ValveGate™ PRO

INKA™ SURGICAL INSTRUMENTS
Suppliers of Fine Quality Instruments
116 Cutler Road • Jandakot WA 6164 • AUSTRALIA
customers@inkasurgical.com.au
Phone: (08) 9417 9545 • Freecall: 1800 756 757 • Fax: (08) 9414 8906
www.inkasurgical.com.au

ValveGate™ PRO


Achieves smaller approaches, handles greater challenges.

Minimally invasive approaches, performed through small incisions, are becoming state-of-the-art in an effort by healthcare professionals to provide each patient with the best possible treatment. The most common types of minimally invasive cardiac surgery (MICS) are valve surgeries, including repairs and replacements, and even more challenging coronary artery bypass. Both smaller incisions without a full sternotomy are expected to leave smaller scars with less trauma and bleeding.

Celebrating 20 years of excellence in MICS:
20 years experience and close cooperation with opinion leaders in Minimally Invasive Cardiac Surgery resulted in the development of our latest and most advanced generation of ValveGate™ MICS instruments...

the all new ValveGate™ MICS PRO line

Features:
- Ultra-light weight and perfect balance
- Completely made from surgical stainless steel - without any plastic or aluminum components
- Full injection anastomosis cleaning concept
- Adjustable jaw and handle opening according to preference for less fatigue and time savings
- Scissors designed to cut even through hardest calcified tissues
- Needle Holders firmly grasp and drive even the narrowest needles
- Precise anastomosis studding by finger turning and not by wrist bending
- New high precision ratchet
- Soft touch handles with elastic springs
- Ergonomic FLEXGRIP™ handles with large dimples
- Solid construction and optimized surfaces for maximum durability, wear and corrosion resistance
- Color coded for easier identification

Evolution of ValveGate™ instruments

Gold: Needle Holders
Silver: Graspers
Black: Scissors

1995
1999
2000
2003
2004
2007
2010
2013
ValveGate™ Mohr Suture Ruler
(Chordae Tendineae Measuring and Knotting Device for ePTFE sutures)
03-5409 ValveGate™ Suture Ruler
3.60 mm, 35 cm/13.8"  
ValveGate™ Mohr Knotting Device
for chordal reconstruction with ePTFE sutures
03-5420  
Shibata Chordae System
Knotting device for facilitating chordal loop making
03-5425  
03-5425L 15-28 mm
03-5425S 11-30 mm  
Adams-Youyou Suture Gauge
03-5482  
Adams-Youyou Knotting Caliper
with weight holder
03-5483
<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>18-050</td>
<td>ValveGate™ Cardioplegia Needle ø 2 mm</td>
<td>30.5 cm/12&quot;</td>
</tr>
<tr>
<td>18-050L</td>
<td>ValveGate™ Cardioplegia Needle ø 2 mm</td>
<td>30 cm/12&quot;</td>
</tr>
<tr>
<td>18-051</td>
<td>ValveGate™ Cardioplegia Needle ø 3 mm</td>
<td>30.5 cm/12&quot;</td>
</tr>
<tr>
<td>34-0960</td>
<td>ValveGate™ Endoscope ø 5 mm, direction of view 0°</td>
<td>30 cm/12&quot;</td>
</tr>
<tr>
<td>34-0961</td>
<td>ValveGate™ Endoscope ø 5 mm, direction of view 30°</td>
<td>30 cm/12&quot;</td>
</tr>
<tr>
<td>18-4530</td>
<td>Heavy Bullet Vent</td>
<td>14x66 mm</td>
</tr>
<tr>
<td>18-4560</td>
<td>Double Lumen Bullet Vent</td>
<td>14x50 mm</td>
</tr>
<tr>
<td>18-4520</td>
<td>Ross Vent, Adult</td>
<td>47 mm</td>
</tr>
<tr>
<td>18-4521</td>
<td>Ross Vent, Child</td>
<td>37 mm</td>
</tr>
<tr>
<td>18-4522</td>
<td>Ross Vent, Infant</td>
<td>24 mm</td>
</tr>
<tr>
<td>34-0955</td>
<td>Thoracic Trocar</td>
<td>ø 6 mm</td>
</tr>
<tr>
<td>34-09510</td>
<td>Flexible Trocar</td>
<td>ø 6 mm, 70 mm</td>
</tr>
<tr>
<td>34-0951</td>
<td>Flexible Trocar</td>
<td>ø 6 mm, 100 mm</td>
</tr>
<tr>
<td>34-0952</td>
<td>Automatic Introducer cannula, automatic action, working length 103 mm, metal shaft, smooth</td>
<td>ø 5.5 mm</td>
</tr>
<tr>
<td>34-0952.PL</td>
<td>Automatic Introducer cannula, automatic action, working length 103 mm, plastic shaft, smooth</td>
<td>ø 5.5 mm</td>
</tr>
<tr>
<td>34-0952.VV</td>
<td>Silicone valve ø 3.5 mm - 8 mm, pack of 5 pieces for 34-0952 and 34-0953.PL</td>
<td>ø 5.5 mm</td>
</tr>
<tr>
<td>34-0952.WC</td>
<td>White seal for 34-0952 and 34-0952.PL</td>
<td>ø 5.5 mm</td>
</tr>
<tr>
<td>34-0956</td>
<td>Trocar, pyramidal point</td>
<td>ø 5.5 mm</td>
</tr>
<tr>
<td>34-9400</td>
<td>Veress infufflation Needle, working length</td>
<td>120 mm</td>
</tr>
<tr>
<td>34-0860</td>
<td>Adams-Young Introducer Trocar</td>
<td>ø 3.3 mm</td>
</tr>
</tbody>
</table>

* autoclavable, universal syringes for C-Mounti adaptors with adapters compatible for Sclera/VideoAM-type lightcables
ValveGate™ DeBakey Transhilaractic Aortic Clamp, with ratchet, sliding shaft
34-7301 100 mm (3x) regular jaw, working length 22 cm 36 cm
34-7302 50 mm (1x) regular jaw, working length 22 cm 32 cm
34-7303 75 mm (1x) regular jaw, working length 24.5 cm 34 cm
34-7306 100 mm (2x) wide jaw, working length 26.5 cm 36 cm
34-7311 100 mm (2x) wide jaw, arcuately curved, working length 26.5 cm 35 cm

ValveGate™ Aortic Valve Rongeur/Biopsy Forceps
34-7400 3mm, straight 30 cm
34-7400 Z 3mm, straight, detachable 30 cm
34-7451 3mm, 30° upwards 30 cm
34-7451 Z 3mm, 30° upwards, detachable 30 cm

20-0351 DeBakey Bulldog Clamp straight 9 cm/3½”
20-0352 DeBakey Bulldog Clamp straight 10.5 cm/4”
20-0378 Bulldog Clamp Applying Forceps, jaw 45° angled up 24 cm/9½”
20-0378 SO Bulldog Clamp Applying Forceps, jaw 25° angled up 24 cm/9½”
34-7280 Endoscopic Bulldog Clamp Applying Forceps, angled 27 cm/10½”
34-7281 Endoscopic Bulldog Clamp Applying Forceps, straight 27 cm/10½”
ValveGate™ Set of 6 Mitral Blades
(17x15/19x15/21x15/25x25/35x25/50x25 mm)
with 2 holders and introducer

ValveGate™ Set of 6 Tricuspidal Blades
(17x25/25x25/35x25/50x25/55x25/85x25.5 mm)
with 2 holders and introducer

Hand-Held Deep Atrial Retractor,
working length 240 mm, 25 mm width

Iron-Assistant™ Instrument Holder, extra long straight bar
Iron-Assistant™ Instrument Holder, L-shaped bar
dito, insulated for use with HF-surgery
Iron-Assistant™ Endoscope Holder, straight bar
dito, insulated for use with HF-surgery

77-3623 ValveGate™ Pro System Tray (see page 27)
ValveGate™ Refractors

ValveGate™ Mini-Thoracotomy Refractor
29-1139 with straight arms, 40 mm x 40 mm tubular blades and turnable crossbar (detachable) for accessories
29-1190 with curved arms, 40 mm x 60 mm tubular blades with sliding spreading bar and turnable crossbar [detachable] for accessories
29-1190.45 as above, but 40 mm x 45 mm blades
29-1190.80 as above, but 40 mm x 80 mm blades

Recommended ValveGate™ Accessories:
29-1197.06 ValveGate™ Suture Ring 6 mm with removable springs
29-1197.08 ValveGate™ Suture Ring 8 mm with removable springs
29-1195.11 Extra turnable crossbar
29-1150.01H Maleable Atrial Retractor 20 mm
29-1150.01S Cooley Atrial Hook 50 mm curved basket
29-1151.01S Cooley Atrial Hook 20 mm straight basket
29-1150.01S/D Cooley Atrial Hook 20 mm curved basket, long shaft
29-1428 Fixation Clamps, 6 mm
29-1437 Multi-Purpose Spatula

ValveGate™ Mini-Thoracotomy Refractor
29-1196 with hinged arms, 2 x 2 exchangeable parallel blades 38 mm x 38 mm and 36 mm x 52 mm, turnable crossbar (detachable) for accessories
29-1196E2 as above, but 2 x 2 tubular blades 40 mm x 50 mm and 40 mm x 70 mm**
as above, but 3 x 2 tubular blades 40 mm x 30 mm and 40 mm x 50 mm and 40 mm x 70 mm**
30-0740 Cone Retractor 14.5 cm/5½" deep pattern
30-0546.16 Memory Maleable Spatula 16 mm 18 cm/7" Memory Maleable Spatula 19 mm 18 cm/7"
30-0546.24 Memory Maleable Spatula 24 mm 18 cm/7"
* shown with 29-1428 and 29-1150.01S (not included)
** also available with fenestrated blades. Add “M” behind article number
ValveGate™ Soft Tissue Protectors

The ValveGate™ Soft Tissue Protector for Minimally Invasive Valve Surgery is a sterile, single patient use wall access device consisting of 2 integral plastic rings that are interconected by means of a silicone rubber membrane. The bottom ring is a flexible ring made with a shape memory alloy to be inserted in situ.

The special features are:
- direct and unimpeded access to surgical site in minimally invasive valve or bypass surgery,
- MEDAC, VALS, transapical or transapical valve replacement a.o.
- protects wound edge and surrounding tissue
- usable with or without retractor
- can be used in combination with incision foil
- reduces risk of embolism via particles on instruments, sutures and lint pushers
- improves visibility and exposure
- self-holding, for intussusception from 80-90 mm (regular size) 50-80 mm (medium size) and from 30-50 mm (small size)
- very easy to insert in situ
- high flexibility

Art.-No. 25-8010 Punch Forceps for Soft Tissue Protector
26 cm punch cutting circular holes for placement of tubes and drains.

<table>
<thead>
<tr>
<th>Size</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular size</td>
<td>120x100 mm</td>
</tr>
<tr>
<td>Medium size</td>
<td>100x100 mm</td>
</tr>
<tr>
<td>Small size</td>
<td>70x70 mm</td>
</tr>
</tbody>
</table>

For easy placement simply push the flexible ring downwards as illustrated and insert it into the wound cavity. Then push the reversed portion carefully down as well and expand it. Remove it in the opposite way by inserting some fingers, grabbing a part of the flexible ring, and pulling it out carefully. Dispose after use.
00-3800  Clearly ValveGate™ Trainer
         with USB-camera and -light

77-3620  ValveGate™ PRO System Tray basket container with filter
         Special Tray DIN with filter to connect 8 instruments
         460x290x50 mm, with lid

77-3621  ValveGate™ PRO System Tray basket container
         Special Tray DIN with variable bracket and mounts
         484x254x40 mm, with lid

77-3623  ValveGate™ PRO System Tray
         large special Tray for Iron-Assistant™,
         536 x 240 x 85 mm, with lid

77-3600  Plastic Speciality Containers
         Convertible ValveGate™ & Laparoscopy, Base w. m.,
         removable insert, 478 x 253 x 130 mm, clear lid

1/1 Type  CleanLoop™ Sterilization Box
77-7010  Sterilization Box Aluminium 590x290x100 mm, Lid standard (md)
77-7011  Sterilization Box Aluminium 590x290x115 mm, Lid standard (md)
77-7012  Sterilization Box Aluminium 590x290x110 mm, Lid standard (md)
77-7013  Sterilization Box Aluminium 590x290x170 mm, Lid standard (md)
77-7015  Sterilization Box Aluminium 590x290x220 mm, Lid standard (md)
77-7017  Sterilization Box Aluminium 590x290x270 mm, Lid standard (md)

Accessories see special catalog
"Trays and Containers"
Black and White Special Edition

38-7800.WK  A variety of models is also optionally available in a new design of Black & White Special Edition (extra charge applies), please add ".WK" behind the item-number for ordering.