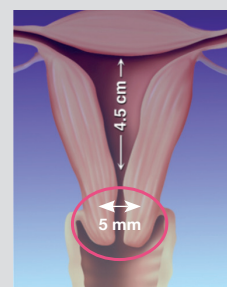
- ▶ The small size of the sheaths allows the surgeon to perform operative procedures without vaginal instruments (no speculum; no tenaculum; no Hegar dilators)
- ▶ Miniature loops and micro instruments are ideally shaped to the given anatomical proportions
- ▶ Easier handling due to the minimized dimensions of the instruments; less weight
- ▶ The risk of intra- and post-operative complications is minimized thanks to size and shape of instruments

#### THE CERVICAL CANAL

The cervix is typically 3-4 cm in length and 3 cm in diameter.



The narrowest location of the cervical canal is by nature extendable to a diameter of ~ 5 mm without pain sensation.



# WELCOME TO THE GENTLE SIDE OF GYNECOLOGY ...

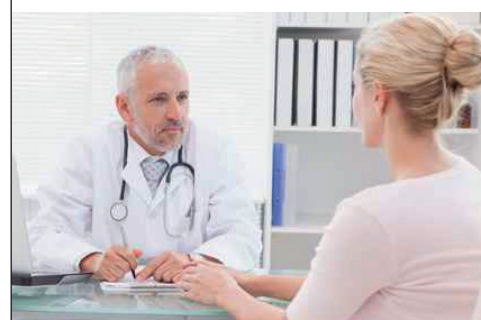
The GUBBINI Resectoscopy Systems with 14.9 Fr. and 16 Fr. clearly have the potential to revolutionize current proceedings in minimal invasive gynecology towards a more “gentle” approach with less traumatizing interventions in gynecology.



- ▶ No dilation of the cervical canal necessary
- ▶ Apt for treatment in office setting: It enables the treatment of pathologies which up to date often are still performed under general anesthesia, and/or require hospitalization.
- ▶ Optimization of the “See & Treat” approach: by simply exchanging the diagnostic working sheath with the inner continuous flow resectoscopic sheath – without the need of re-introduction of the outer sheath. Diagnostic hysteroscopy and therapeutic resectoscopy can be performed during one single session.
- ▶ The bipolar mode increases safety by using saline solution as physiologic distension medium (NaCl 0,9%). Other important safety aspects are the reduced risk of intra- and post-operative complications.
- ▶ Cost minimization (shorter operating times, less anesthesia, less complication risk, less hospitalization).

## RESULTS FROM CLINICAL STUDIES ARE:

- ▶ Shorter operation times in comparison to conventional 24/26 Fr. systems and other small instrument systems of competitors<sup>1</sup>.
- ▶ Significantly less pain sensation – measured by VAS (Visual Analog Scale), even if compared to treatments under anesthesia with standard systems<sup>1,2</sup>.
- ▶ Progressive learning curve: The intuitive system enables surgeons to improve their technique with growing experience. To master the system, usually thirty procedures are required until a fast and nearly painless operation can be performed<sup>2</sup>.
- ▶ Optimally adjusted electrodes – even 90° resections are possible, despite the small diameters of the resectoscopic sheaths<sup>2</sup>.



Contemporary Gynecology has generally shifted towards gentler treatment methods. Communication on eye-level between doctor and patient has gained importance.

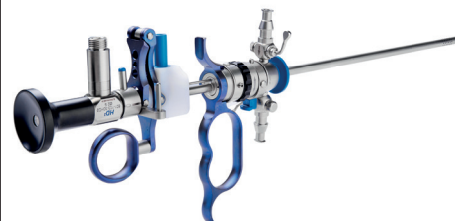
## CLINICAL VALIDATIONS:

<sup>1</sup> *Using a 16-French resectoscope as an alternative device in the treatment of uterine lesions: a randomized controlled trial.*  
Ricciardi R, Lanzone A, Tagliaferri V, Di Florio C, Ricciardi L, Selvaggi L, Guido M.;  
Source: Obstetrics and Gynecology; Date of publication: 2012 July; 120(1):160-5.

<sup>2</sup> *Feasibility and Acceptability of Office-Based Polypectomy with a 16F Mini-Resectoscope: A Multicenter Clinical Study.*  
Dealberti D, Riboni F, Cosma S, Pisani C, Montella F, Saitta S, Calagna G, Di Spiezio Sardo A. J Minimal Invasive Gynecology;  
Date of publication: 2016 Mar-Apr; 23(3): 418-24.

# WIDE SPECTRUM OF INDICATIONS

The versatile GUBBINI instruments can be applied to nearly all standard endo-uterine procedures and could replace common hysteroscopes widely used in outpatient 5 mm surgery.



Its extraordinary successful performance in polypectomy and myomectomy has been shown in clinical validations; the system even provides miniature preparation loops for the cold myoma enucleation technique (G1, G2 Myoma).

The GUBBINI SYSTEM is also used on indications which are difficult to treat, like Asherman syndrome, Isthmocele, resectoscopic procedures inside the cervical canal or lesions located in difficult positions.

What matters to the PATIENT about the Mini-Hystero-Resectoscope:

- ▶ Her surgery is as atraumatic as a gynecologic intervention can be
- ▶ She does not necessarily need anesthetics
- ▶ It allows her to go home right after an intervention for which she otherwise maybe would have to stay overnight

**Dr. Gubbini recommends following diagnostic and therapeutic options:**

**CERVICAL CANAL**  
Endocervical Polypectomy (upper, medium and lower third, ectocervical)

Targeted biopsy in case of unclear endocervical diagnosis

Hysteroscopic treatment of Isthmocele  
Synechiolysis

**UTERUS CAVITY**  
Biopsy of suspicious endometrial lesions

Polypectomy

Metroplasty: Hysteroscopic treatment of uterine malformations (f.e. Uterine Septum, Bicornuate Uterus)

Metrorrhagia/Abnormal Uterine Bleeding

Myomectomy (< 3 cm / 1.2 inch)

Endometrial ablation

Isthmocele

Asherman Syndrome

# DR. GIAMPIETRO GUBBINI



- At present** Practicing gynecologist, tutor und consultant for different competence centers in Italy and several countries in Europe, guest lecturing and workshops about the GUBBINI System at different institutions. Member and head of the scientific commission of the Italian Society for Gynecological Endoscopy (SEGi).
- since 2001** Chairman of the commission for accreditation of the Society for Gynecological Endoscopy (SEGi) and consultant gynecologic endoscopist at various public and private health institutions.
- since 1991** Senior counselor of the Italian Society for Gynecological Endoscopy and Laser Therapy (S.I.E.L.G.).
- 1981-1991** Head Doctor of the Gynecologic Endoscopy Unit, Department of Obstetrics at the University Hospital S. Orsola Malpighi, Bologna University.
- 1976-1981** University Hospital S. Orsola Malpighi, Bologna University. Specialist in Gynecology and Obstetrics.
- 1976** Specialist degree in Gynecology and Obstetrics: University of Bologna.
- 1972** University degree in Medical Science (M.D.): University of Bologna.

## SCIENTIFIC ACHIEVEMENTS/ PUBLICATIONS

Associate professor and tutor of hysteroscopic surgery in numerous medical institutions

Founder of 'ME-stop' centers for minimally-invasive treatment of Menorrhagia

Member of the American Association of Gynecologic Laparoscopists (AAGL)

Published more than 200 medical and scientific papers on sterility, oncology, obstetrics and gynecological endoscopy

Master mind and creative force of the 'GUBBINI' Mini-Resectoscope



ON THE GENTLE SIDE  
OF GYNECOLOGY



GUBBINI

## COMPONENTS FOR ALL THREE SYSTEMS

GUBBINIoriginal

◀ 16 Fr.

GUBBINIellipse

◀ 14.9 Fr.

GUBBINImidi

◀ 18.5 Fr.



## COMPONENTS FOR ALL THREE SYSTEMS

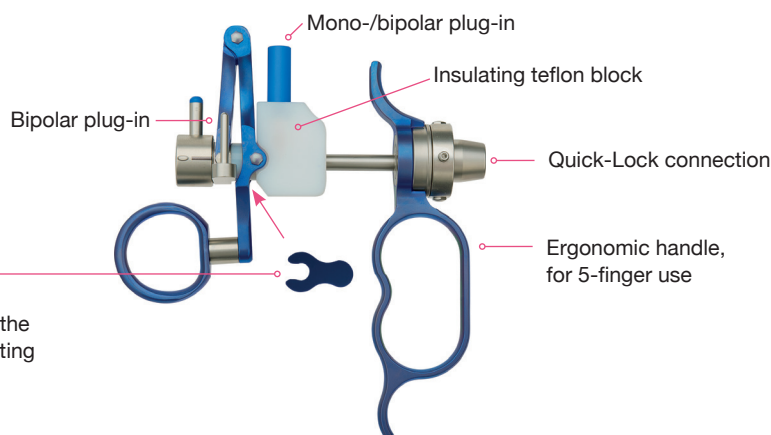
### ► GUBBINI working elements & HF-unit

Hybrid working elements for monopolar use or use with bipolar current in conductive solution (NaCl 0.9%) in combination with the Mini-Resectoscopes GUBBINI original and the GUBBINI ellipse, or the GUBBINI midi (all article numbers see below).

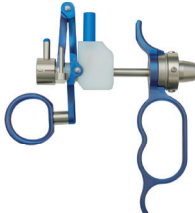
#### GUBBINI hybrid working elements:

Light-weight and extremely ergonomic working elements – made with sections of highly resistant titanium.

Safety distance holder, optional.  
The distance holder gets located at the working element between the insulating teflon block and the grip.



## GUBBINI WORKING ELEMENTS

| Description                                                                                                                                | Original/Ellipse | Midi        |                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------|---------------------------------------------------------------------------------------|
| For passive cutting / closed handle / with titanium hinge graduated / Quick-Lock system / suitable for Ø 2.9 mm 0°; 12° and 30° telescopes | 582-150-00GUB    | 582-180-00B |  |
| Safety distance holder (2.0 mm width) for bipolar working elements / 582-150-00GUB; 582-180-00B; 1 pc.                                     | 582-150-02GUB    |             |                                                                                       |

## HF UNIT AND HF CONNECTION CABLES

### HF UNIT PLASMA WAVE

| Description                                              | Art. No.             |  |
|----------------------------------------------------------|----------------------|--|
| PWT-400 Plasma Wave; HF generator for electrical surgery | 540-280-50 (PWT-400) |  |
| Twin foot switch                                         | 540-284-50           |  |

The GUBBINI-System is compatible with HF devices for monopolar and bipolar saline solution resectoscopes of most common brands. For a cable overview see section “ACCESSORIES” at the end of the catalogue.



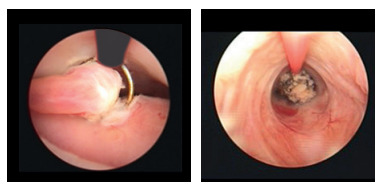


## COMPONENTS FOR ALL THREE SYSTEMS

- Ø 2.9 mm telescopes

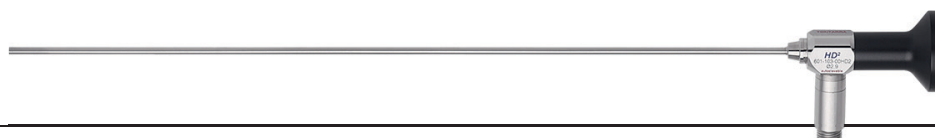
The „See & Treat“ approach has become a synonyme for office hysteroscopy. This already implies that the image quality is an essential criteria for each hysteroscopist: the clear visualization of a patient's pathology is not only a prerequisite for secure diagnostics and the choice of intervention, but as well vital for a successful performance of therapeutic treatment.

For recommendations which telescopes to use in hysteroscopy and resectoscopy for each of the GUBBINI systems see overview on pages 34 to 35.



Pictures by Dr. Giampietro Gubbini

Polypectomy performed with TONTARRA's Mini-Hystero-Resectoscope "GUBBINI".



### TELESOPES FOR GYNECOLOGY [autoclavable] ► Ø 2.9 mm

| Description    |                 |           | Art. No.      |                                                                               |
|----------------|-----------------|-----------|---------------|-------------------------------------------------------------------------------|
| TELESCOPE HD+2 | ► Ø 2.9 mm; 0°  | FL 300 mm | 601-103-00HD2 | · Field of view: 80°<br>· Compatible with most instrument- and camera systems |
| TELESCOPE HD+2 | ► Ø 2.9 mm; 12° | FL 300 mm | 601-103-12HD2 |                                                                               |
| TELESCOPE HD+2 | ► Ø 2.9 mm; 30° | FL 300 mm | 601-103-30HD2 |                                                                               |



“TONTARRA telescopes with the PLUS” feature a cutting edge optical technology which result in

- Exceptional brightness
- Brilliant, high contrast images even around the edges
- Optimum color rendering
- Outstanding optical transmission
- Scratch resistant (Sapphires at distal and proximal end)

The telescope body is made of stainless steel, providing extra high durability and outstanding autoclavability for spotless hygiene (French cycle validated).

The triple tube design warrants unique bending resistance.

We recommend to use the HD+2 telescopes, which are optimized for 2<sup>nd</sup> generation & Full HD imaging systems.

For further information please refer to our telescope catalogue, or contact your sales representative.

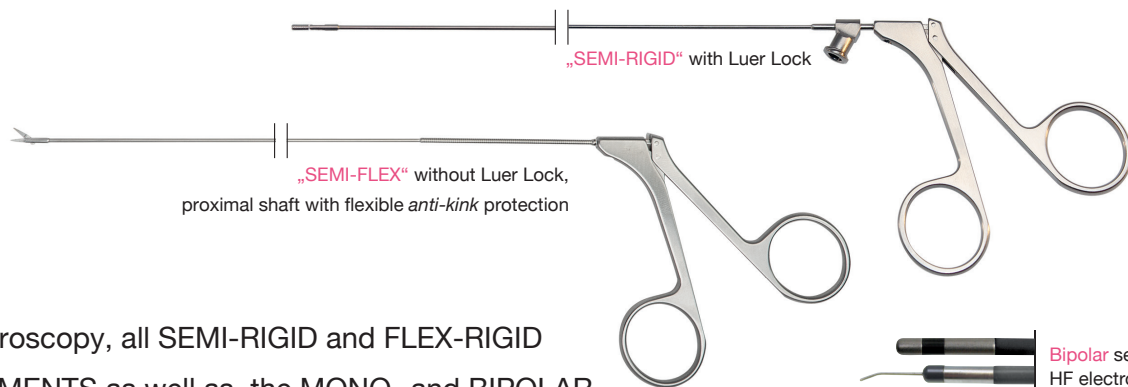


## COMPONENTS FOR ALL THREE SYSTEMS

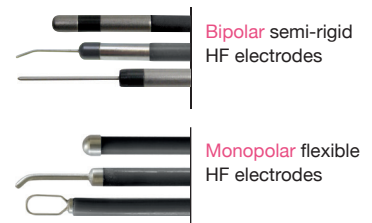
### ► Micro instrumentation

Most of the micro instruments can be used for all three systems.

Further information on MICRO INSTRUMENTS can be found on page 30.



In Hysteroscopy, all SEMI-RIGID and FLEX-RIGID INSTRUMENTS as well as the MONO- and BIPOLAR ELECTRODES can be equally used with the GUBBINI original, ellipse and midi system.

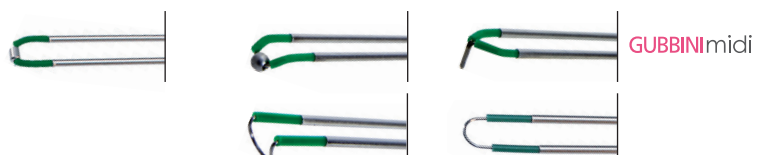


PREPARATION LOOPS (“Cold Loops”) used to prepare submucosal myoma for removal, are currently available for use with the GUBBINI original and ellipse system.



### HF ELECTRODES FOR RESECTOSCOPY

A variety of HF electrodes has been developed to provide optimal tools for resectoscopic procedures. They are available as reusable mono- & bipolar electrodes, and bipolar single-use electrodes. For GUBBINI original and ellipse the HF electrodes are mainly the same. An overview is provided in the respective chapter as well as a complete overview on page 33.





## COMPONENTS FOR ALL THREE SYSTEMS

- ▶ Continuous flow sheaths with different shapes

The GUBBINI original system features a round distal tip/sheath form, the introduction into the cervical canal does not require speculum, tenaculum nor Hegar dilators. Recently, sheaths with distal tip in teardrop-form were added to the GUBBINI System-Line: the GUBBINI ellipse instruments facilitate the introduction also in stenotic patients.

### GUBBINIoriginal



Round tip with small diameter: 16 Fr.

### GUBBINIellipse



Elliptic formed tip for an easier introduction into the cervical canal.  
Average diameter: 14.9 Fr.

### GUBBINImidi



Oblique formed tip, 18.5 Fr.;  
(Dilatation and anesthesia required).

## A KEY COMPONENT FOR ALL GUBBINI SYSTEMS: THE OUTER SHEATH

The one-time placement of the outer sheath, which remains inside the cervical canal during the change from hysteroscopic to resectoscopic procedures (and viceversa), optimally supports the „See & Treat“ approach of modern gynecology.

This procedural method clearly shortens the operating time and reduces the strain on patients. The Quick-Lock connection of all components enables an easy assembly and a smooth exchange of inner sheaths and working channel during the operation.

## GUBBINI CONTINUOUS FLOW OUTER SHEATHS

OUTER SHEATH to combine with non-rotatable and rotatable inner sheath and working sheath

### Description

### Art. No.

### Information

GUBBINI OUTER SHEATH; 16 Fr.



582-150-24GU

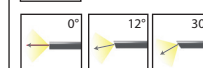
**FL** 194 mm



GUBBINI ELLIPSE OUTER SHEATH; 14.9 Fr.



582-150-24GUE



OUTER SHEATH; 18.5 Fr. non-rotatable or rotatable



582-180-22

Complete information about the order of continuous flow sheaths (consisting of outer and inner sheath) can be found in each dedicated chapter.

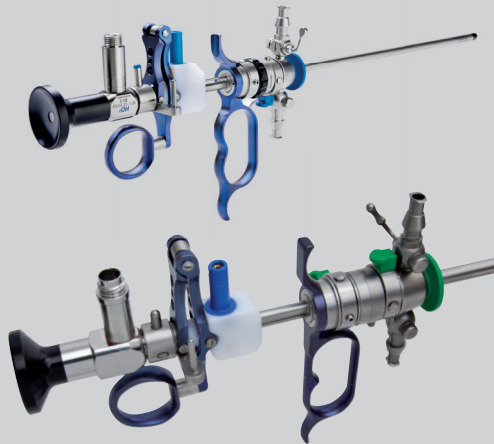


# GUBBINI

► Schematic overview

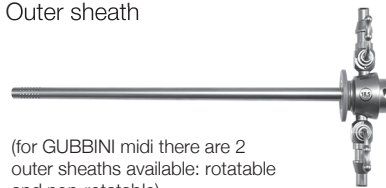
RESECTOSCOPY

GUBBINIoriginal  
GUBBINIellipse



GUBBINImidi

Outer sheath



(for GUBBINImidi there are 2  
outer sheaths available: rotatable  
and non-rotatable)

Obturator



(not available for GUBBINI ellipse)

Inner sheath; non-rotatable



Inner sheath; rotatable



(not available for GUBBINI ellipse)

Working sheath



HYSTEROSCOPY

GUBBINIoriginal



GUBBINIellipse

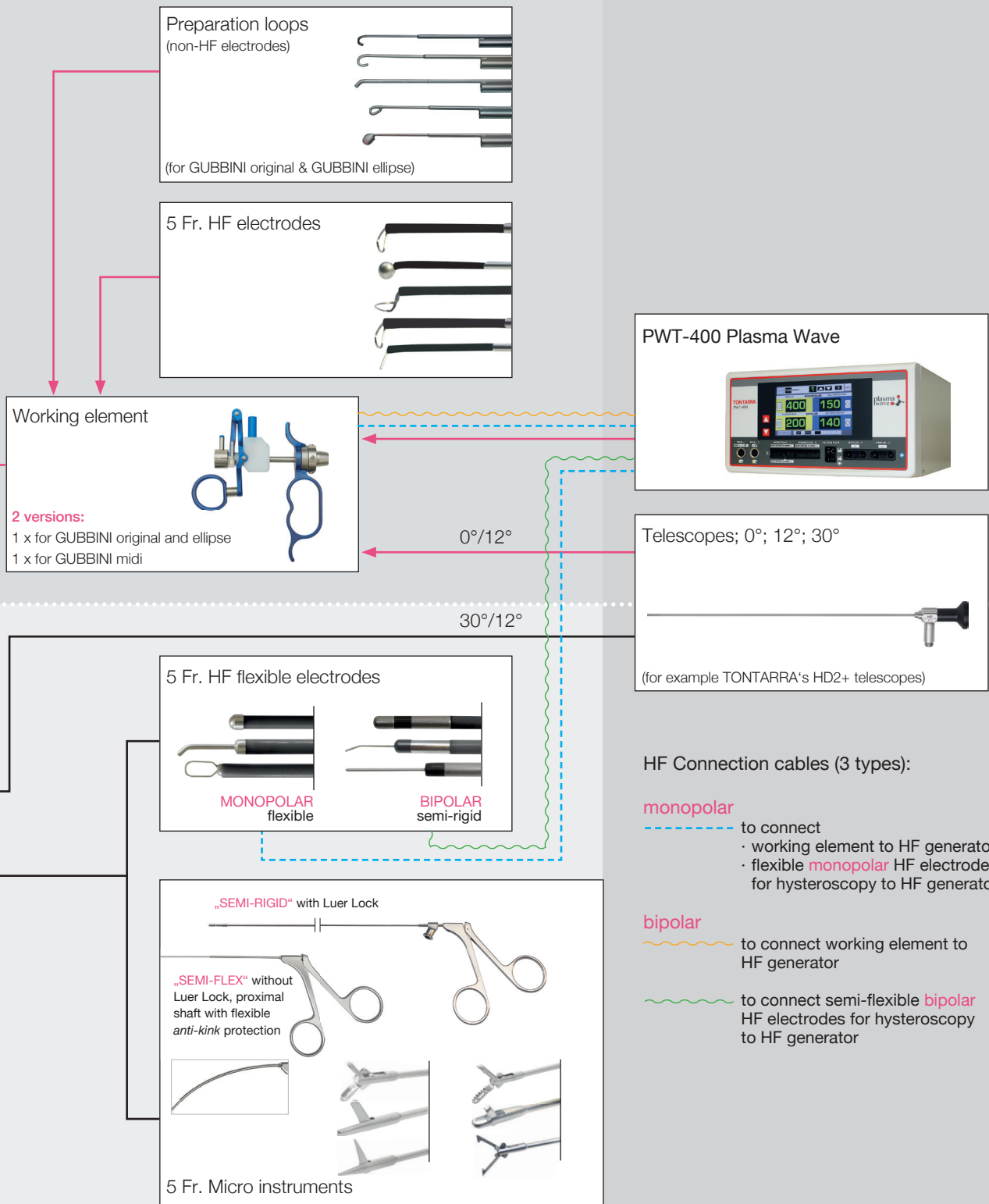


GUBBINImidi

## GUBBINI

### ► Schematic overview

GUBBINIoriginal  
GUBBINIellipse  
GUBBINImidi



RESECTOSCOPY

HYSTEROSCOPY





ON THE GENTLE SIDE  
OF GYNECOLOGY



GUBBINI

GUBBINIoriginal

HYSTEROSCOPY  
RESECTOSCOPY

◀ 16 Fr.

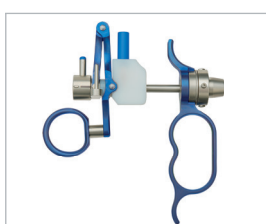
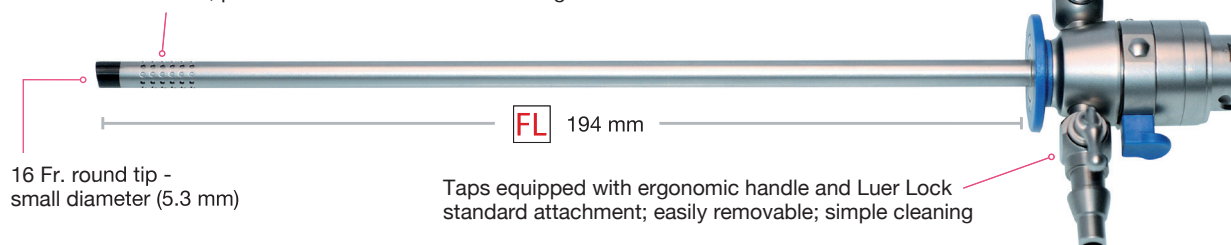


# GUBBINI MINI HYSTERO-RESECTOSCOPY SYSTEM “original”

## GUBBINI CONTINUOUS FLOW SHEATH; all-around perforation

- ▶ Rotatable/Non-rotatable

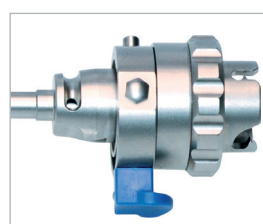
Distal lateral discharge perforations which, in combination with the inner sheath, provide an excellent continuous irrigation flow



Hybrid working element  
Art.No. 582-150-00GUB



Colored inflow/outflow sign



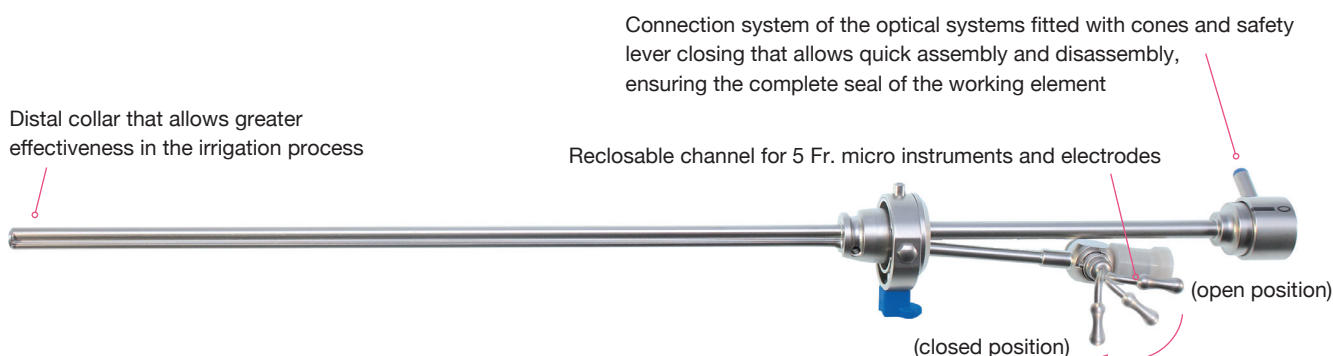
GUBBINI complete continuous flow sheath; **rotatable**

## GUBBINI WORKING SHEATH

- ▶ Transforms the mini-resectoscope into a highly versatile hysteroscope
- ▶ Change without removal of the outer sheath
- ▶ Easy assembly thanks to *QLS (Quick-Lock System)*



The particular structure of the working channel allows the introduction of micro instruments until the distal section of the tool. This allows the surgeon to carry out procedures safely and with a perfect field of view. We recommend to use a 2.9 mm Telescope 12° or 30°.



# GUBBINI MINI HYSTERO-RESECTOSCOPY SYSTEM “original”

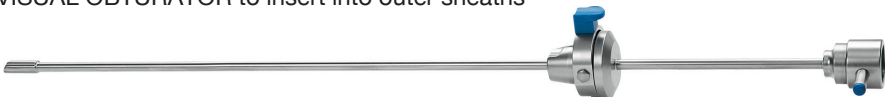
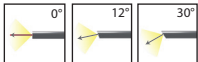


## GUBBINI CONTINUOUS FLOW SHEATHS; non-rotatable and rotatable ► 16 Fr.

For resectoscopic procedures – designed for use with non-HF preparation loops („Cold Loops“) and HF electrodes

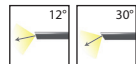
- Quick-Lock connections
- All-around perforation
- Telescope 0° recommended for resectoscopy



| Description                                                                                                                                                                             | Art. No.      | Information                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------------------------|
| GUBBINI OUTER SHEATH to combine with non-rotatable and rotatable inner sheaths and working sheath<br> | 582-150-24GU  |    |
| GUBBINI CONTINUOUS FLOW SHEATH;<br>non-rotatable inner sheath<br>                                    | 582-150-21GU  |                                                                                       |
| GUBBINI CONTINUOUS FLOW SHEATH;<br>rotatable inner sheath<br>                                       | 582-150-26GU  |                                                                                       |
| VISUAL OBTURATOR to insert into outer sheaths<br>                                                   | 582-150-30GU  |  |
| WORKING ELEMENT; for further information see page 8                                                                                                                                     | 582-150-00GUB |                                                                                       |

## GUBBINI WORKING SHEATH SYSTEM ► Telescope 12° and 30° recommended for hysteroscopy



| Description                                                                                                                                                                                                                               | Art. No.     |                                                                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|
| WORKING SHEATH with instrument channel 5 Fr. and channel for Ø 2.9 mm telescope. Designed for use with electrodes and 5 Fr. semi-rigid instruments<br> | 582-150-39GU |  |



## GUBBINI MINI-RESECTOSCOPY SYSTEM “original”

- ▶ Reusable electrodes for use with bipolar current and conductive solution (NaCl 0.9%)
- ▶ SALINÆ disposable electrodes for use with bipolar current and conductive solution (NaCl 0.9%)
- ▶ Reusable electrodes for use with monopolar current and non-conductive solution (Sorbitol, Mannitol, Glycine)



HF-ELECTRODES ▶ for use with working element Art. No. 582-150-00GUB

▶ telescopes 0°

▶ SALINÆ disposable electrodes: sterile; single packaged; 5 pc./unit



16 Fr.

| Description                                              | Art. No.        | Art. No.         |  |
|----------------------------------------------------------|-----------------|------------------|--|
|                                                          | <b>BIPOLAR</b>  | <b>MONOPOLAR</b> |  |
| HF-LOOP ELECTRODE SIZE 1 SMALL<br>▶ for 0° telescope     | —               | 582-150-40GU     |  |
| SALINÆ disposable electrode                              | 582-150-40GUB-S | —                |  |
| HF-LOOP ELECTRODE SIZE 2 LARGE<br>▶ 90° for 0° telescope | —               | 582-150-41GU     |  |
| SALINÆ disposable electrode                              | 582-150-41GUB-S | —                |  |
| HF-BALL ELECTRODE<br>▶ for 0°/12° telescopes             | —               | 582-150-42GU     |  |
| SALINÆ disposable electrode                              | 582-150-42GUB-S | —                |  |
| HF-KNIFE ELECTRODE<br>▶ 90° for 0°/12° telescopes        | —               | 582-150-43GU     |  |
| SALINÆ disposable electrode                              | 582-150-43GUB-S | —                |  |
| HF-LOOP ELECTRODE STRAIGHT<br>▶ for 0° telescope         | —               | 582-150-44GU     |  |
| SALINÆ disposable electrode                              | 582-150-44GUB-S | —                |  |

The GUBBINI original System is “fully hybrid” and can be used in mono- or bipolar mode. The trend clearly goes towards the use of saline-solution as distension medium for resectoscopic procedures thanks to its several advantages:

- less risk of hyponatremia and hypervolemia
- less distension volume/less strain on the tissue
- lower work temperature on tissue during surgery which results in less necrosis around the treated areas
- reduction of peripheral nerve stimulation, especially of the N.obturatorius.



ON THE GENTLE SIDE  
OF GYNECOLOGY



GUBBINI

GUBBINIellipse

HYSTEROSCOPY  
RESECTOSCOPY

◀ 14.9 Fr.



# EVALUATION “ELLIPSE” MINI-HYSTERO-RESECTOSCOPE SYSTEM

► By Dr. Giampietro Gubbini

The GUBBINI ELLIPSE SYSTEM extends the range of therapeutic options of modern hystero-resectoscopy and further diminishes the discomfort in patients.



- The “ELLIPSE” system marks the completion of the ambitious project “Mini-Hybrid Hystero-Resectoscope for mono- and bipolar use”, which was initiated several years ago with the aim to provide a less traumatic yet effective option for a wide range of hystero-resectoscopic interventions.

With the reduction of the diameter of commonly used 26 Fr. instruments to only 16 Fr. with a working channel of 5 Fr. (and a further reduction to 14.9 Fr. of the outer diameter in case of the ELLIPSE), the first high-performance mini-resectoscopes for all endo-uterine standard procedures have become available.

- By one-time placement of the outer sheath, which remains inside the cervical canal during the hysteroscopic (rather diagnostic) procedure and the resectoscopic (surgical) intervention, the already well-established “See & Treat” approach has been largely optimized.
- The elliptic profile makes the instrument more ergonomic and compliant towards the orifice of the uterine and cervical canal. The design of the ceramic coated distal section of the outer ELLIPSE sheath enables the use of 2.9 mm optics with 0° and 12° for hysteroscopic procedures, and allows to expand the “See and Treat” procedure of the mini-resectoscope by enabling the use of 0° and 12° telescopes.
- Hysteroscopic procedures on an outpatient basis with vaginoscopic approach and the treatment of pathologies, in which the mini-resectoscope with the round profil might encounter difficulties in its path due to extremely stenotic conditions – such as cervical or endometrial polyps or uterus septus – can now be performed with the clearly less atraumatic ELLIPSE mini-resectoscope, and could replace common hysteroscopes widely used in outpatient 5 mm surgery.



The GUBBINI ellipse model features the same high versatility than the other GUBBINI instruments with resectoscopic loops and tools for 5 Fr. working channels.

The loops available for this system correspond to the ones used with the original mini-resectoscope:

- HF-Loop electrode 1 size: small
- HF-Ball electrode
- HF-Knife electrode 90° angled





## GUBBINI MINI-HYSTERO-RESECTOSCOPY SYSTEM “ellipse”

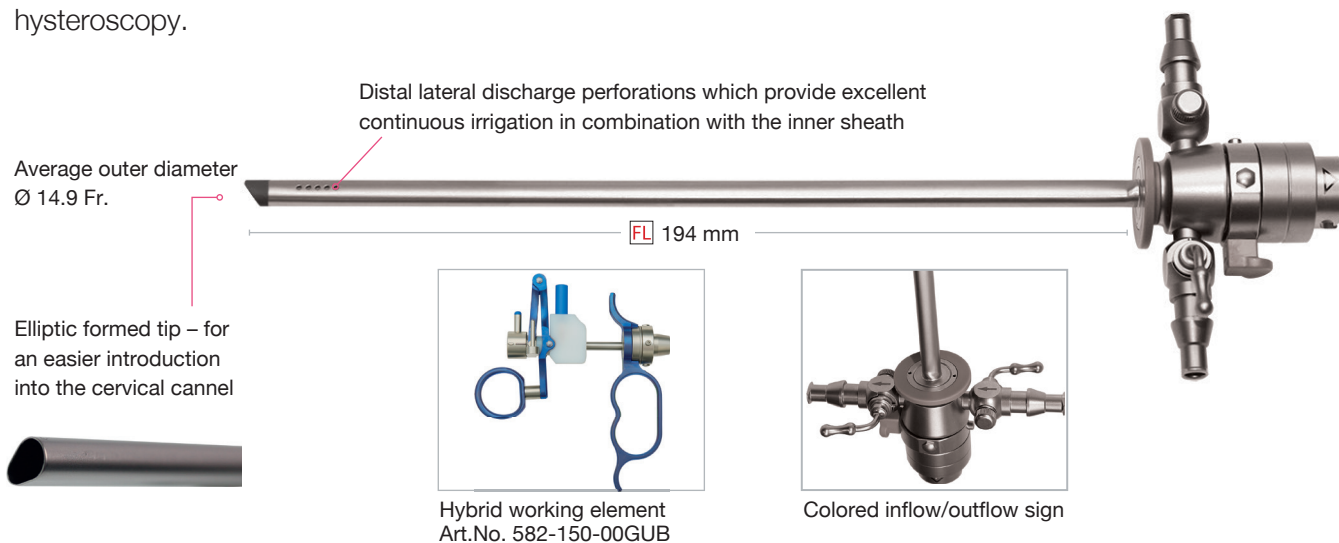
- ▶ Continuous flow sheath

### GUBBINI ellipse CONTINUOUS FLOW SHEATH; lateral perforation

- ▶ Non-rotatable

The GUBBINI ELLIPSE SYSTEM is characterized by the elliptic form of sheaths and working channel, with an average external diameter of the outer sheath of only 14.9 French.

The range of 5 Fr. micro instruments, some of them specifically designed for the GUBBINI ELLIPSE System, covers a wide field of applications: HF- and preparation electrodes for resectoscopic procedures, as well as flexible electrodes and semi-rigid hysteroscopic instruments, are indispensable tools in contemporary office hysteroscopy.

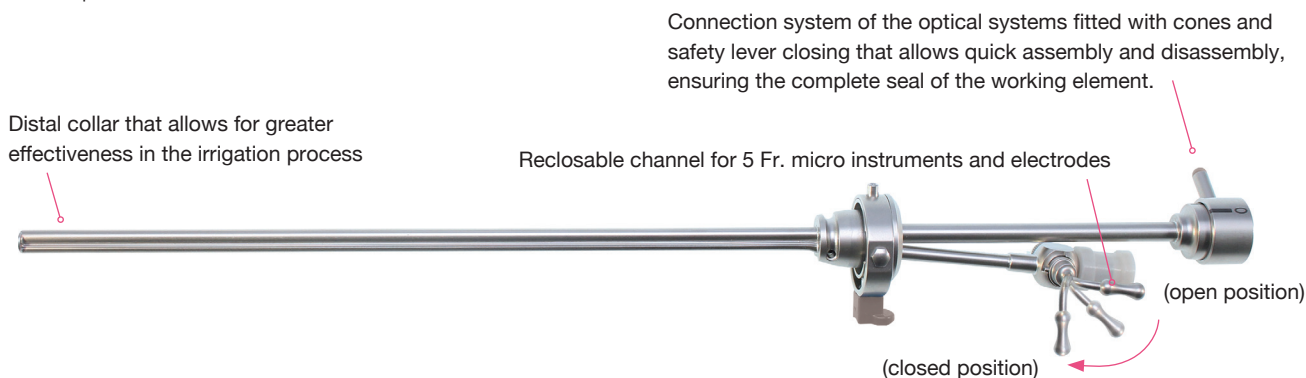


### GUBBINI ellipse WORKING SHEATH

- ▶ Transforms the mini-resectoscope into a highly versatile hysteroscope
- ▶ Change without removal of the outer sheath
- ▶ Easy assembly thanks to *QLS (Quick-Lock System)*



The particular structure of the working channel allows the introduction of micro instruments until the distal section of the tool. This allows the surgeon to carry out procedures safely and with a perfect field of view. We recommend to use a 2.9 mm telescope 12° or 30°.



# GUBBINI MINI-HYSTERO-RESECTOSCOPY SYSTEM “ellipse”

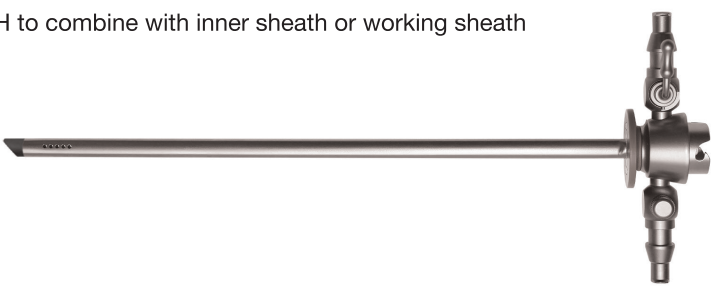


## GUBBINI ELLIPSE CONTINUOUS FLOW SHEATH ► 14.9 Fr.

For resectoscopic procedures - designed for use with non-HF preparation loops and HF-electrodes

- *Quick-Lock* connections
- All-around perforation
- Telescope 0° and 12° recommended for resectoscopy



| Description                                                                                 | Art. No.      | Information |
|---------------------------------------------------------------------------------------------|---------------|-------------|
| GUBBINI ELLIPSE OUTER SHEATH<br>OUTER SHEATH to combine with inner sheath or working sheath | 582-150-24GUE | 0°          |
|          |               |             |
| GUBBINI ELLIPSE CONTINUOUS FLOW SHEATH<br>INNER SHEATH non-rotatable                        | 582-150-21GUE | 0°          |
|         |               |             |
| WORKING ELEMENT; further information see page 8                                             | 582-150-00GUB |             |

## GUBBINI ELLIPSE WORKING SHEATH

- Telescope 12° and 30° recommended for hysteroscopy



| Description                                                                                                                                         | Art. No.      | Information |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|
| WORKING SHEATH with instrument channel 5 Fr. and channel for Ø 2.9 mm telescope. Designed for use with electrodes and 5 Fr. semi-rigid instruments. | 582-150-39GUE | 12° 30°     |
|                                                                  |               |             |

- The ELLIPSE WORKING SHEATH: transforms the mini-resectoscope into a highly versatile hysteroscope
- Adapted to the elliptic form of the outer sheath
- Change without removal of the outer sheath
- Easy assembly thanks to QLS (*Quick-Lock System*)



## GUBBINI MINI-RESECTOSCOPY SYSTEM “ellipse”

- ▶ Reusable electrodes for use with bipolar current and conductive solution (NaCl 0.9%)
- ▶ SALINÆ disposable electrodes for use with bipolar current and conductive solution (NaCl 0.9%)
- ▶ Reusable electrodes for use with monopolar current and non-conductive solution (Sorbitol, Mannitol, Glycine)



**HF-ELECTRODES** ▶ for use with working element; Art. No. 582-150-00GUB

▶ recommended telescopes 0°/12°

▶ SALINÆ disposable electrodes: sterile; single packaged; 5 pc./unit

➡ 14.9 Fr.

| Description                                           | Art. No.         | Art. No.         |  |
|-------------------------------------------------------|------------------|------------------|--|
|                                                       | <b>BIPOLAR</b>   | <b>MONOPOLAR</b> |  |
| HF-LOOP ELECTRODE SIZE 1 SMALL<br>▶ for 12° telescope | —                | 582-150-40GU     |  |
| SALINÆ disposable electrode                           | 582-150-40GUBE-S | —                |  |
| HF-BALL ELECTRODE;<br>▶ for 0°/12° telescope          | —                | 582-150-42GU     |  |
| SALINÆ disposable electrode                           | 582-150-42GUB-S  | —                |  |
| HF-KNIFE ELECTRODE<br>▶ 90° for 0°/12° telescope      | —                | 582-150-43GU     |  |
| SALINÆ disposable electrode                           | 582-150-43GUB-S  | —                |  |

The GUBBINI ellipse System is “fully hybrid” and can be used in mono- or bipolar mode. The trend clearly goes towards the use of saline-solution as distension medium for resectoscopic procedures thanks to its several advantages:

- less risk of hyponatremia and hypervolemia
- less distension volume/less strain on the tissue
- lower work temperature on tissue during surgery which results in less necrosis around the treated areas
- reduction of peripheral nerve stimulation, especially of the N.obturatorius.





ON THE GENTLE SIDE  
OF GYNECOLOGY



GUBBINI

GUBBINImidi

◀ 18.5 Fr.

HYSTEROSCOPY  
RESECTOSCOPY

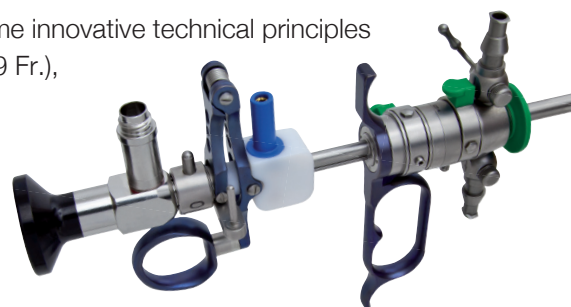


## GUBBINI HYSTERO-RESECTOSCOPY SYSTEM „midi“

► 18.5 Fr.

The **GUBBINI midi** hystero-resectoscope 18.5 French is based on the same innovative technical principles than its smaller siblings GUBBINI original (16 Fr.) and GUBBINI ellipse (14.9 Fr.), and is suitable for use with:

► **bipolar current** and conductive saline solution (NaCl 0.9%)



Even though the size requires dilation of the cervix and with that anesthesia, the small diameter and the time-saving one-time placement of the outer sheath clearly reduces unnecessary tissue damages as well as the strain on patients.

The GUBBINI midi features the excellent functionality and handiness of all GUBBINI systems. Furthermore, the size of the loops facilitate treatment of larger myoma or more extended intracavitary lesions.

- One-time placement of outer sheath
- Rotatable and non-rotatable inner and outer sheaths are available
- To be used with Ø 2.9 mm, 0°, 12°, 30° telescopes
- Variety of specially designed HF electrodes, preparation electrodes and semi-rigid instruments are available
- *Quick-Lock* connection system: Easy assembly and disassembly allows a smooth change of sheaths during an intervention. There is a tight sealing of the two connected sheaths
- Working element with structural sections and hinges of light-weighted Titanium
- Perfectly optimized continuous flow rate for a clear view

GUBBINI midi continuous flow sheath; **rotatable**



Working sheath



GUBBINI midi inner sheath;  
**non-rotatable**

GUBBINI midi Tip with  
loop electrode;  
30° angled

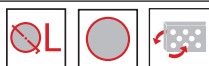


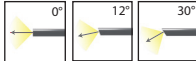
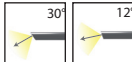
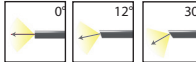
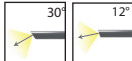


# GUBBINI HYSTERO-RESECTOSCOPY SYSTEM “midi”

► Sheath overview

## GUBBINI MIDI SYSTEM



| Rotatable                                                                                                                                                                               | Colour code    | Art. No.   | Information                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|---------------------------------------------------------------------------------------|
| <b>OUTER SHEATH</b><br>► 18.5 Fr.<br>                                                                  | ■ green        | 582-180-24 |    |
| <b>INNER SHEATH</b><br>► 17.5 Fr.<br>                                                                  | ■ green        | 582-180-26 |                                                                                       |
| <b>WORKING SHEATH with instrument channel 5 Fr.</b><br>for use with 582-180-24<br>► for 18.5 Fr.<br>  | ■ green        | 582-180-39 |    |
| Not-rotatable                                                                                                                                                                           |                |            |                                                                                       |
| <b>OUTER SHEATH</b><br>► 18.5 Fr.<br>                                                                | ■ ■ green/blue | 582-180-22 |  |
| <b>INNER SHEATH</b><br>► 17.5 Fr.<br>                                                                | ■ green        | 582-180-21 |                                                                                       |
| <b>WORKING SHEATH with instrument channel 5 Fr.</b><br>for use with 582-180-22<br>► for 18.5 Fr.<br> | ■ ■ green/blue | 582-180-38 |  |



## GUBBINI RESECTOSCOPY SYSTEM “midi”

- ▶ Reusable electrodes for use with bipolar current and conductive solution (NaCl 0.9%)
- ▶ SALINÆ disposable electrodes for use with bipolar current and conductive solution (NaCl 0.9%)

**HF ELECTRODES** ▶ for use with working element; Art. No. 582-180-00B

▶ recommended telescopes 12° and 30°

▶ SALINÆ disposable electrodes: single packaged; 5 pc./unit



18.5 Fr.

| Description                   | Colour code | Art. No.       | Art. No.                 |  |
|-------------------------------|-------------|----------------|--------------------------|--|
|                               |             | <b>BIPOLAR</b> | <b>SALINÆ disposable</b> |  |
| HF loop electrode; 30° angled | ■ green     | 582-180-40B    | 582-180-40B-S            |  |
| HF loop electrode; straight   | ■ green     | 582-180-41B    | 582-180-41B-S            |  |
| HF knife electrode            | ■ green     | 582-180-42B    | 582-180-42B-S            |  |
| HF ball electrode; Ø 2 mm     | ■ green     | 582-180-43B    | 582-180-43B-S            |  |
| HF roller electrode; Ø 2 mm   | ■ green     | 582-180-44B    | —                        |  |

For HF connection cables see overview in chapter “ACCESSORIES“

## GUBBINI midi WORKING ELEMENT

| Description                                                                                                                                | MIDI          |  |
|--------------------------------------------------------------------------------------------------------------------------------------------|---------------|--|
| For passive cutting / closed handle / with titanium hinge graduated / Quick Lock system / suitable for Ø 2.9 mm 0°; 12° and 30° telescopes | 582-180-00B   |  |
| Safety distance holder (2.0 mm width) for bipolar working element 582-180-00B; 1 pc.                                                       | 582-150-02GUB |  |

- less risk of hyponatremia and hypervolemia
- less distension volume/less strain on the tissue
- lower work temperature on tissue during surgery which results in less necrosis around the treated areas
- reduction of peripheral nerve stimulation, especially of the N.obturatorius.



ON THE GENTLE SIDE  
OF GYNECOLOGY



GUBBINI

## MICRO-INSTRUMENTS

GUBBINIoriginal

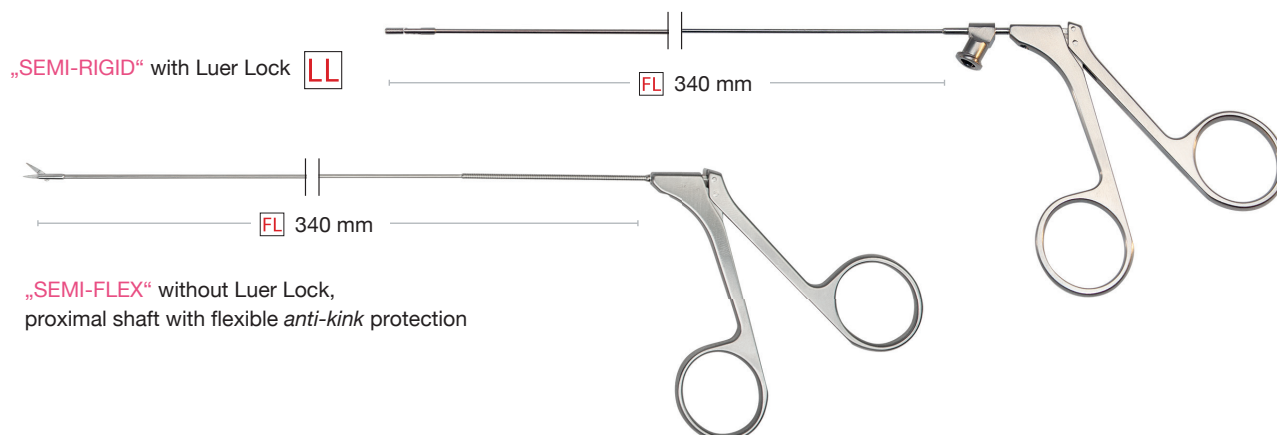
GUBBINIe||ipse

GUBBINImidi



## MICRO INSTRUMENTS FOR HYSTEROSCOPY

- ▶ Semi-rigid & semi-flexible instruments for instrument channel 5 Fr. for all three systems
- ▶ Available with Luer Lock, or proximal shaft with flexible *anti-kink* protection and *without* Luer Lock



### SEMI-RIGID INSTRUMENTS Ø 1.6 mm ▶ with LUER LOCK or ANTI-KINK protection

| Description                                                                | Semi-Rigid<br>(LuerLock) | Semi-Flex<br>(Anti-Kink protection) |  |
|----------------------------------------------------------------------------|--------------------------|-------------------------------------|--|
| BIOPSY FORCEPS<br>▶ oval<br>▶ double action                                | 583-214-16LL             | —                                   |  |
| SCISSORS<br>▶ blunt<br>▶ single action                                     | 583-228-16LL             | 583-228-16FS                        |  |
| SCISSORS<br>▶ pointed<br>▶ single action                                   | 583-229-16LL             | 583-229-16FS                        |  |
| BIOPSY AND GRASPING FORCEPS<br>▶ oval<br>▶ double action                   | 583-256-16LL             | 583-256-16FS                        |  |
| PUNCH<br>▶ through-cutting<br>▶ single action                              | 583-258-16LL             | —                                   |  |
| TENACULUM FORCEPS<br>▶ oval<br>▶ double action                             | 583-278-16LL             | —                                   |  |
| BIOPSY FORCEPS<br>▶ oval, Ø 1.2 mm<br>▶ double action, with pin            | 583-250-16G              | —                                   |  |
| BIOPSY FORCEPS<br>▶ oval, Ø 1.2 mm, FL 400 mm<br>▶ double action, with pin | 583-250-40G              | —                                   |  |
| MYOMA FIXATION instrument                                                  | 583-280-00               | —                                   |  |

# GUBBINI SYSTEM: HF ELECTRODES FOR HYSTEROSCOPY

- Mono- and bipolar HF electrodes for all three systems

GUBBINI original  
GUBBINI ellipse  
GUBBINI midi



HF ELECTRODES; **MONOPOLAR**; flexible ► **FL** 470 mm

|              |                                                                                   |                                                                                    |                                                                                     |
|--------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|              |  |  |  |
| <b>Size</b>  | <b>Button electrode</b>                                                           | <b>Needle electrode; angled</b>                                                    | <b>Loop electrode</b>                                                               |
| <b>5 Fr.</b> | 582-510-05                                                                        | 582-511-05                                                                         | 582-514-05                                                                          |



HF ELECTRODES; **BIPOLAR**; semi-rigid ► **FL** 360 mm Size 5 Fr.

|                                                                                     |                                                                                     |                                                                                      |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |
| <b>Button electrode</b>                                                             | <b>Needle electrode;<br/>angled 45°</b>                                             | <b>Needle electrode;<br/>angled 90°</b>                                              | <b>Needle electrode;<br/>straight</b>                                                 |
| 582-515-05                                                                          | 582-516-05                                                                          | 582-518-05                                                                           | 582-517-05                                                                            |

## GUBBINI SYSTEM: RESECTOSCOPY

- Preparation Loops ("Cold Loops") for GUBBINI original and GUBBINI ellipse SYSTEM

GUBBINI original  
GUBBINI ellipse



"Cold Loops": Efficient & safe myomectomy of submucosal myoma  
Designed specifically for treating submucosal G1 and G2 Myomas



"Cold Loops", so-called because they are used without HF current, only employ mechanical energy for enucleation.

### PREPARATION LOOPS („Cold Loops“)

- for use with working element Art. No. 582-150-00GUB and round continuous flow sheath → 16 Fr.

| Description                             | Art. No.     |  |
|-----------------------------------------|--------------|--|
| J-HOOK PREPARATION LOOP; small; non-HF  | 582-150-45GU |  |
| J-HOOK PREPARATION LOOP; medium; non-HF | 582-150-46GU |  |
| CIRCULAR PREPARATION LOOP; non-HF       | 582-150-47GU |  |
| LANCET PREPARATION LOOP 60°; non-HF     | 582-150-48GU |  |
| SPATULA PREPARATION LOOP; non-HF        | 582-150-49GU |  |

- For currentless use only
- CAUTION: The preparation loops may never be used when the current is on. Make absolutely sure that the resectoscope is not connected to any HF-unit when you are using the preparation loops.

### Advantages of "Cold Loops" and the mechanical enucleation technique:

- Less traumatizing intervention: less weakening of the myometrium
- Avoidance of thermal damage to blood vessels: the vascularized connective tissue bridges are lacerated without use of any type of HF current
- No forming of fibrotic scarring during the healing process

### THE METHOD IN SHORT:

Following the elimination of the intracavitary component using the traditional resectoscopic „slicing“ technique with a monopolar or bipolar current, the intramural component gets removed by using „Cold Loops“ by exercising force in the cleavage space between the myoma and the surrounding myometrium to separate the myoma from the uterine wall. Thus, the intramural component of the myoma is transformed into an intracavitary component, which can then be removed using the traditional technique.

# GUBBINI SYSTEM: RESECTOSCOPY

- HF electrodes for all 3 systems – overview

GUBBINIoriginal  
GUBBINIellipse  
GUBBINImidi



SALINÆ electrodes:  
disposable; sterile;  
single packaged; 5 pc./unit

## HF-ELECTRODES GUBBINIoriginal GUBBINIellipse

- for use with working element Art. No. 582-150-00GUB

<sup>1</sup> GUBBINI Classic System (round sheaths): 0° telescope <sup>2</sup> GUBBINI Ellipse System (tear-drop formed sheaths): recommended telescopes 0°; 12°

| Description                         | Art. No.         | Art. No.     |  | for Telescopes 2.9 mm |                |     |
|-------------------------------------|------------------|--------------|--|-----------------------|----------------|-----|
|                                     |                  |              |  | 0°                    | 12°            | 30° |
| HF-LOOP ELECTRODE SIZE 1 SMALL      | —                | 582-150-40GU |  | x <sup>1</sup>        | —              | —   |
| SALINÆ disposable electrode         | 582-150-40GUB-S  | —            |  |                       |                |     |
| HF-LOOP ELECTRODE SIZE 1 SMALL      | —                | 582-150-40GU |  | x <sup>2</sup>        | x <sup>2</sup> | —   |
| SALINÆ disposable electrode         | 582-150-40GUBE-S | —            |  |                       |                |     |
| HF-LOOP ELECTRODE SIZE 2 LARGE; 90° | —                | 582-150-41GU |  | x <sup>1</sup>        | —              | —   |
| SALINÆ disposable electrode         | 582-150-41GUB-S  | —            |  |                       |                |     |
| HF-BALL ELECTRODE                   | —                | 582-150-42GU |  | x <sup>1+2</sup>      | x <sup>2</sup> | —   |
| SALINÆ disposable electrode         | 582-150-42GUB-S  | —            |  |                       |                |     |
| HF-KNIFE ELECTRODE; 90°             | —                | 582-150-43GU |  | x <sup>1+2</sup>      | x <sup>2</sup> | —   |
| SALINÆ disposable electrode         | 582-150-43GUB-S  | —            |  |                       |                |     |
| HF-LOOP ELECTRODE STRAIGHT          | —                | 582-150-44GU |  | x <sup>1</sup>        | —              | —   |
| SALINÆ disposable electrode         | 582-150-44GUB-S  | —            |  |                       |                |     |

## HF ELECTRODES GUBBINImidi

- for use with working element Art. No. 582-180-00B, for bipolar use only

| Description                   | Art. No       |  | for Telescopes 2.9 mm |     |     |
|-------------------------------|---------------|--|-----------------------|-----|-----|
|                               |               |  | 0°                    | 12° | 30° |
| HF-LOOP ELECTRODE; 30° angled | 582-180-40B   |  | (x)                   | x   | x   |
| SALINÆ disposable electrode   | 582-180-40B-S |  |                       |     |     |
| HF LOOP ELECTRODE; straight   | 582-180-41B   |  | x                     | (x) | (x) |
| SALINÆ disposable electrode   | 582-180-41B-S |  |                       |     |     |
| HF KNIFE ELECTRODE            | 582-180-42B   |  | (x)                   | x   | x   |
| SALINÆ disposable electrode   | 582-180-42B-S |  |                       |     |     |
| HF BALL ELECTRODE; Ø 2 mm     | 582-180-43B   |  | (x)                   | x   | x   |
| SALINÆ disposable electrode   | 582-180-43B-S |  |                       |     |     |
| HF ROLLER ELECTRODE; Ø 2 mm   | 582-180-44B   |  | (x)                   | x   | x   |



# GUBBINI HYSTEROSCOPY & RESECTOSCOPY SYSTEM

- ▶ **G** recommended by Dr. GUBBINI
- ▶ **C** compatible
- ▶ **-** not compatible

## RESECTOSCOPY

| GUBBINI Models                                             | TELESCOPE Ø 2.9 mm |              |               | GUBBINI COMPONENTS |               |                          |                        |
|------------------------------------------------------------|--------------------|--------------|---------------|--------------------|---------------|--------------------------|------------------------|
|                                                            | 0°                 | 12°          | 30°           | Outer Sheath       | Inner Sheath  | Obturator                | Working element hybrid |
|                                                            | 601-103-00HD2      | 601-103-12HD | 601-103-30HD2 |                    |               |                          |                        |
| GUBBINI original resectoscope 16 Fr. <i>rotatable</i>      | <b>G</b>           | -            | -             | 582-150-24GU       | 582-150-26GU  | 582-150-30GU<br>(Visual) | 582-150-00GUB          |
| GUBBINI original resectoscope 16 Fr. <i>non-rotatable</i>  | <b>G</b>           | -            | -             |                    | 582-150-21GU  |                          |                        |
| GUBBINI ellipse resectoscope 14.9 Fr. <i>non-rotatable</i> | <b>G</b>           | <b>C</b>     | -             | 582-150-24GUE      | 582-150-21GUE | -                        |                        |
| GUBBINI midi resectoscope 18.5 Fr. <i>rotatable</i>        | <b>C</b>           | <b>G</b>     | <b>G</b>      | 582-180-24         | 582-180-26    | 582-180-23               | 582-180-00GUB          |
| GUBBINI midi resectoscope 18.5 Fr. <i>non-rotatable</i>    | <b>C</b>           | <b>G</b>     | <b>G</b>      | 582-180-22         | 582-180-21    |                          |                        |

## HYSTEROSCOPY

**HF UNIT GENERATOR**

| GUBBINI Models                                              | TELESCOPE Ø 2.9 mm |              |               | GUBBINI COMPONENTS |                |                  |                        |
|-------------------------------------------------------------|--------------------|--------------|---------------|--------------------|----------------|------------------|------------------------|
|                                                             | 0°                 | 12°          | 30°           | Outer Sheath       | Working Sheath | Visual Obturator | Working element hybrid |
|                                                             | 601-103-00HD2      | 601-103-12HD | 601-103-30HD2 |                    |                |                  |                        |
| GUBBINI original hysteroscope                               | <b>C</b>           | <b>G</b>     | <b>G</b>      | 582-150-24GU       | 582-150-39GU   | -                | -                      |
| GUBBINI ellipse hysteroscope                                | <b>C</b>           | <b>G</b>     | <b>G</b>      | 582-150-24GUE      | 582-150-39GUE  | -                | -                      |
| GUBBINI midi hysteroscope (with rotatable outer sheath)*    | <b>C</b>           | <b>G</b>     | <b>G</b>      | 582-180-22         | 582-180-39     | -                | -                      |
| GUBBINI midi hysteroscope (with non-rotatable outer sheath) | <b>C</b>           | <b>G</b>     | <b>G</b>      | 582-180-22         | 582-180-38     |                  |                        |

\* During hysteroscopic procedures, the outer rotatable sheath is not turnable; for technical reasons it requires another working sheath than the non-turnable outer sheath. The functionality of both MIDI hysteroscopes is identical.



# GUBBINI HYSTEROSCOPY & RESECTOSCOPY SYSTEM

- ▶ **G** recommended by Dr. GUBBINI
- ▶ **C** compatible
- ▶ **-** not compatible

## RESECTOSCOPY

| GUBBINI MICRO INSTRUMENTATION & LOOPS FOR RESECTOSCOPY |                  |              |                                                                                         |                                                  |                                            |                                              | GUBBINI<br>Models                         |                                                             |
|--------------------------------------------------------|------------------|--------------|-----------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------|----------------------------------------------|-------------------------------------------|-------------------------------------------------------------|
| HF RESECTOSCOPY ELECTRODES                             |                  |              | „COLD LOOPS“ (non-HF Loops)                                                             |                                                  |                                            |                                              |                                           |                                                             |
|                                                        | bipolar          | monopolar    | J-hook preparation loop; small;<br>582-150-45GU                                         | J-hook preparation loop; medium;<br>582-150-46GU | Circular preparation loop;<br>582-150-47GU | Lancet preparation loop 45°;<br>582-150-48GU | Spatula preparation loop;<br>582-150-49GU | GUBBINI original<br>resectoscope 16 Fr.<br><i>rotatable</i> |
| HF-LOOP ELECTRODE SIZE 1 SMALL                         | —                | 582-150-40GU |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| SALINÆ disposable electrode                            | 582-150-40GUB-S  | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| HF-LOOP ELECTRODE SIZE 1 SMALL                         | —                | 582-150-40GU |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| SALINÆ disposable electrode                            | 582-150-40GUBE-S | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| HF-LOOP ELECTRODE SIZE 2 LARGE; 90°                    | —                | 582-150-41GU |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| SALINÆ disposable electrode                            | 582-150-41GUB-S  | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| HF-BALL ELECTRODE                                      | —                | 582-150-42GU |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| SALINÆ disposable electrode                            | 582-150-42GUB-S  | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| HF-KNIFE ELECTRODE; 90°                                | —                | 582-150-43GU |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| SALINÆ disposable electrode                            | 582-150-43GUB-S  | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| HF-LOOP ELECTRODE STRAIGHT                             | —                | 582-150-44GU |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| SALINÆ disposable electrode                            | 582-150-44GUB-S  | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| HF-LOOP ELECTRODE; 30° angled                          | 582-180-40B      | —            | Please inquire for<br>further information<br>about „Cold Loops“<br>for the Midi-System. |                                                  |                                            |                                              |                                           | GUBBINI midi<br>resectoscope 18.5 Fr.<br><i>rotatable</i>   |
| SALINÆ disposable electrode                            | 582-180-40B-S    | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| HF LOOP ELECTRODE; straight                            | 582-180-41B      | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| SALINÆ disposable electrode                            | 582-180-41B-S    | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| HF KNIFE ELECTRODE                                     | 582-180-42B      | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| SALINÆ disposable electrode                            | 582-180-42B-S    | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| HF BALL ELECTRODE; Ø 2 mm                              | 582-180-43B      | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| SALINÆ disposable electrode                            | 582-180-43B-S    | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| HF ROLLER ELECTRODE; Ø 2 mm                            | 582-180-44B      | —            |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |
| PWT-400 PLASMA WAVE                                    | 540-280-40       | HYSTEROSCOPY |                                                                                         |                                                  |                                            |                                              |                                           |                                                             |

| FLEXIBLE HF-ELECTRODES                                                                                                       |                                                                                                                  |  | SEMI-RIGID/SEMI-FLEX INSTRUMENTS                                                                                                                                                                                                                                                                                                                                                                                |                                  |  | GUBBINI<br>Models |
|------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|--|-------------------|
| bipolar<br>semi-rigid                                                                                                        | monopolar<br>flexible                                                                                            |  | Extension of article-numbers:<br>LL = semi-sigid / FS = semi-flex                                                                                                                                                                                                                                                                                                                                               |                                  |  |                   |
| Button electrode<br>582-515-05<br><br>Needle electrode, angled<br>582-516-05<br><br>Needle electrode, straight<br>582-517-05 | Button electrode<br>582-510-05<br><br>Needle electrode, angled<br>582-511-05<br><br>Loop electrode<br>582-514-05 |  | Biopsy forceps; oval double action<br>583-214-16 (LL)<br><br>Scissors blunt; single action<br>583-228-16 (LL/FS)<br><br>Scissors pointed<br>583-229-16 (LL/FS)<br><br>Biopsy and grasping forceps; oval<br>single action<br>583-256-16 (LL/FS)<br><br>Punch trough-cutting<br>583-258-16 (LL)<br><br>Tenaculum forceps; oval<br>double action<br>583-278-16 (LL)<br><br>Myoma fixation instrument<br>583-280-00 | GUBBINI original<br>hysteroscope |  |                   |
|                                                                                                                              |                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 | GUBBINI ellipse<br>hysteroscope  |  |                   |
|                                                                                                                              |                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 | GUBBINI midi<br>hysteroscope     |  |                   |
| GUBBINI midi<br>hysteroscope                                                                                                 |                                                                                                                  |  |                                                                                                                                                                                                                                                                                                                                                                                                                 |                                  |  |                   |





ON THE GENTLE SIDE  
OF GYNECOLOGY



GUBBINI

ACCESSORIES

GUBBINIoriginal

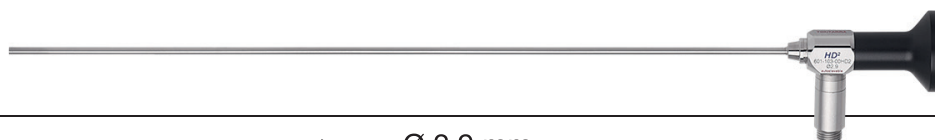
GUBBINIellipse

GUBBINImidi



## ACCESSORIES FOR GUBBINI SYSTEMS

► Telescopes & equipment



### TELESCOPES [autoclavable]

► Ø 2.9 mm

| Description                              | Art. No.      |                                                                               |
|------------------------------------------|---------------|-------------------------------------------------------------------------------|
| TELESCOPE HD+2 ► Ø 2.9 mm; 0° FL 300 mm  | 601-103-00HD2 | · Field of view: 80°<br>· Compatible with most instrument- and camera systems |
| TELESCOPE HD+2 ► Ø 2.9 mm; 12° FL 300 mm | 601-103-12HD2 |                                                                               |
| TELESCOPE HD+2 ► Ø 2.9 mm; 30° FL 300 mm | 601-103-30HD2 |                                                                               |



### FIBER LIGHT GUIDE CABLES Ø 3.5 mm

► Stability & resistance for a long life time  
 ► without connectors

| Description                                  | Standard Cold Light Line          | HTT High Temperature Technology Line                                                                                                                                                                                                                                                                                            |   |
|----------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Cold light sources                           | HALOGEN<br>careful w/Xenon light! | XENON                                                                                                                                                                                                                                                                                                                           |                                                                                       |
| Sizes                                        | Art. No.'s                        |                                                                                                                                                                                                                                                                                                                                 |                                                                                       |
| Ø 3.5 x 1800 mm Length                       | 540-803-18                        | 540-813-18                                                                                                                                                                                                                                                                                                                      |                                                                                       |
| Ø 3.5 x 2300 mm Length                       | 540-803-23                        | 540-813-23                                                                                                                                                                                                                                                                                                                      |                                                                                       |
| Ø 3.5 x 3000 mm Length                       | 540-803-30                        | 540-813-30                                                                                                                                                                                                                                                                                                                      |                                                                                       |
| Ø 3.5 x 5000 mm Length                       | 540-803-50                        | 540-813-50                                                                                                                                                                                                                                                                                                                      |  |
| Tube colours<br>The Standard colour is grey. | Only available in grey            | <div>● LL (Lilac) ● YW (Yellow) ● GN (Green)</div> <p><b>Colour Coding made easy:</b><br/>If you want to order one of the shown colours Lilac, Yellow or Green, please indicate the corresponding extensions shown in the column to the right (f.e. for a green cable add „GN“, the article number then reads 540-XXX-XXGN)</p> |                                                                                       |
| Handle Colours                               | Black                             | Blue                                                                                                                                                                                                                                                                                                                            |                                                                                       |

### LIGHT CABLE CONNECTORS

| Projector-side (light input) |            |  | Telescope-side (light output)         |            |  |
|------------------------------|------------|--|---------------------------------------|------------|--|
| Storz/Aesculap               | 540-890-02 |  | TONTARRA/Storz/Aesculap/Olympus (old) | 540-880-02 |  |
| Olympus/ACMI                 | 540-890-10 |  |                                       |            |  |
| Olympus new (switch)         | 540-890-14 |  | Olympus new                           | 540-880-04 |  |
| Wolf                         | 540-890-04 |  | Wolf/HSW/Dyonics snap                 | 540-880-13 |  |
| ACMI/British/Codman          | 540-890-01 |  | ACMI/British/Codman                   | 540-880-01 |  |



## ACCESSORIES FOR GUBBINI SYSTEMS

► HF connection cables

HF CONNECTION CABLES; **BIPOLAR** ► to connect working element to HF generator;  
**bipolar** mode for resectoscopy

| Description                                                                           | Length | Art. No.     | Instrument-side                                                                      | Unit-side                                                                             |
|---------------------------------------------------------------------------------------|--------|--------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Erbe mod. ICC/ACC; Storz                                                              | 3.0 m  | 287-200-30BR |    |    |
| Berchthold/Martin mod. Maxium                                                         | 3.0 m  | 287-205-30BR |    |    |
| TONTARRA mod. PWT-400;<br>International Models; 2-pins                                | 3.0 m  | 287-215-30BR |    |    |
| Covidien mod. ForceTriad™;<br>Valleylab™ FT10                                         | 3.0 m  | 287-240-30BR |    |    |
| Erbe mod. VIO300D with multi-<br>contact connector;<br>Karl Storz mod. Autocon II 400 | 3.0 m  | 287-220-30BR |   |   |
| Erbe mod. VIO 3 with MF-U socket                                                      | 4.5 m  | 287-235-30BR |  |  |
| Emed-HF mod. Spectrum                                                                 | 4.0 m  | 287-225-30BR |  |  |
| Bowa mod. ARC 350 & 400                                                               | 4.5 m  | 287-230-30BR |  |  |

HF CONNECTION CABLES; **BIPOLAR** ► to connect flexible **bipolar** HF electrodes for hysteroscopy  
to HF generator

| Available for following units:              | 3.0 m      | 5.0 m      | Instrument-side                                                                      | Unit-side                                                                             |
|---------------------------------------------|------------|------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Erbe ICC/ACC, Storz/unit side round<br>plug | 287-200-30 | 287-200-50 |  |  |
| Berchthold/Martin/unit side round<br>plug   | 287-205-30 | 287-205-50 |                                                                                      |  |
| Us-Models; 2-pins/unit side banana<br>plugs | 287-210-30 | 287-210-50 |                                                                                      |  |
| Valleylab; International Models; 2 pins     | 287-215-30 | 287-215-50 |                                                                                      |  |



## ACCESSORIES FOR GUBBINI SYSTEMS

- ▶ HF Unit & Monopolar HF connection cables
- ▶ Storage & sterilization
- ▶ Local anesthesia

### HF UNIT PLASMA WAVE

| Description                                              | Art. No.             |  |
|----------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------|
| PWT-400 Plasma Wave; HF generator for electrical surgery | 540-280-50 (PWT-400) |                                                                                     |
| Twin foot switch                                         | 540-284-50           |                                                                                     |

### HF CONNECTION CABLES; **MONOPOLAR**

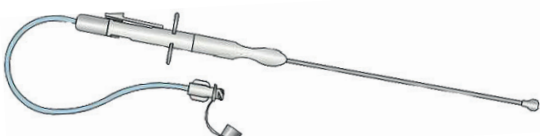
- ▶ to connect working element to HF generator; **monopolar** mode for resectoscopy
- ▶ to connect flexible **monopolar** HF electrodes for hysteroscopy to HF generator

| Available for following units:       | 3.0 m      | Instrument-side                                                                      | Unit-side                                                                             |
|--------------------------------------|------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Erbe/ICC/ACC/Storz; Ø 5.0 mm         | 582-531-02 |  |    |
| Valleylab, Conmed; Ø 8.0 mm          | 582-532-03 |                                                                                      |  |
| Equipment with banana plug; Ø 4.0 mm | 582-533-04 |                                                                                      |  |

### PERFORATED SHEET BASKET FOR GUBBINI SYSTEM; complete with holders for instruments and telescopes

| Description:                                                            | Art. No.     |  |
|-------------------------------------------------------------------------|--------------|---------------------------------------------------------------------------------------|
| <b>PERFORATED SHEET BASKET</b><br>▶ 480 mm (L) x 245 mm (W) x 80 mm (H) | 582-150-60GU |                                                                                       |

### HYSTEROBLOCK - UTERINE PARACERVICAL BLOCK NEEDLE 270 mm

| Description:                                                                                                                                                                           | Art. No.     |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------|
| <b>HYSTERO-BLOCK NEEDLE; Ø 20G</b><br>▶ 10 pc./unit<br>▶ Pain reduction made easy, safe and reliable by placing injections at two points of the right and left lateral vaginal fornix. | Belo/2-PB02N |                                                                                      |

Produced by BEL Bio Engineering Laboratories S.R.L, Ital - distributed by TONTARRA



## ACCESSORIES FOR GUBBINI SYSTEMS

- Maintenance; storage & sterilization

### MAINTENANCE; STORAGE & STERILIZATION

| Description                                                                                                                                                                           |                                                                                     | Art. No.        |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|
| <b>TAP &amp; STOPCOCK LUBRICANT</b> <ul style="list-style-type: none"> <li>► special grease for surgical instruments (especially for stopcocks)</li> <li>► 5 gram per tube</li> </ul> |  | 582-095-00      |
| <b>INSTRUMENT OIL</b> <ul style="list-style-type: none"> <li>► 500 ml</li> </ul>                                                                                                      |   | DRSO/00-108-005 |
| <b>POLISHING PASTE FOR ENDOSCOPES</b> <ul style="list-style-type: none"> <li>► 5 pcs.</li> </ul>                                                                                      |  | 601-900-20      |

### PROTECTION

| Description                                                                                                                                                                            |                                                                                      | Art. No.                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------|
| <b>PROTECTING SLEEVE FOR ALL TELESCOPES</b> <ul style="list-style-type: none"> <li>► easy handling;</li> <li>► up to Ø 5.5 mm</li> <li>► reusable</li> <li>► Plastic sleeve</li> </ul> |  | 590-000-01<br>(10 pcs./box) |
| <b>PROTECTING SLEEVE for ELECTRODES</b><br>for storage and sterilization<br>for up to 8 electrodes, reusable                                                                           |  | 590-000-03                  |

### SEALING CAPS FOR GUBBINI WORKING SHEATHS

| Description                                                                             |                                                                                       | Art. No.   |
|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|
| <b>SEALING CAP for instrument channel;</b><br>10 pcs./box                               |  | 499-199-00 |
| <b>SEALING CAP for instrument channel with special water stop valve;</b><br>10 pcs./box |  | 499-198-00 |



## ACCESSORIES FOR GUBBINI SYSTEMS

- Spare part sets

### SPARE PART SET: STOPCOCK HANDLE AND NUT

| Description                                                                               |                                                                                      | Art. No.   |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------|
| SPARE PART SET <b>MIDDLE</b> :<br>stopcock handle and nut for stopcock handle             |    | 087-940-03 |
| SPARE PART SET <b>BIG</b> :<br>stopcock handle and nut for stopcock handle                |    | 087-940-04 |
| SPARE PART SET <b>EXAMINATION SHEATH</b> :<br>stopcock handle and nut for stopcock handle |  | 087-940-05 |
| SPARE PART SET <b>GUBBINI</b> :<br>stopcock handle flat and nut for stopcock handle       |  | 087-940-06 |



## DR. RAFFAELE RICCIARDI

► An expert in Mini-Resectoscopy

### PARACERVICAL LOCAL BLOCKADE IN MINI-RESECTOSCOPY

“Applying injection of local anesthetics before hysteroscopic office procedures leads to significant pain reduction”.

*The practical guideline in office hysteroscopy,*  
by SEGI (Società Italiana di Endoscopia Ginecologica)



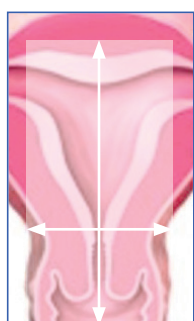
**Dr. Raffaele RICCIARDI** is one of the most experienced PhDs for the Gubbini System. He introduces doctors from around the world to the multiple therapeutic options of 14.9 Fr. and 16 Fr. Mini-resectoscopy in the operation theatre or in an office setting.

With more than 60,000 diagnostic and operative hysteroscopic procedures Dr. Raffaele Ricciardi is one of the top experts in the field. He also published and co-authored several studies and articles. Dr. Ricciardi annually performs 1.300 surgeries, of these over 700 with paracervical local blockades.

The mini-sizes of the GUBBINI original and ellipse instruments allow to perform hysteroscopic and resectoscopic interventions without anesthesia at all. Still, some patients will need at least local anesthesia.

Criteria to apply local anesthesia on the patient's side are anatomic circumstances (for example patients who never gave birth may experience more pain), or the anticipated anxiety and stress level during an intervention; **applying local anesthesia is reassuring for patient and gynecologist alike.**

Another criteria is of course the intervention itself; its duration is a determining factor for pain sensation.



Anesthetized area

Another point is the experience of the surgeon: the learning curve is described to take around 30 surgeries until optimal results in regards to patient convenience is reached.

In any case: Anesthesia assistance should be within reach in case of an emergency (remember: The Gubbini System can often substitute commonly used larger instruments for interventions under general anesthesia, which usually require hospitalization).

#### Dr. Raffaele RICCIARDI

born in Andria, Italy, in 1953, graduated *cum laude* in Medicine at the University of Pavia in 1977, and received his Certification as a specialist in Obstetrics and Gynecology in 1982.

In 1983 he started his brilliant career as a gynecologist at the renowned IRCCS (Institute for Research and Health Care) polyclinic “Casa Sollievo della Sofferenza”, San Giovanni Rotondo. Since 1985 he dedicated himself intensively to diagnostic and operative hysteroscopy, participating as instructor, lecturer and speaker in several courses, conferences and congresses around the world.

In 1998 he became a member of the Executive Council at the Diagnostic and Operative Hysteroscopy School “Arbor Vitae”, directed by Prof. Ivano Mazzon (based in Rome).

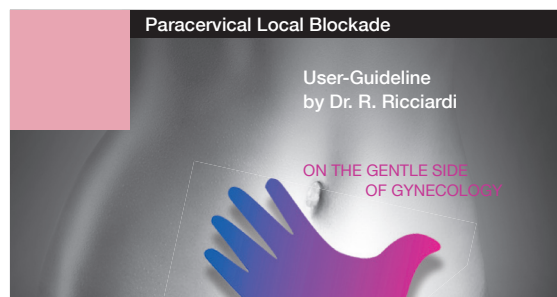
Since 2007 he is the Director of the Hysteroscopy Department, Abano Terme Polyclinic.

Reference center for Mini-Resectoscopy

#### MINI RESECTOSCOPY Reference centers

The Gubbini System had first been introduced in Italy, a country with well-known tradition in the development of modern gynecology. There, three clinics alone perform more than 1.500 operations with the Gubbini System per year.

By now, the GUBBINI System has made its way into prestigious clinics in many parts of the world. Please inquire for a list of reference clinics and training options: [gubbini@tontarra.de](mailto:gubbini@tontarra.de)



Please contact us for further information and Dr. Ricciardi's User Guideline.

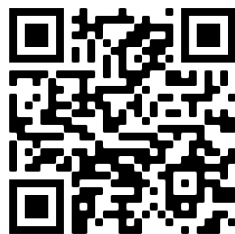


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