

Codman[®]
SPECIALTY SURGICAL

A DIVISION OF INTEGRA LIFESCIENCES



Hydrocephalus

Product Catalog

Codman® Hakim® Programmable Valve

The Codman® Hakim® Programmable Valve offers the ability to optimize the opening pressure of a shunt system before and after implantation. A shunted patient's condition will often change over the course of their treatment making pressure changes necessary. The programmable valve allows a surgeon to non-invasively change the opening pressure between 30 mm H₂O and 200 mm H₂O in 18 steps. The setting of the Codman® Hakim® Programmable Valve is changed through the use of an externally applied, codified magnetic field. The spring in the ball-spring mechanism of the valve sits atop a rotating spiral cam which contains a stepper motor. Applying a specific magnetic field to the stepper motor will cause the cam to turn slightly, increasing or decreasing the tension on the spring, and changing the opening pressure of the valve. The Codman® Hakim® Programmable Valve is available in multiple designs (Cylindrical, Regular, Micro, Burr Hole) and configurations.

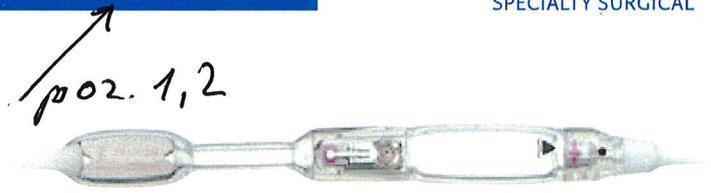


Programmer

Reference	Package Content
823192R	VPV® System <ul style="list-style-type: none"> • Programmer • Transmitter • Power cord • Carrying case • transmission gel
823190R	Codman® Hakim® Programmer <ul style="list-style-type: none"> • Programmer • Transmitter • Power cord • Carrying case



Codman® Hakim® Cylindrical - with Pre-Chamber



Reference Package Content

823110

Valve Only

- Valve with pre-chamber
- Straight connector titanium
- Valve introducer plastic



14 cm open-ended proximal tube, 1.14 mm ID x 2.5 mm OD

823100

Valve System

- Valve with pre-chamber
- 14 cm ventricular catheter (Ref. 823041)
- Stainless steel stylet
- 120 cm distal catheter (Ref. 823045)
- Valve introducer plastic
- Right-angled adaptor plastic
- Straight connector titanium

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14 cm open-ended proximal tube, 1.14 mm ID x 2.5 mm OD

823111

Valve System Unitized

- Valve with pre-chamber
- 14 cm ventricular catheter (Ref. 823041)
- Stainless steel stylet
- 120 cm distal catheter unitized (Ref. 823045)
- Valve introducer plastic
- Right-angled adaptor plastic
- Straight connector titanium



14 cm open-ended proximal tube, 1.14 mm ID x 2.5 mm OD

Codman® Hakim® Cylindrical - without Pre-Chamber



Reference Package Content

823115

Valve Only

- Valve
- Straight connector titanium
- Valve introducer plastic



14 cm open-ended proximal tube, 1.14 mm ID x 2.5 mm OD

823101

Valve System

- Valve
- 14 cm ventricular catheter (Ref. 823041)
- Stainless steel stylet
- 120 cm distal catheter (Ref. 823045)
- Valve introducer plastic
- Right-angled adaptor plastic
- Straight connector titanium

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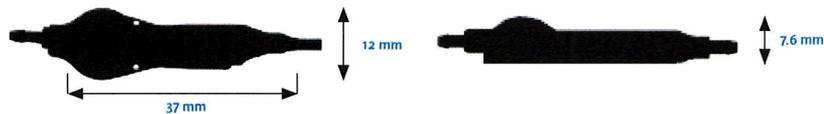
14 cm open-ended proximal tube, 1.14 mm ID x 2.5 mm OD

NS5034

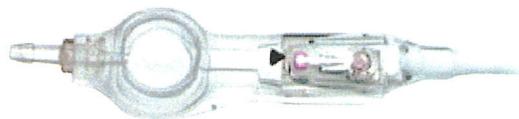
Valve only - Special

- Valve with integrated connectors
- Valve introducer plastic

Codman® Hakim® Regular



por 2,4



Reference Package Content

- 823164 **Valve Only**
- Valve with integrated plastic connectors
 - Priming adaptor plastic



- 823834 **Valve System**
- Valve with integrated plastic connectors
 - 14 cm ventricular catheter (Ref. 823041)
 - Stainless steel stylet
 - 120 cm distal catheter (Ref. 823045)
 - Right-angled adaptor plastic
 - Priming adaptor plastic

por. 2



- 823844 **Valve System Unitized**
- Valve with integrated plastic connector
 - 14 cm ventricular catheter (Ref. 823041)
 - Stainless steel stylet
 - 120 cm distal catheter unitized (Ref. 823045)
 - Right-angled adaptor plastic
 - Priming adaptor plastic



Codman® Hakim® Regular - with SiphonGuard®



por. 4



Reference Package Content

- 823162 **Valve Only**
- Valve with integrated plastic connectors
 - Priming adaptor plastic



- 823832 **Valve System**
- Valve with integrated plastic connectors
 - 14 cm ventricular catheter (Ref. 823041)
 - Stainless steel stylet
 - 120 cm distal catheter (Ref. 823045)
 - Right-angled adaptor plastic
 - Priming adaptor plastic

por. 4



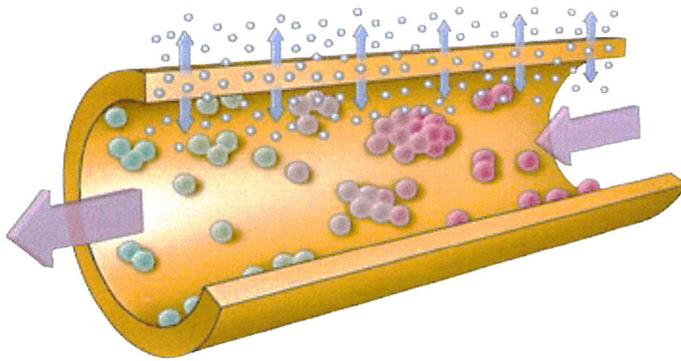
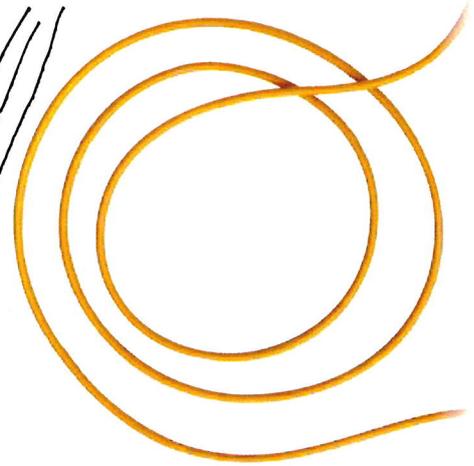
- 823842 **Valve System Unitized**
- Valve with integrated plastic connector
 - 14 cm ventricular catheter (Ref. 823041)
 - Stainless steel stylet
 - 120 cm distal catheter unitized (Ref. 823045)
 - Right-angled adaptor plastic
 - Priming adaptor plastic



Bactiseal® Catheters

Bactiseal® antimicrobial silicone impregnated catheter with 0.15% of Clindamycin and 0.054% of Rifampicin targets infection. Its properties protect patients from Gram Positive infection. The highest at risk groups are the PAEDIATRIC group, especially neonates. Bactiseal® offers proven dual-drug action against Gram Positive bacteria, kills 100% of target organisms within 52 h and 50 days of constant protection on all catheter surfaces.

por 3



Reference

Package Content

823072

Bactiseal® Catheters Kit

- Ventricular catheter
- Peritoneal catheter

por 3

823073

Bactiseal® Ventricular Catheter

- Length 14 cm, ID 1.4 mm, OD 2.7 mm
- Ventricular catheter

por 3

823074

Bactiseal® Peritoneal Catheter

- Length 120 cm, ID 1.0 mm, OD 2.2 mm
- Peritoneal catheter

por 3

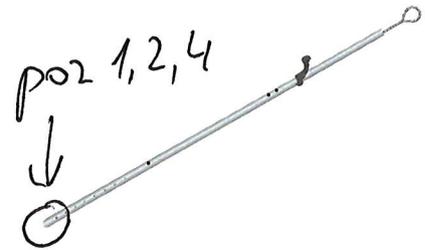


All catheters are packaged sterile in box of 1.

Ventricular Catheters

Codman® Hakim® Ventricular Catheter

Reference	Package Content
823041	Codman® Hakim® Ventricular Catheter Silicone impregnated with barium sulphate, Sterile Length 14 cm, ID 1.4 mm, OD 2.7 mm <ul style="list-style-type: none"> • Ventricular catheter • Stainless steel stylet • Right-angled adaptor plastic



Integra® Standard Ventricular Catheters

Reference	Package Content
9MD102A	Standard Ventricular Catheter with radiopaque length dots Full barium, Sterile Length 15 cm, ID 1.4 mm, OD 2.7 mm <ul style="list-style-type: none"> • Ventricular catheter with radiopaque length dots every 2 cm up to 10 cm from tip (F8) • Straight polypropylene connector • Right angle guide • Introducing rod
951102A	Standard Ventricular Catheter with right angle guide Full barium, Sterile Length 15 cm, ID 1.4 mm, OD 2.7 mm <ul style="list-style-type: none"> • Ventricular catheter • Straight polypropylene connector • Right angle guide • Introducing rod
951102	Standard Ventricular Catheter with stainless steel right angle connector Full barium, Sterile Length 15 cm, ID 1.4 mm, OD 2.7 mm <ul style="list-style-type: none"> • Ventricular catheter • Stainless steel right angle connector • Introducing rod

