

# PRODUCT CATALOG

*Compact solution for operating room*



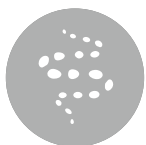
*Arthroscopy*



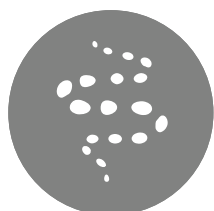
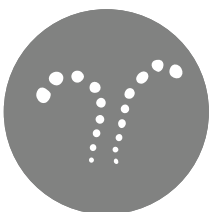
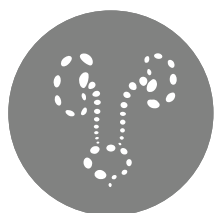
*Urology*



*Gynecology*



*Laparoscopy*



# ARTHROSCOPY

Shaver system  
Irrigation pump  
Full HD camera system  
Monitors  
Instruments and accessories  
LED light source  
Medical cart  
Video recorder

*Compact solution for operating room*



# SHAVER SYSTEM

## Arthroscopic Shaver System

**SV-8100**

Next generation arthroscopic shaver system controlled manually or via footswitch. Featuring extremely strong efficient, light and ergonomic but also robust power handpiece. Designed to improve usability, reliability and to facilitate reprocessing.



### SAFETY

- Easy, efficient and reliable cleaning and disinfection process



### STABILITY

- Smooth and stable work
- Separate RPM settings for cutters (oscillation) and burrs (FWD, REV)
- Operation mode (clockwise, anticlockwise, oscillation)



### WORK COMFORT

- Lightweight and ergonomic handpiece
- Window calibration feature
- Multifunctionality of buttons

### EFFICIENCY

- Variety of oscillation modes
- Connection for double roller pump
- Run up to 10 000 RPM

**Color coding for recognizing the type of the cutting edge. Size and types for the most common knee and shoulder procedures. Blades and burrs have a working length of 130 mm.**

### FULL RADIUS

The dual function Full Radius blade resects both soft tissue and bone.

*compares to Formula® Resector, Full Radius Bonecutter®*

### FAST CUT

The Fast Cut blade is an all-purpose aggressive blade ideal for extensive tissue removal, providing greater control, precision and reduced fatigue.

*compares to Formula® Tomcat, Incisor Plus®*

### CLEAN CUT

The Clean Cut Blade is a hybrid offering teeth for aggressive resection with a smooth window for a clean cut.

*compares to Aggressive Plus, Full Radius Elite*

### ROUND BURR

The Round Burr is ideal for aggressive bony site preparation, cartilage and osteochondral debridement, osteophyte resection and roughen sclerotic lesions. Large cutting flutes provide aggressive yet smooth and controllable resection.

*compares to Formula® Round Burs, Abrader®*

### OVAL BURR

The ultra- aggressive Oval Burr is designed for extensive bone and cartilage removal in the subacromial space, acromioplasty and notchplasty. Large cutting flutes provide efficient resection.

*compares to Formula® Barrel, Acromionizer*

3,5 mm

4,5 mm

5,5 mm

3,5 mm

4,5 mm

5,5 mm

3,5 mm

4,5 mm

5,5 mm

4,5 mm

5,5 mm

4,5 mm

5,5 mm



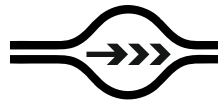


# FLUID SYSTEM



MEASURING SYSTEM

Robustness and reliability



FLOW RATE

Inflow: 0,1-2 l/min



PRESSURE

Pressure: 10-150 mmHg



Remote control allows for alternative way of convenient fluid flow management



PERFORMANCE

Safe, fast and efficient



LEVEL

LEVEL function - precise calibration of the pump placement in relation to a surgical field



EFFICIENT ALGORITHM

Powerful controlling algorithm for immediate responsiveness



FLUSH

FLUSH function - immediate rinsing of operation area or a temporary pressure increase

## Fluid Pump for Arthroscopy

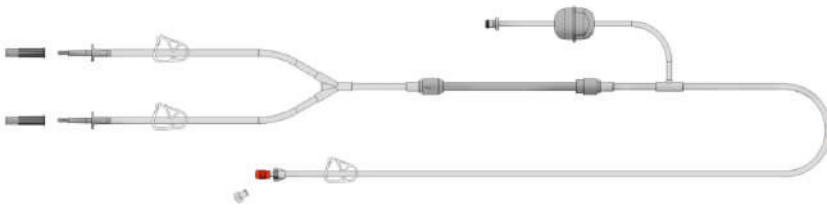
### PV-5201A

A medical fluid pump designed to deliver fluid under a given pressure to an operating area. Controlled via user interface on the device or a remote control.



## DISPOSABLE TUBING SET

### SINGLE-USE TUBING SET (SUTS)



Installed directly on the pump control unit and connected to arthroscopic sheath. Use of single-use tubing sets implies their change after each surgery. At the same time, it is also necessary to change a fluid bag.

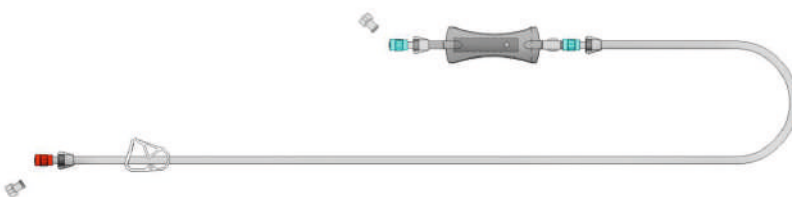
## COST EFFECTIVE TUBING SOLUTION

### DAY-USE PUMP PART (DUPP)



Installed directly to the pump control unit and attached to a Single-Use Patient Part (SUPP).

### SINGLE-USE PATIENT PART (SUPP)



Installed directly to a Day-Use Pump Part (DUPP) and to an endoscopy sheath.

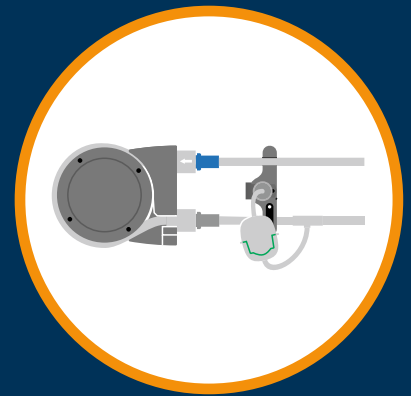
There is no need of changing a fluid bag and a Day-Use Pump Part tubing after each surgery. It also saves time of medical staff for preparation a pump for a new patient.



## Single-Use Tubing Set

PV-5201DUPP  
PV-5201SUPP  
PV-5201SUTS

Tubing sets for Vimex Endoscopy Fluid Pumps. Designed to facilitate a medical staff the preparation for a surgery. Two options available: single-use or day-use tubing sets (as an economical solution).



easy to install



patient protection  
for the cost effective  
tubing

# FULL HD VIDEO SYSTEM

## High Definition Camera

### 1-MOS

- Full HD resolution
- Image sensor: 1/3" MOS
- Natural colour reproduction
- High Speed shutter
- Multilingual menu
- 3 USER profiles
- Image capture, video capture (optional)

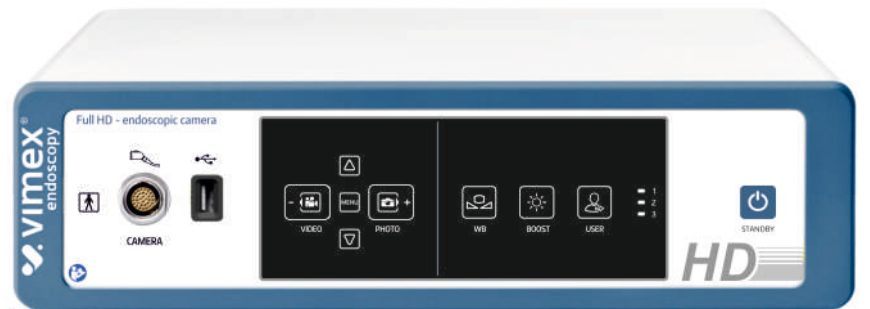
### RECORDING MODULE:

#### Video format:

- Full HD 1920 x 1080
- Mpeg4 (H.264 Codec)

#### Image format:

- JPG (1920 x 1080)



Medical grade widescreen LCD monitor can display very high quality 4K Ultra HD color video images from laparoscopic cameras. Its ergonomic design is optimised for environments such as hospital Operating Rooms.

Flexible operation is enhanced with a choice pictures modes, while an intuitive guided interface assist with simple fingertip operation.

Monitors 4K provides a clearer view of fine details than conventional medical monitors. Its increase resolution also maintains picture quality when viewing zoomed images, a well as supporting multiple picture display modes for enhanced operability in the OR.

## Medical monitor 4K image quality



manufactured by:  
SONY - leading provider of medical monitors



# LED Light Source

## LV-400LED

High-end light source providing natural, daylight illumination of the surgical field. Light intensity is fully adjustable within the range of 1-100%. Not only efficient, but also highly cost effective - emitters last 50.000 working hours.

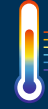
Standard connection - K. Storz, other types available upon request.



ColdLight



LUMEN  
2800



COLOR TEMP  
6500

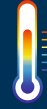


CRI  
75

DayLight



LUMEN  
2650



COLOR TEMP  
5500



CRI  
95

A broad range of endoscopes for arthroscopy with excellent imaging properties

# Arthroscopes

High definition or brilliant ultrahigh definition (UHD) image quality and exceptional image brightness to gain optimal outcome of every treatment. Dedicated support for a high definition video system.



HD

UHD

manufactured by:  
STEMA Medizintechnik GmbH



# MEDICAL CART

## ARTHRO medical cart for endoscopic devices

High quality medical cart intended for secure stacking and relocation of equipment. Stable, robust, multifunctional solution, variety of configurations including swivelling arm. All power cables neatly concealed, central power switch, adjustable shelves.



support arms



camera head holder



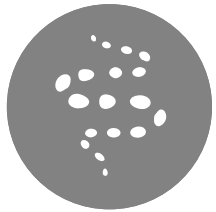
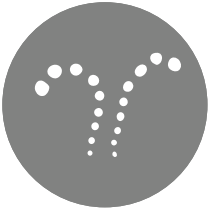
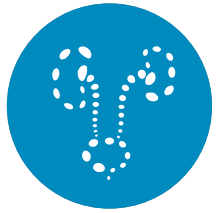
# VIDEO RECORDER



manufactured by:  
TEAC - leading provider of medical recorder

The latest high definition medical imaging recorder designed for quick set up, ease of use and reliable recording, storing, sharing and transferring. Network capable.





# UROLOGY

Fluid pump  
Instruments and accessories  
Full HD camera system  
Monitors  
LED light source  
Medical cart  
Video recorder

*Compact solution for operating room*

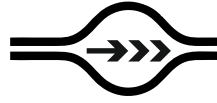


# FLUID PUMP



MEASURING SYSTEM

Robustness and reliability



FLOW RATE

Inflow: 0,1-1 l/min



PRESSURE

Pressure 10-150 mmHg



Remote control allows for alternative way of convenient fluid flow management



PERFORMANCE

Safe, fast and efficient



LEVEL

LEVEL function - precise calibration of the pump placement in relation to a surgical field



EFFICIENT ALGORITHM

Powerful controlling algorithm for immediate responsiveness

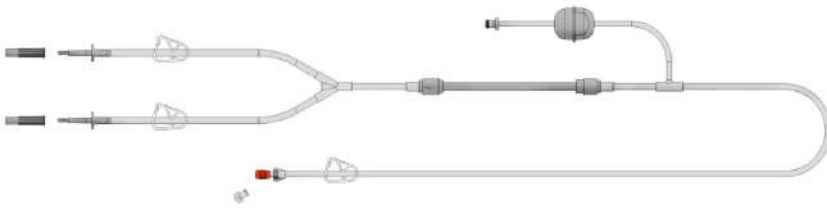
## Fluid Pump for Urology

### PV-5201U

A medical fluid pump designed to deliver fluid under a given pressure to an operating area. Controlled via user interface of the device or a remote control.

## DISPOSABLE TUBING SET

### SINGLE-USE TUBING SET (SUTS)



Installed directly on the pump control unit and connected to arthroscopic sheath. Use of single-use tubing sets implies their change after each surgery. At the same time, it is also necessary to change a fluid bag.

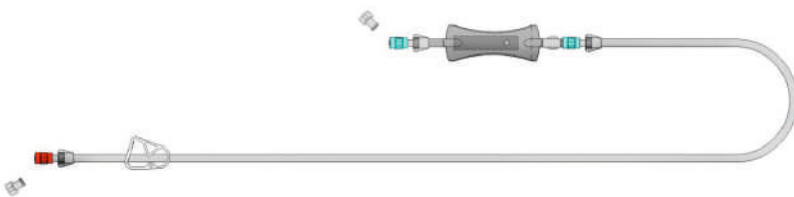
## COST EFFECTIVE TUBING SOLUTION

### DAY-USE PUMP PART (DUPP)



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Installed directly to a Day-Use Pump Part (DUPP) and to an endoscopy sheath.

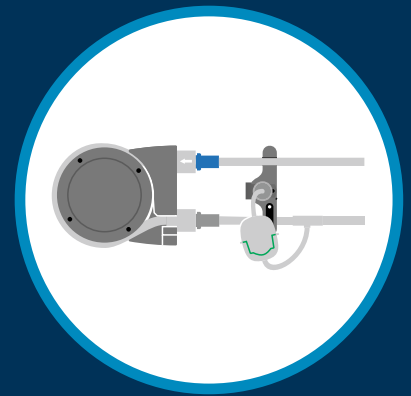
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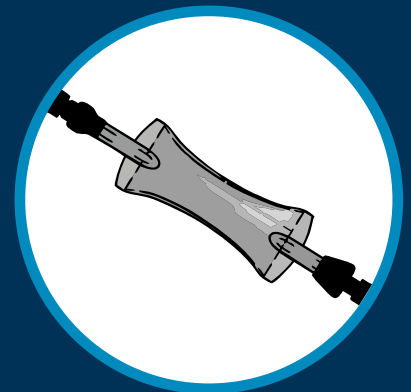
## Single-Use Tubing Set

PV-5201DUPP  
PV-5201SUPP  
PV-5201SUTS

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easy to install



patient protection  
for the cost effective  
tubing

# FULL HD VIDEO SYSTEM

## High Definition Camera

### 1-MOS

- Full HD resolution
- Image sensor: 1/3" MOS
- Natural colour reproduction
- High Speed shutter
- Multilingual menu
- 3 USER profiles
- Image capture, video capture (optional)

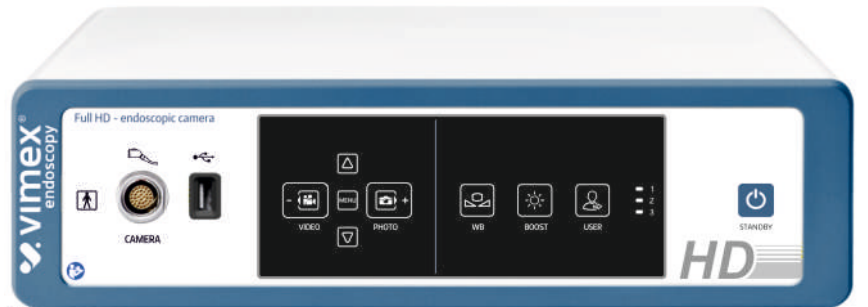
#### RECORDING MODULE:

##### Video format:

- Full HD 1920 x 1080
- Mpeg4 (H.264 Codec)

##### Image format:

- JPG (1920 x 1080)



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## Medical monitor 4K image quality



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# LED Light Source

## LV-400LED

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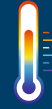
Standard connection Storz - other types available upon request.



ColdLight



LUMEN  
2800



COLOR TEMP  
6500

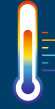


CRI  
75

DayLight



LUMEN  
2650



COLOR TEMP  
5500



CRI  
95

## INSTRUMENTS FOR UROLOGY



### Covering the needs of applications:

- Cystoscopy
- Urethroscopy
- Laser cysto-urethroscopy
- Urethrotomy
- Nephroscopy
- Uretero-rensoscopy
- Lithotripsy

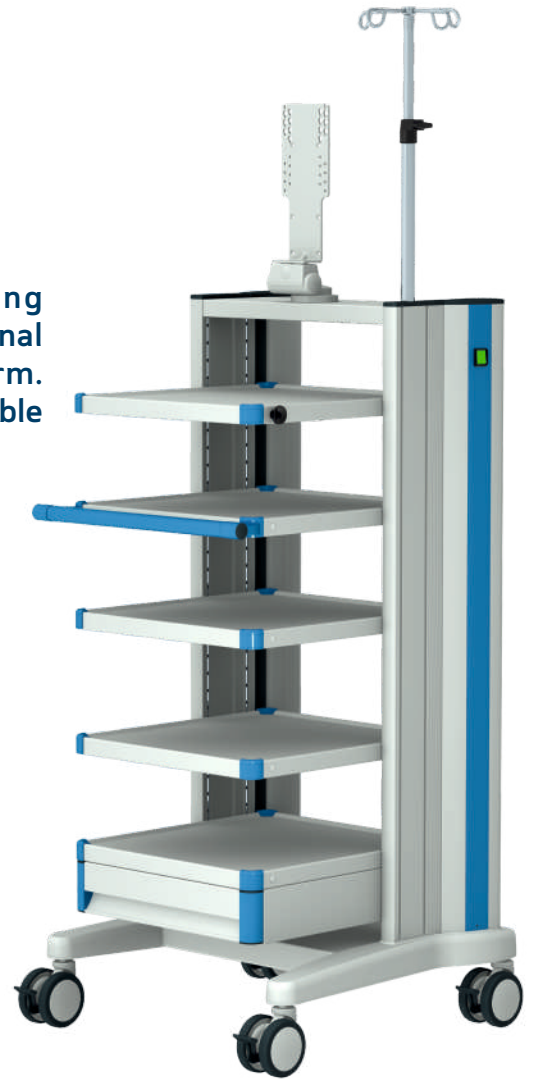




# MEDICAL CART

## MEDICAL CART for urology devices

High quality medical cart intended for secure stacking and relocation of equipment. Stable, robust, multifunctional solution, variety of configurations including swivelling arm. All power cables neatly concealed, central power switch, adjustable shelves.



support arms



camera holder



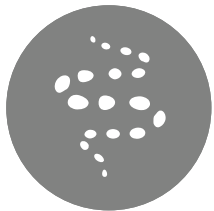
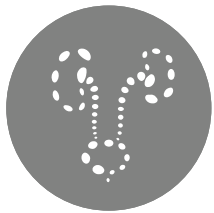
# VIDEO RECORDER



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The latest high definition medical imaging recorder designed for quick set up, ease of use and reliable recording, storing, sharing and transferring. Network capable.





# GYNECOLOGY

Fluid pump  
Instruments and accessories  
Full HD camera system  
Monitors  
LED light source  
Medical cart  
Video recorder

*Compact solution for operating room*

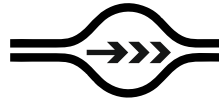


# FLUID PUMP



MEASURING SYSTEM

Robustness and reliability



FLOW RATE

Inflow: 0,1-0,5 l/min



PRESSURE

Pressure 10-150 mmHg



Remote control allows for alternative way of convenient fluid flow management



PERFORMANCE

Safe, fast and efficient



LEVEL

LEVEL function - precise calibration of the pump placement in relation to a surgical field



EFFICIENT ALGORITHM

Powerful controlling algorithm for immediate responsiveness

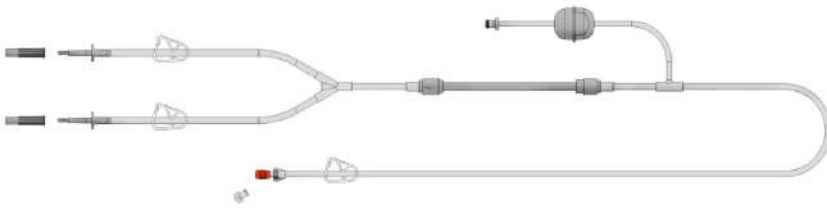
## Fluid Pump

### PV-5201H

A medical fluid pump designed to deliver fluid under a given pressure to an operating area. Controlled via user interface of the device or a remote control.

## DISPOSABLE TUBING SET

### SINGLE-USE TUBING SET (SUTS)



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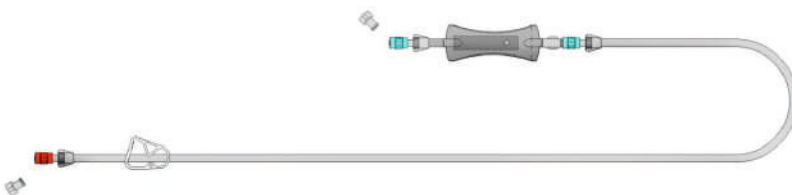
## COST EFFECTIVE TUBING SOLUTION

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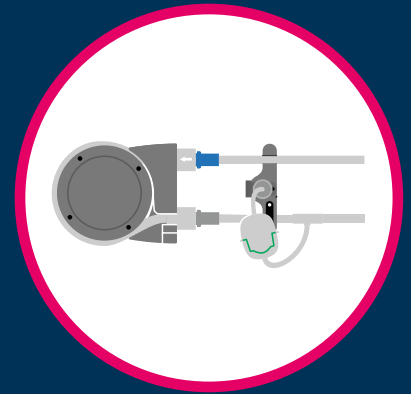
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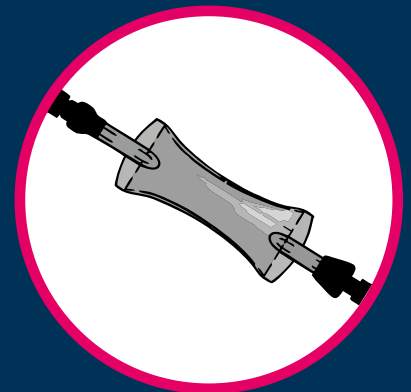
## Single-Use Tubing Set

PV-5201DUPP  
PV-5201SUPP  
PV-5201SUTS

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easy to install



patient protection  
for the cost effective  
tubing

# FULL HD VIDEO SYSTEM

## High Definition Camera

### 1-MOS

- Full HD resolution
- Image sensor: 1/3" MOS
- Natural colour reproduction
- High Speed shutter
- Multilingual menu
- 3 USER profiles
- Image capture, video capture (optional)

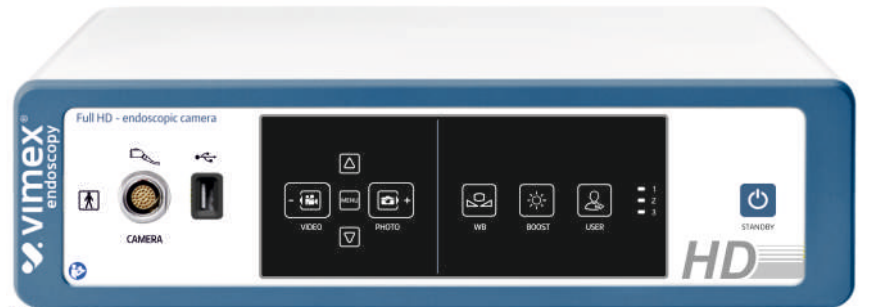
#### RECORDING MODULE:

##### Video format:

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##### Image format:

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## Medical monitor 4K image quality



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## LV-400LED

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Standard connection - K. Storz, other types available upon request.



ColdLight



LUMEN  
2800



COLOR TEMP  
6500



CRI  
75

DayLight



LUMEN  
2650



COLOR TEMP  
5500



CRI  
95

## INSTRUMENTS



### TELESCOPES AND INSTRUMENTS FOR GYNECOLOGY

### INSTRUMENTS FOR DIAGNOSTIC AND OPERATIVE HYSTEROSCOPY

- A wide range of flexible and semi-rigid tools
- Diagnostic and operative sheaths (innl. HIGH and FLOW)
- Flexible, semi-rigid instruments
- Resectoscopes
- Electrodes, cables

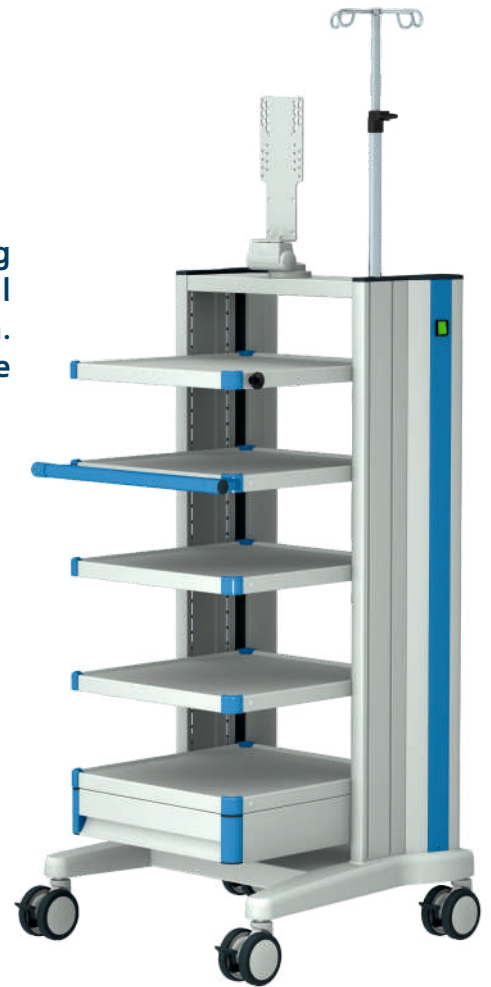




# MEDICAL CART

## MEDICAL CART for endoscopic devices

High quality medical cart intended for secure stacking and relocation of equipment. Stable, robust, multifunctional solution, variety of configurations including swivelling arm. All power cables neatly concealed, central power switch, adjustable shelves.



support arms



camera head holder



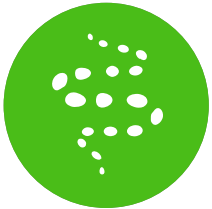
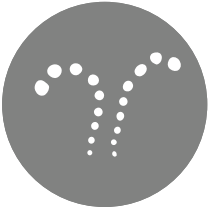
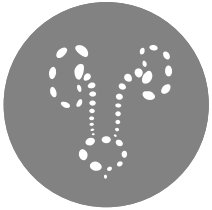
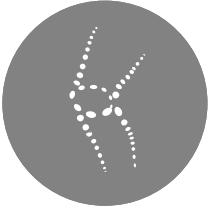
# VIDEO RECORDER



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# LAPAROSCOPY

Suction - Irrigation pump  
Insufflator  
Full HD camera system  
Monitors  
LED light source  
Instruments and accessories  
Medical cart  
Accessories

*Compact solution for operating room*



# LAPARO-PUMP



MAX FLOW RATE

Irrigation: 1,8 l/min  
Suction: 1,8 l/min



MAX PRESSURE

Irrigation: 400 mmHg  
Suction: -60kPa



*Remote control allows for alternative way of convenient fluid flow management*



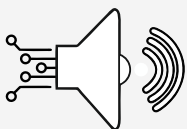
PERFORMANCE

Effective irrigation and aspiration of fluids



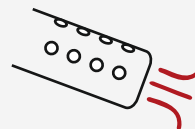
EASY IN USE

Working parameters controlled by suction-irrigation laparoscopic instrument



ACOUSTIC ALARMS

Acoustic and visual warning in case of incorrect tubing installation



EFFICIENT ASPIRATION

Suction based on the high quality vacuum module

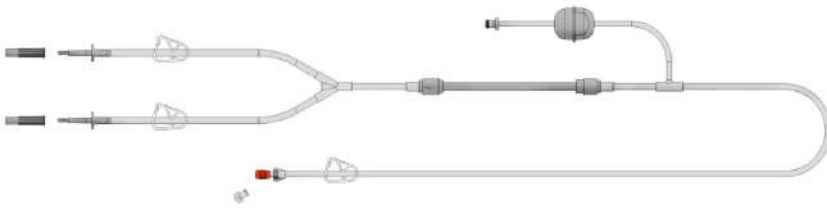
## Suction - Irrigation Pump for Laparoscopy

### PV-5512LAP

Suction and irrigation pump with autonomous suction and irrigation channels dedicated to laparoscopic surgeries. The optimum adjustment of pressure and flow parameters allows for effective tissue rinsing and effective aspiration of fluid during laparoscopic procedure. Compatible with various models of laparoscopic suction-irrigation instruments.

## DISPOSABLE TUBING SET

### SINGLE-USE TUBING SET (SUTS)



Installed directly on the pump control unit and connected to arthroscopic sheath. Use of single-use tubing sets implies their change after each surgery. At the same time, it is also necessary to change a fluid bag.

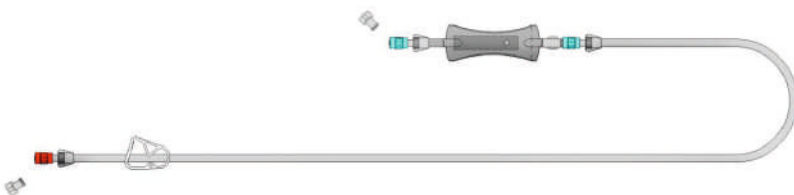
## COST EFFECTIVE TUBING SOLUTION

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### SINGLE-USE PATIENT PART (SUPP)



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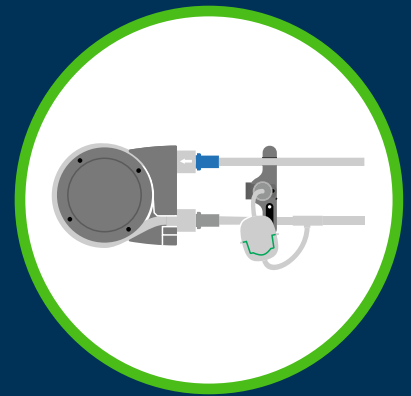
There is no need of changing a fluid bag and a Day-Use Pump Part tubing after each surgery. It also saves time of medical staff for preparation a pump for a new patient.



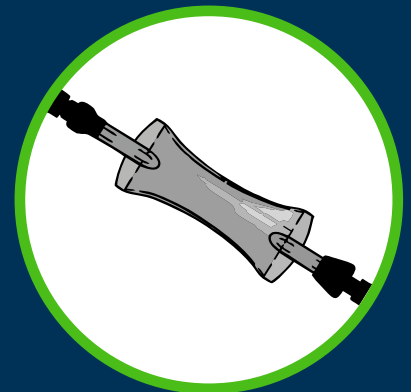
## Single-Use Tubing Set

PV-5201DUPP  
PV-5201SUPP  
PV-5201SUTS

Tubing sets for Vimex Endoscopy Fluid Pumps. Designed to facilitate a medical staff the preparation for a surgery. Two options available: single-use or day-use tubing sets (as an economical solution).



easy to install



patient protection  
for the cost effective  
tubing

# CO<sub>2</sub> INSUFFLATOR

- Fully automatic
- Filter system for sterility
- Up to 45 liters / minute
- Microprocessor controlled

CO<sub>2</sub>

GAS

Carbon dioxide  
(medical)



INSUFFLATOR  
PRESSURE

0-30 mmHg



GAS  
CONNECTION

UNF 7/16"  
Central gas supply



## Series

D-FLOW-320

Maximum gasflow: 20l/min

D-FLOW-345

Maximum gasflow: 45l/min

## Options

Version H

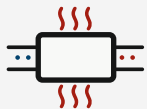
With gas heater

Version V

With OSD - On-Screen System

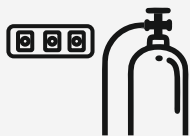
(only available with connected Micon/ILO OSD Camera)





SYSTEM GAS HEATER

Full automatic and autoclavable high efficient gas heater for reducing the risk of intraoperative hypothermia



FLEXIBLE GAS SUPPLY

Suitable for using with gas bottles or central gas supply systems



ON - SCREEN DISPLAY

Current working parameters always visible on the monitor with On-Screen-Display.



ADVANCE CONTINUOUS FLOW INSUFFLATION

Remove disruption between gasflow and pressure reading phase



SAFETY

Automatic self check -ensuring safety and accuracy



DIFFERENTIAL PRESSURE INDICATOR

LED backlight (yellow-green-red) easing recognition of deviation between patient`s pressure and set pressure

# D-FLOW



HEATER

RESET

DOWN

UP

# FULL HD VIDEO SYSTEM

## High Definition Camera

### 1-MOS

- Full HD resolution
- Image sensor: 1/3" MOS
- Natural colour reproduction
- High Speed shutter
- Multilingual menu
- 3 USER profiles
- Image capture, video capture (optional)

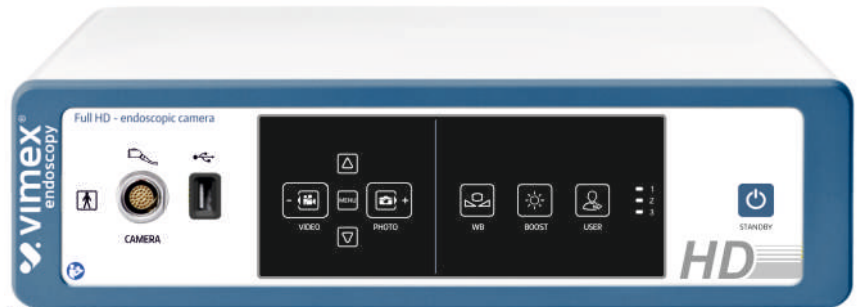
### RECORDING MODULE:

#### Video format:

- Full HD 1920 x 1080
- Mpeg4 (H.264 Codec)

#### Image format:

- JPG (1920 x 1080)

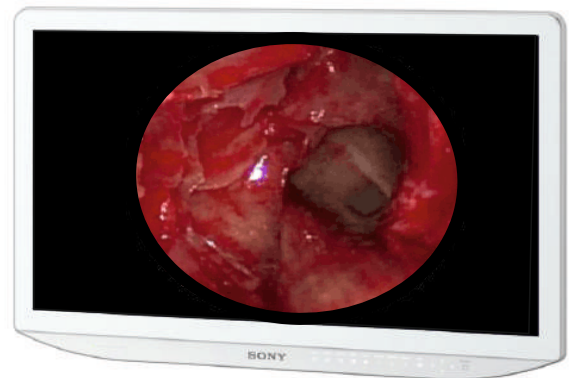


Medical grade widescreen LCD monitor can display very high quality 4K Ultra HD color video images from laparoscopic cameras. Its ergonomic design is optimised for environments such as hospital Operating Rooms.

Flexible operation is enhanced with a choice pictures modes, while an intuitive guided interface assist with simple fingertip operation.

Monitors 4K provides a clearer view of fine details than conventional medical monitors. Its increase resolution also maintains picture quality when viewing zoomed images, a well as supporting multiple picture display modes for enhanced operability in the OR.

## Medical monitor 4K image quality



manufactured by:  
SONY - leading provider of medical monitors

# LED Light Source

## LV-400LED

High-end light source providing natural, daylight illumination of the surgical field. Light intensity is fully adjustable within the range of 1-100%. Not only efficient, but also highly cost effective - emitters last 50.000 working hours.

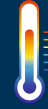
Standard connection - K. Storz, other types available upon request.



ColdLight



LUMEN  
2800



COLOR TEMP  
6500

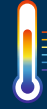


CRI  
75

DayLight



LUMEN  
2650



COLOR TEMP  
5500



CRI  
95

A broad range of endoscopes for laparoscopy provide extraordinary sharpness at the edge of the image

# Laparoscopes

High definition or brilliant ultrahigh definition (UHD) image quality and exceptional image brightness to gain optimal outcome of every treatment. Dedicated support for a high definition video system.



manufactured by:  
STEMA Medizintechnik GmbH



# MEDICAL CART

## Medical cart for endoscopic devices

High quality medical cart intended for secure stacking and relocation of equipment. Stable, robust, multifunctional solution, variety of configurations including swivelling arm. All power cables neatly concealed, central power switch, adjustable shelves.



*support arms*



*camera head  
holder*



*container  
holder*



# ACCESSORIES



### Accessories for suction channel:

- Suction - irrigation instruments
- Secretion containers
- Tubing
- Hydrophobic filters





Vimex Sp. z o. o.  
Toruńska 27  
44-122 Gliwice, Poland

Phone: +48 32 230 86 82  
Fax: +48 32 230 86 83  
E-mail: [sales@vimex.eu](mailto:sales@vimex.eu)  
[www.vimex-endoscopy.com](http://www.vimex-endoscopy.com)