

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.

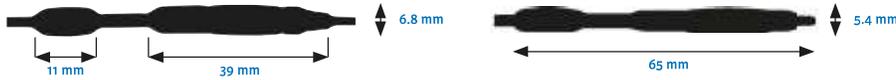


Programmer

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



Programmable Valves

Reference	Package Content
823110	Valve Only <ul style="list-style-type: none"> • Valve with pre-chamber • Straight connector titanium • Valve introducer plastic
823100	Valve System <ul style="list-style-type: none"> • Valve with pre-chamber • 14 cm ventricular catheter silicone • Stainless steel stylet • 120 cm distal catheter silicone • Valve introducer plastic • Right-angled adaptor plastic • Straight connector titanium
823111	Valve System Unitized <ul style="list-style-type: none"> • Valve with pre-chamber • 14 cm ventricular catheter silicone • Stainless steel stylet • 120 cm distal catheter silicone unitized • 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

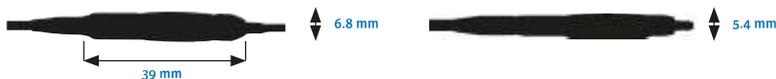


14 cm open-ended proximal tube, 1.14 mm ID x 2.5 mm OD



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 <ul style="list-style-type: none"> • Valve • Straight connector titanium • Valve introducer plastic
823101	Valve System <ul style="list-style-type: none"> • Valve • 14 cm ventricular catheter silicone • Stainless steel stylet • 120 cm distal catheter silicone • Valve introducer plastic • Right-angled adaptor plastic • Straight connector titanium
NS5034	Valve only - Special <ul style="list-style-type: none"> • Valve with integrated connectors • Valve introducer plastic

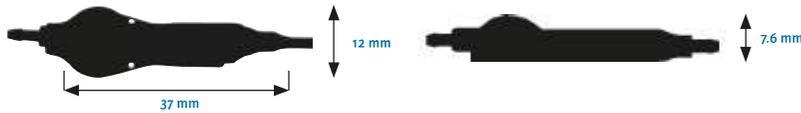


14 cm open-ended proximal tube, 1.14 mm ID x 2.5 mm OD



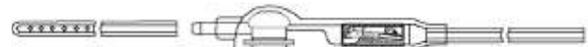
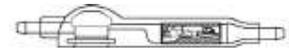
14 cm open-ended proximal tube, 1.14 mm ID x 2.5 mm OD

Codman® Hakim® Regular

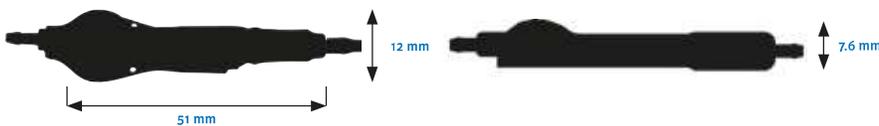


Programmable Valves

Reference	Package Content
823164	Valve Only <ul style="list-style-type: none"> • Valve with integrated plastic connectors • Priming adaptor plastic
823834	Valve System <ul style="list-style-type: none"> • Valve with integrated plastic connectors • 14 cm ventricular catheter silicone • Stainless steel stylet • 120 cm distal catheter silicone • Right-angled adaptor plastic • Priming adaptor plastic
823844	Valve System Unitized <ul style="list-style-type: none"> • Valve with integrated plastic connector • 14 cm ventricular catheter silicone • Stainless steel stylet • 120 cm distal catheter silicone unitized • Right-angled adaptor plastic • Priming adaptor plastic



Codman® Hakim® Regular - with SiphonGuard®

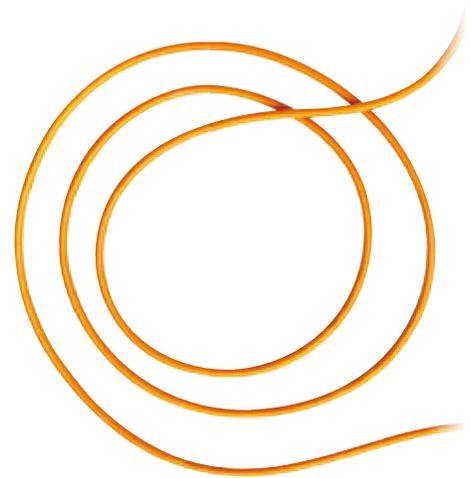
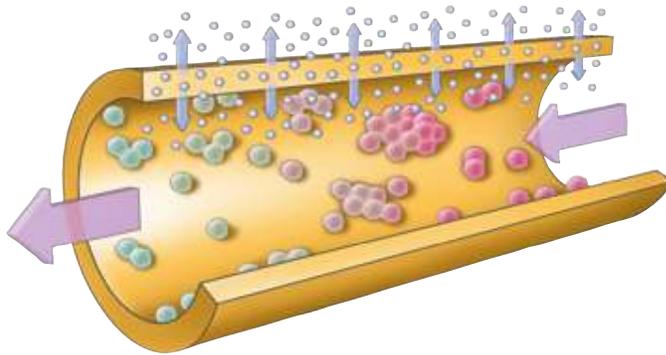


Reference	Package Content
823162	Valve Only <ul style="list-style-type: none"> • Valve with integrated plastic connectors • Priming adaptor plastic
823832	Valve System <ul style="list-style-type: none"> • Valve with integrated plastic connectors • 14 cm ventricular catheter silicone • Stainless steel stylet • 120 cm distal catheter silicone • Right-angled adaptor plastic • Priming adaptor plastic
823842	Valve System Unitized <ul style="list-style-type: none"> • Valve with integrated plastic connector • 14 cm ventricular catheter silicone • Stainless steel stylet • 120 cm distal catheter silicone unitized • 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.



Reference

Package Content

823072

Bactiseal® Catheters Kit

- Ventricular catheter
- Peritoneal catheter

823073

Bactiseal® Ventricular Catheter

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

823074

Bactiseal® Peritoneal Catheter

- Length 120 cm, ID 1.4 mm, OD 2.2 mm
- Peritoneal catheter

