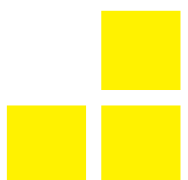


Tourniquet Systems Pressure Infusion



VBM *Medizintechnik GmbH*



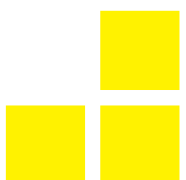
Summary

Tourniquets and Accessories

Digital Tourniquets.....	4-5
Compressed Air Tourniquets.....	6-7
Electronic Tourniquets.....	8-9
Application Tourniquets.....	10-11
Order Information Tourniquets.....	12
Manual Tourniquets.....	13
Single Cuffs.....	14
Double Cuffs.....	15
Roll-On Cuffs.....	16
Esmarch Bandages.....	17
Three Chamber Bloodexsanguination Garment.....	17

Pressure Infusion and Accessories

Automatic Pressure Infusors.....	19
Pressure Infusion Cuffs 500ml and 1000ml.....	20-21
Pressure Infusion Cuffs 1500ml, 3000ml and 5000ml....	22
Accessories for Pressure Infusion Cuffs.....	23



Digital Tourniquets

For electricity 90-250 VAC

Product Details

Digital Display

- Large color coded LED display is easy to read
- Precise monitoring shows actual cuff pressure

Precision Pressure Regulator

- Fast cuff inflation and deflation
- Regulator is easier to handle than touch pads
- Limits pressure to max. 600mmHg

Flush Button

- To check for bleeding after surgery
- To release drug slowly after I.V. Regional Anesthesia

Alarm System

- Visual and audible alarm to detect leaks, pressure deviations and low battery voltage

Color coded Extension Hoses

- With Positive Locking Connectors
- Easy attachment and detachment
- For safe and leak-free inflation

Automatic Timer

- Automatic time recording after cuff inflation
- Provides elapsed inflation time

Battery Back-Up

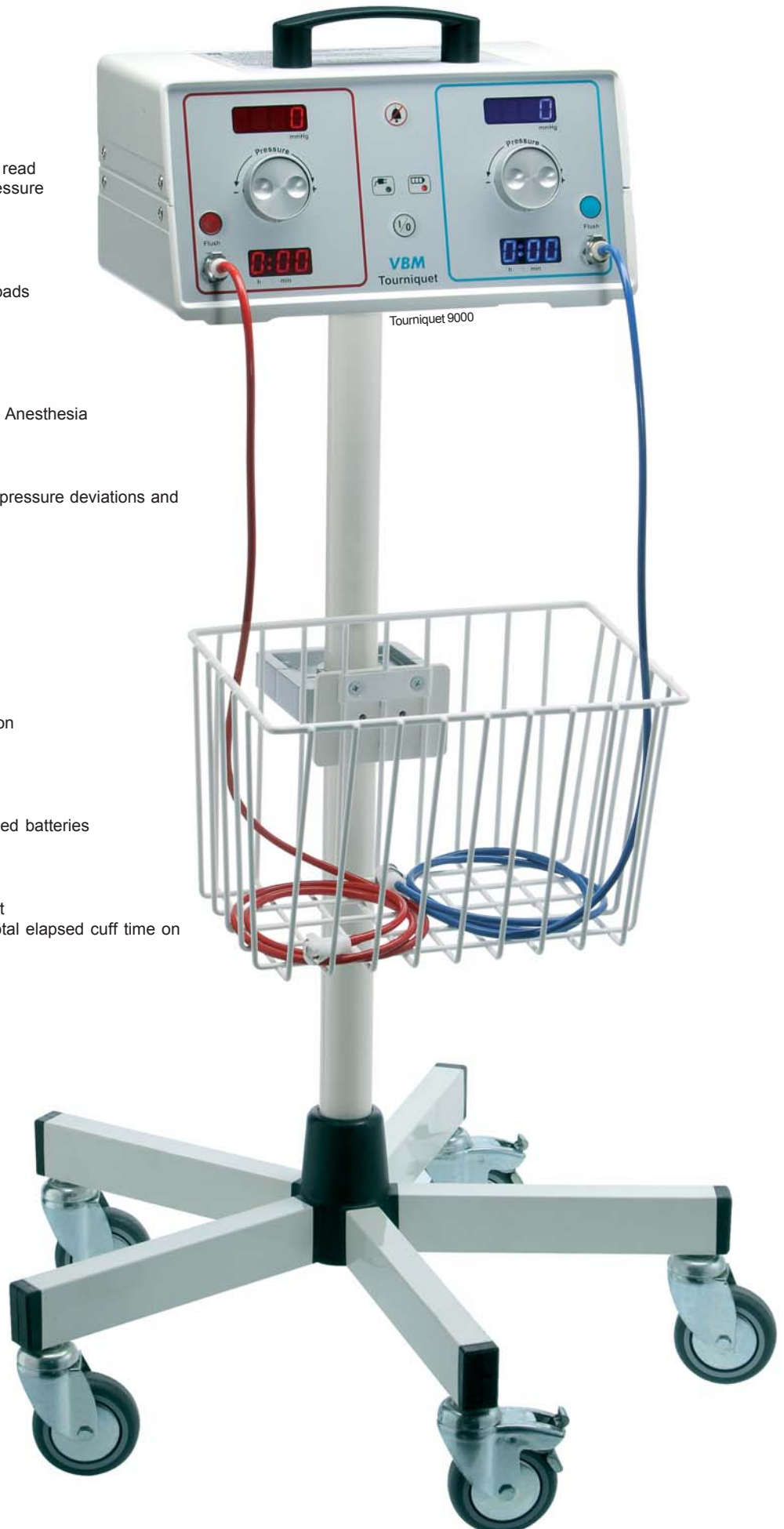
- Unit operates for 4 hours with fully charged batteries

Built-in Data Port

- Supports optional printer for patient report
- Reports cuff pressure adjustments and total elapsed cuff time on a self-adhesive label

Stand with basket

- Very stable
- Easy patient transport
- Roomy storage for cuffs



Tourniquet 8000

with single channel

- Bloodless Field



Tourniquet 9000

with dual channel

- Bloodless Field
- I.V. Regional Anesthesia
- Bilateral Surgery



Printer

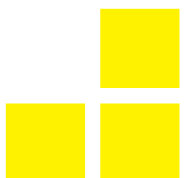
complete with one roll printer labels (930/roll)

REF 13-10-000

The digital Tourniquets 8000 and 9000 support the optional printer for patient report via a built-in data port.

Printer labels (930/roll)

REF 13-10-001



Compressed Air Tourniquets

For central compressed air supply

Product Details

Analogic Gauges

- Calibrated and sealed to insure the exact reading every time. No need to calibrate before each use

Precision Pressure Regulator

- Fast cuff inflation and deflation
- Very precise pressure regulation
- Safety knob prevents accidental movement
- Limits pressure to max. 600mmHg

Flush Button

- To check for bleeding after surgery
- To release drug slowly after I.V. Regional Anesthesia
- To deflate in manual mode

Color Coded Coil Tubing

- Built into Tourniquet
- Leak proof
- With positive locking connectors

Manual Safety System

- No battery needed
- Maintenance free
- Pressure is maintained during power failure
- Can be used at any time without power

Timer

- Count down timer with alarm

Stand with basket

- Very stable
- Easy patient transport
- Roomy storage for cuffs

Pressure Hose

- 4m (13ft.) long, supplied with the Tourniquet



Tourniquet 2500

with single channel

- Bloodless Field



Tourniquet 2800

with single channel and built-in pressure infusor

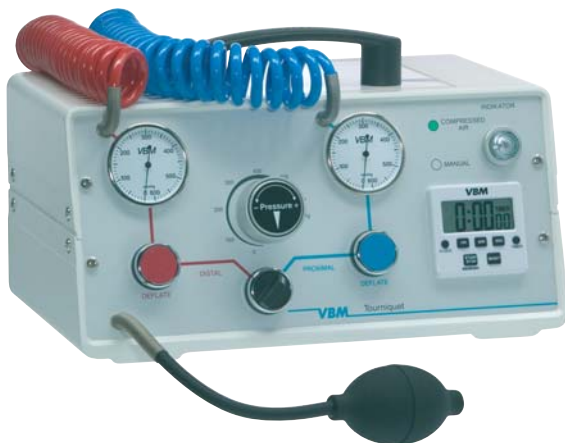
- Bloodless Field
- Automatic Blood-Exsanguination
- Pressure Infusion



Tourniquet 4500

with switch for I.V. Regional Anesthesia

- Bloodless Field
- I.V. Regional Anesthesia



Tourniquet 5000

with switch for I.V. Regional Anesthesia and built-in pressure infusor

- Bloodless Field
- I.V. Regional Anesthesia
- Automatic Blood-Exsanguination
- Pressure Infusion



Tourniquet 2x500

with dual channel

- Bloodless Field
- I.V. Regional Anesthesia
- Bilateral Surgery



Tourniquet 5800

with dual channel and built-in pressure infusor

- Bloodless Field
- I.V. Regional Anesthesia
- Bilateral Surgery
- Automatic Blood-Exsanguination
- Pressure Infusion



Electronic Tourniquets

For electricity with 230, 110 or 100 VAC

Product Details

Analogic Gauges

- Calibrated and sealed to insure the exact reading every time. No need to calibrate before each use.

Electronic Pressure Regulator

- Fast cuff inflation and deflation
- Very precise pressure regulation
- Safety knob prevents accidental movement
- Limits pressure to max. 600mmHg

Flush Button

- To check for bleeding after surgery
- To release drug slowly after I.V. Regional Anesthesia
- To deflate in manual mode

Alarm System

- Visual and audible alarm to detect leaks and pressure deviations

Color Coded Coil Tubing

- Built into Tourniquet
- Leak proof
- With positive locking connectors

Manual Safety System

- No battery needed
- Maintenance free
- Pressure is maintained during power failure
- Can be used at any time without power

Timer

- Count down timer with alarm

Stand with basket

- Very stable
- Easy patient transport
- Roomy storage for cuffs



Tourniquet 2500 ELC

with single channel

- Bloodless Field



Tourniquet 2800 ELC

with single channel and built-in pressure infusor

- Bloodless Field
- Automatic Blood-Exsanguination
- Pressure Infusion



Tourniquet 4500 ELC

with switch for I.V. Regional Anesthesia

- Bloodless Field
- I.V. Regional Anesthesia



Tourniquet 5000 ELC

with switch for I.V. Regional Anesthesia and built-in pressure infusor

- Bloodless Field
- I.V. Regional Anesthesia
- Automatic Blood-Exsanguination
- Pressure Infusion



Tourniquet 2x500 ELC

with dual channel

- Bloodless Field
- I.V. Regional Anesthesia
- Bilateral Surgery











Tourniquet 5800 ELC























with dual channel and built-in pressure infusor

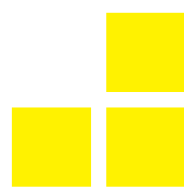
- Bloodless Field
- I.V. Regional Anesthesia
- Bilateral Surgery
- Automatic Blood-Exsanguination
- Pressure Infusion







Application Tourniquets

			
Tourniquet	8000	2500 2500 ELC	2800 2800 ELC
Bloodless Field			
I.V. Regional Anesthesia			
Bilateral Surgery			
Automatic Blood-Exsanguination			
Pressure Infusion			

				
4500	5000		2x500	5800
4500 ELC	5000 ELC	9000	2x500 ELC	5800 ELC
				
				
				
				
				



Order Information Tourniquets

Tourniquet	 <p>Table Unit with Carrying Handle</p>	 <p>Table Unit with Carrying Handle, Stand and Basket</p>	 <p>with Universal Clamp and Protection Cover</p>	 <p>with Stand, Basket and Protection Cover</p>
8000	12-12-800	12-22-800	—	—
2500	15-12-500	15-22-500	15-13-500	15-15-500
2500 ELC	15-12-500 ELC	15-22-500 ELC	15-13-500 ELC	15-15-500 ELC
2800	15-12-550	15-22-550	15-13-550	15-15-550
2800 ELC	15-12-550 ELC	15-22-550 ELC	15-13-550 ELC	15-15-550 ELC
4500	19-12-500	19-22-500	19-13-500	19-15-500
4500 ELC	19-12-500 ELC	19-22-500 ELC	19-13-500 ELC	19-15-500 ELC
5000	19-12-550	19-22-550	19-13-550	19-15-550
5000 ELC	19-12-550 ELC	19-22-550 ELC	19-13-550 ELC	19-15-550 ELC
9000	13-12-900	13-22-900	—	—
2x500	11-12-550	11-22-550	11-13-550	11-15-550
2x500 ELC	11-12-550 ELC	11-22-550 ELC	11-13-550 ELC	11-15-550 ELC
5800	11-12-580	11-22-580	11-13-580	11-15-580
5800 ELC	11-12-580 ELC	11-22-580 ELC	11-13-580 ELC	11-15-580 ELC

Manual Tourniquets

Manometer 600mmHg with Hand Inflator



blue coil extension tubing and positive locking connector
REF 20-18-601



red coil extension tubing and positive locking connector
REF 20-18-602

Manometer 600mmHg with Handpump



blue coil extension tubing and positive locking connector
REF 20-19-601



red coil extension tubing and positive locking connector
REF 20-19-602

Tourniquet "Tourny I"

with stainless steel buckle

REF 20-30-000 Box 20



Tourniquet "Tourny II"

with aluminum buckle

REF 20-32-000 Box 20



Tourniquet "Tourny III"

with plastic buckle

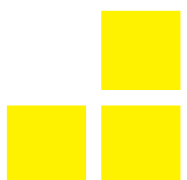
REF 20-30-100 Box 10



Tourniquet for Child

elastic tape with velcro fastening

REF 20-30-005 Box 10



Tourniquet Cuffs

Product details

Silicone Bladder

- Silicone material is elastic and acts as a low pressure cuff (as wider the cuff as lower the inflation pressures needed)
- Durable and high quality material
- Latex free

Cuff ties

- Provide easy cuff positioning and security
- Color coded for identification of different sizes

Silicone Tubing

- Kink resistant
- Never cracks
- Latex free

Positive locking connectors (PLC)

- For easy attachment and detachment
- For safe and leak-free inflation

Single Cuffs



Fabric Cuffs

- Washable and reusable
- Fixation via Velcro tape
- Bladder and fabric sleeve can be replaced



Silicone Cuffs

- Autoclavable at 134°C (273°F)
- Fixation via strap and buckle
- Easy to clean and dry quickly



Silicone/Velcro Cuffs

- Autoclavable at 134°C (273°F)
- Fixation via Velcro tape
- Velcro sleeve can be replaced
- Easy to clean and dry quickly



Disposable Cuffs

- Disposable, sterile peel pouch
- Low profile, welded cuff (no bladder)
- Eliminate risk of cross contamination

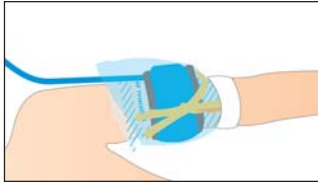
Patient,
Size

				PLC Connector	Luer Lock Connector
Infant, 20cm (8")	20-54-700	—	20-64-700	20-34-700SLZ-1	20-34-700LL-1
Child, 30cm (12")	20-54-710	20-94-710	20-64-710	20-34-710SLZ-1	20-34-710LL-1
Arm, 35cm (14")	20-54-711	20-94-711	20-64-711	20-34-711SLZ-1	20-34-711LL-1
Arm, 46cm (18")	20-54-712	20-94-712	20-64-712	20-34-712SLZ-1	20-34-712LL-1
Leg, 61cm (24")	20-54-722	20-94-722	20-64-722	20-34-722SLZ-1	20-34-722LL-1
Leg, 76cm (30")	20-54-727	20-94-727	20-64-727	20-34-727SLZ-1	20-34-727LL-1
Leg, 86cm (34")	20-54-728	20-94-728	20-64-728	20-34-728SLZ-1	20-34-728LL-1
Leg, 107cm (42")	20-54-729	20-94-729	20-64-729	20-34-729SLZ-1	20-34-729LL-1

Plastic Cover

Tourniquet Cuff Protector

The plastic covers keep the cuff free from soiling and allow sealing the cuff with adhesive tape without damaging the cuff.



REF	Size	Box
REF 20-11-111	small	50
REF 20-11-111-1	ditto but sterile	50
REF 20-11-222	large	50
REF 20-11-222-1	ditto but sterile	50

Tape-Measure

color coded, for easy identification of patient extremity and cuff size

REF 20-95-111



Double Cuffs



Fabric Cuffs

- Washable and reusable
- Fixation via Velcro tape
- Bladder and fabric sleeve can be replaced



Silicone Cuffs

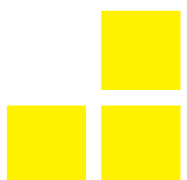
- Autoclavable at 134°C (273°F)
- Fixation via strap and buckle
- Easy to clean and dry quickly



Silicone/Velcro Cuffs

- Autoclavable at 134°C (273°F)
- Fixation via Velcro tape
- Velcro sleeve can be replaced
- Easy to clean and dry quickly

Patient, Size	Fabric Cuffs	Silicone Cuffs	Silicone/Velcro Cuffs
Infant, 20cm (8")	20-50-700	—	20-60-700
Child, 30cm (12")	20-50-710	20-90-710	20-60-710
Arm, 35cm (14")	20-50-711	20-90-711	20-60-711
Arm, 46cm (18")	20-50-712	20-90-712	20-60-712
Leg, 61cm (24")	20-50-722	20-90-722	20-60-722
Leg, 76cm (30")	20-50-727	—	20-60-727
Leg, 86cm (34")	20-50-728	—	—
Leg, 107cm (42")	20-50-729	—	—

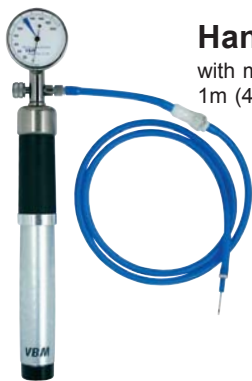


Blood Exsanguination

Roll-On Cuffs

- Exsanguinator allows fast and easy blood exsanguination within seconds (as alternative to Esmarch Bandage)
- Material: Silicone, transparent
- Reusable, autoclavable up to 134°C (273°F)
- Latex free

Size	Color code	Patient limb		REF
0	grey	16-21cm	6"-8"	21-95-710
1	white	20-28cm	8"-11"	21-95-711
2	light-blue	26-33cm	10"-13"	21-95-712
3	yellow	31-40cm	12"-16"	21-95-719
4	red	38-49cm	15"-19"	21-95-722
5	green	47-60cm	18"-23"	21-95-727
6	dark-blue	58-70cm	23"-28"	21-95-729



Handpump
with manometer and
1m (40") connecting tube

REF 21-95-350



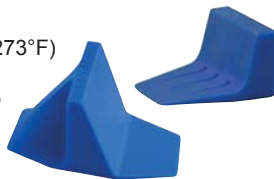
Manometer
with 1m (40") connecting tube

REF 21-95-300

Brake-Block

made of Silicone,
autoclavable up to 134°C (273°F)

REF 21-95-200 small size
REF 21-95-201 large size



Tape-Measure

color coded, for easy identification
of patient extremity and cuff size

REF 21-95-111



REF 21-95-400

Roll-On Cuff Set

small sizes

complete case with Roll-On Cuff sizes 1-4, manometer with connecting tube, tape-measure, brake-block small and large

REF 21-95-400

Roll-On Cuff Set

large sizes

complete case with Roll-On Cuff sizes 3-6, handpump with manometer and connecting tube, tape-measure, brake-block small and large

REF 21-95-401

Esmarch Bandages

autoclavable up to 134°C (273°F)
 Length: 5 m (16ft.)
 latex free

Width	inch	REF
6cm	2 ³ / ₈ "	20-20-060
8cm	3 ¹ / ₈ "	20-20-080
10cm	4"	20-20-100
12cm	4 ³ / ₄ "	20-20-120
15cm	6"	20-20-150



disposable, sterile packed, Box of 10
 Length: 4 m (13ft.)
 latex free

Width	inch	REF
8cm	3 ¹ / ₈ "	20-21-080-1
10cm	4"	20-21-100-1
15cm	6"	20-21-150-1



Three Chamber Bloodexsanguination Garment

Automatic exsanguination for use with VBM Tourniquets 2800, 5000 and 5800

Due to the Three Chamber-System the garment is inflated automatically from distal to proximal.

With the 3 position zipper the garment can be adjusted to fit different size extremities for efficient exsanguination of the patients limb. Sleeve and bladder are exchangeable and available as spare parts.



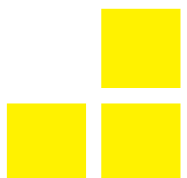
REF 20-13-341



REF 20-13-343

Three Chamber Bloodexsanguination Garment, for arm
 Three Chamber Bloodexsanguination Garment, for leg

REF 20-13-341
 REF 20-13-343



Pressure Infusors

Pressure Infusion Cuffs

Automatic Pressure Infusors

For irrigation e.g. during Arthroscopy, Laparoscopy and Hysteroscopy

Product Details

Precision Pressure Regulator

- Very precise pressure regulation
- maintains selected pressure and guarantees automatic compensation
- limits pressure to max. 300mmHg

Protection Cover

- Protects the device from liquid and damage

Coil Tubing

- Built into Pressure Infusor
- Leak proof
- With male Luer Lock Connector

Universal Clamp

- Horizontal or vertical position for attachment to drip stand or rail

Pressure Infusor 100

with single channel

for compressed air

supplied with 4m (13ft.) pressure hose

with universal clamp

REF 52-13-100

with stand and basket

REF 52-15-100



Pressure Infusor 200

with switch for the connection of two Pressure Infusion Cuffs

for compressed air

supplied with 4m (13ft.) pressure hose

with universal clamp

REF 52-13-200

with stand and basket

REF 52-15-200



Pressure Infusor 200 ELC

with switch for the connection of two Pressure Infusion Cuffs

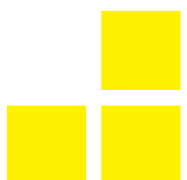
for electricity, available in 230, 110 or 100 VAC

with universal clamp

REF 52-13-200 ELC

with stand and basket

REF 52-15-200 ELC



Pressure Infusion Cuffs

500ml and 1000ml

Manual system for rapid I.V. infusion of blood and solutions. Ideal for ambulances, operation rooms and intensive care stations.

500ml reusable

with hand inflator

REF

51-05-050

with hand inflator and manometer

51-06-050

with hand inflator and manometer
(shock resistant precision manometer)

51-08-050



REF 51-08-050

500ml

transparent, wrap around design, reusable REF

with hand inflator and pressure indicator

57-02-050

with hand inflator and manometer
(shock resistant precision manometer)

57-08-050



REF 57-08-050

1000ml

pocket design with zip, reusable

with hand inflator

REF

52-05-100

with hand inflator and manometer

52-06-100

with hand inflator and manometer
(shock resistant precision manometer)

52-08-100



REF 52-08-100

**1000ml
wrap around design, reusable**

with hand inflator

with hand inflator and manometer

with hand inflator and manometer
(shock resistant precision manometer)

REF

53-05-100

53-06-100

53-08-100



REF 53-08-100



REF 56-02-100

**1000ml
for single patient use**

with female Luer Lock connection

with hand inflator and pressure indicator

with hand inflator

REF

56-01-100

56-02-100

56-03-100

**1000ml
transparent, wrap around design, reusable REF**

with hand inflator and pressure indicator

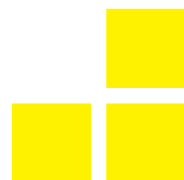
57-02-100

with hand inflator and manometer
(shock resistant precision manometer)

57-08-100



REF 57-08-100



Pressure Infusion Cuffs

1500ml, 3000ml and 5000ml

For irrigation purposes e.g. during Arthroscopy, Laparoscopy and Hysteroscopy

1500ml

pocket design with zip, reusable

with female Luer Lock

with hand inflator and manometer,
(shock resistant precision manometer)

with handpump and manometer
(shock resistant precision manometer)

REF

52-01-150

52-08-150

52-30-150



3000ml

pocket design with zip, reusable

with female Luer Lock

with hand inflator and manometer,
(shock resistant precision manometer)

with handpump and manometer,
(shock resistant precision manometer)

REF

52-01-300

52-08-300

52-30-300

5000ml

pocket design with zip, reusable

with female Luer Lock

with hand inflator and manometer,
(shock resistant precision manometer)

with handpump and manometer,
(shock resistant precision manometer)

REF

52-01-500

52-08-500

52-30-500



Accessories for Pressure Infusion Cuffs



Manometer 300mmHg

shock resistant

REF 34-17-300



Manometer 300mmHg

REF 20-16-300



Manometer 300mmHg

with hand inflator and
release valve

REF 20-18-300



Manometer 300mmHg

with hand inflator, release valve
and male Luer Lock

REF 51-09-666



Hand Inflator

with release valve

REF 51-10-666



Handpump

with release valve and
male Luer Lock

REF 51-30-000



Foot Pump

with 2m (79") silicone hose,
release valve and male Luer Lock

REF 51-20-000



Hand Inflator

with pressure indicator, three-way
stop cock and male Luer Lock

REF 51-02-666



Hand Inflator

with three-way stop cock and
male Luer Lock

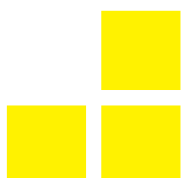
REF 51-03-666



Three-way stop cock

with two male and
one female Luer Lock

REF 51-02-000





VBM Medizintechnik GmbH

Einsteinstrasse 1
DE-72172 Sulz a.N.
Germany

Tel.: +49 74 54 / 95 96-10
Fax: +49 74 54 / 95 96-33
e-mail: info@vbm-medical.de
www.vbm-medical.de



VBM USA

VBM Medical Inc.
524 Herriman Court
Noblesville IN 46060
USA

Tel.: 317 776 1800
Fax: 317 776 1881
e-mail: info@vbm-medical.com

VBM France

VBM France sarl
ZAC de la Ferrage
13980 Alleins
France

Tel.: 04.42.46.79.53
Fax: 04.42.46.79.54
e-mail: info@vbm-medical.fr

VBM Czech Republic

VBM Léčarská technika, spol.s.r.o.
Komenského 1313
66434 Kurim
Czech Republic

Tel.: 5 4123 1191
Fax: 5 4123 1191
e-mail: vbm@volny.cz