

# **WOUND DRAINAGE**







For over 20 year Iskus Health has been supplying high-quality, reliable wound drainage products which perform to as our customers expect and hence we have become a trusted solution for these products.

Partnering with PRIMED GmbH who is a highly experienced manufacturer of high-quality wound drainage products gives us confidence that the products will perform perfectly for you and your patients with the reassurance of German medical engineering.

All products are developed and manufactured in-house employing a quality standard certified in accordance with DIN EN 13485. From with the initial product idea to material tests and tool construction right up to the product launch, PRIMED produce innovative medical devices from a single source. Production spans the entire manufacturing process from injection moulding/ extrusion/assembly up to sterilisation.

#### **Explanations**

STERILE EO	Sterilised with ethylene oxide
PU/SU	Packaging unit / shipping unit
REF	Reference number/product Code
Ch	French scale = Unit indicating the External diameter of drains ( 1 Ch. = 1/3 mm)
ø	Diameter

## LOW-VACUUM SYSTEMS

## Wound Drainage Kit with flat drain

Low-vacuum drains with flat drains are used for suction-assisted, postoperative drainage of wound secretions. They comprise a silicone collecting bulb, which can be compressed to generate a vacuum for active suction support and a J.P. flat drain made of silicone.

In addition to this active drainage, the system can also function by means of passive (gravity) drainage.





#### Drainage kit with flat drain

- Silicone collecting bulb 100 cm<sup>3</sup>
  - Volume = 100 ml
  - Transparent material allows visual control of drained fluid
  - With universal hanger
  - With non-return valve
  - With scale to provide an at-a-glance information about current fill levels
  - Stepless plug connection for safe and gen-tle removal of the drain
- J.P. flat drain
  - Soft, medical grade silicone ensures good tissue compatibility Total length = 600 mm, of which 200 mm are a fully perforated flat drain Fully radiopaque

  - Inner ribbing prevents the drain from collapsing (even at higher pressures or when a vacuum is applied)
  - With rounded, atraumatic holes

Fat drain		Drain b	Drain body		REF	
Width	Height	Length	Ch.	Length		
4 mm	3mm	200mm	Ch.15	600mm	10/40	24840
7 mm	3mm	200mm	Ch.15	600mm	10/40	24841
10 mm	4mm	200mm	Ch.15	600mm	10/40	24842

#### Silicone reservoir

- With connector for J.P. flat drains
- Made of medical grade silicone

PU/SU	REF	
100 cm <sup>3</sup>	10/30	21078
150 cm <sup>3</sup>	10/30	21085
400 cm <sup>3</sup>	10/30	21086



## LOW-VACUUM SYSTEMS

### Silicone reservoir with Luer lock connection

This collection reservoir can be used in combination with a drain for suction-assisted, postoperative drainage of wound secretions. The Silicone collection reservoir functions by means of passive (gravity) drainage, but can also be compressed to generate a negative pressure and support active suction.



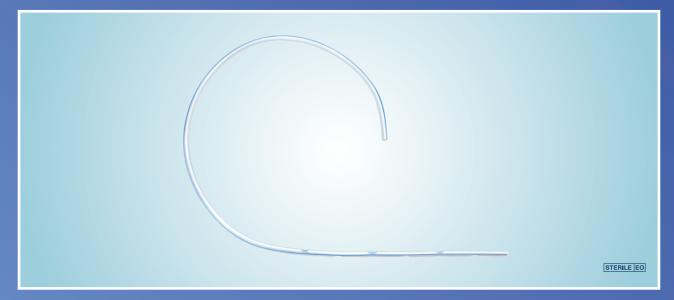
- Silicone collecting bulb 400 cm<sup>3</sup>
  - Volume = 400 ml
  - Transparent material allows visual control of drained fluid
  - With universal hanger
  - With non-return valve
  - With scale to provide an at-a-glance information about current fill levels
  - With Luer lock connection
  - Stepless plug connection for safe and gen-tle removal of silicone drains
- Venting filter

	PU/SU	REF
400 cm <sup>3</sup>	15/15	21203

## SILICONE ROUND DRAINS

## **Soft Silicone Round Drains**

Soft drains are round drains made of medical grade silicone and used for open or half-open wound drainage via gravity.



#### **Product features:**

- Soft, medical grade silicone ensures good tissue compatibility
- Rounded, atraumatic tip
- 6 side openings
- With radiopaque stripe
- Length = 500 mm

Ch.	PU/SU	REF
8	25/100	21899
10	25/100	21900
12	25/100	21901
14	25/100	21130
15	25/100	21902
18	25/100	21903
20	25/100	21131
21	25/100	21904
24	25/100	21905
26	25/100	21132
27	25/100	21906
30	25/100	21907
33	25/100	21908
36	25/100	21909
39	25/100	21133



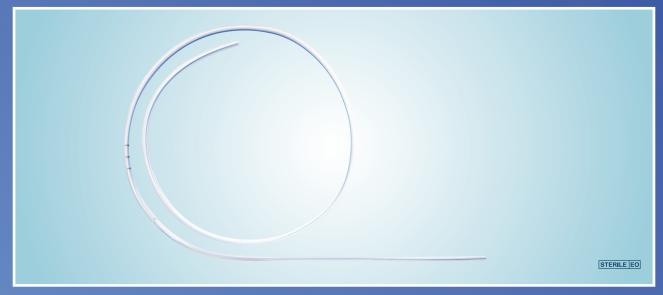
Soft drain

## SILICONE CHANNEL DRAINS

## without trocar

## Channel drains without trocar

Cross-profile drain made of silicone with cross-shaped, slotted drain profile for open or half-open drainage of wound secretion.



- Soft, medical grade silicone ensures good tissue compatibility
- With radiopaque stripe
- Kink resistant thanks to channel structure
- 4 drainage channels ensure continuous secretion flow and avoid incrustrations
- Easy to remove thanks to low incidence of tissue ingrowth
- Length markings facilitate repositioning
- Transparent drain tube allows for easy visual inspection

Ch.	Total length	Length of drainage channels	PU/SU	REF
10	1100 mm	300 mm	10/10	24458
15	1100 mm	300 mm	10/10	24468
19	1100 mm	300 mm	10/10	24472
21	1100 mm	300 mm	10/10	24469
24	1100 mm	300 mm	10/10	24470
27	1100 mm	300 mm	10/10	24471

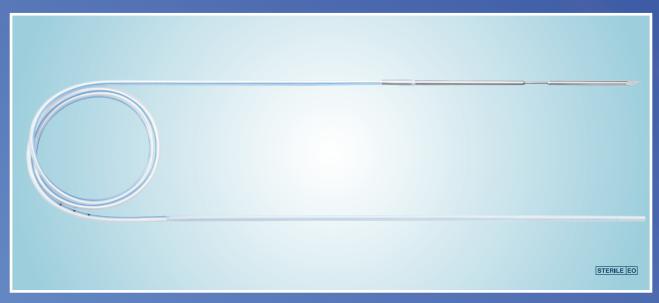


## SILICONE CHANNEL DRAINS

## with trocar

## **Channel drains with trocar**

Channel drain made of silicone with cross-shaped, slotted drain profile and preconnected single-use guide needle (trocar) for optimal positioning. These drains are used for open and half-open drainage of wound secretion.



- Made of soft medical grade silicone and a preconnected guiding needle (trocar) made of medical grade stainless steel
- Sharp trocar enables ideal positioning of the drain
- With radiopaque stripe
- Kink resistant thanks to channel structure
- 4 drainage channels ensure continuous secretion flow and avoid incrustrations
- Easy to remove thanks to low incidence of tissue ingrowth
- Length markings facilitate repositioning
- Transparent drain tube allows for easy visual inspection

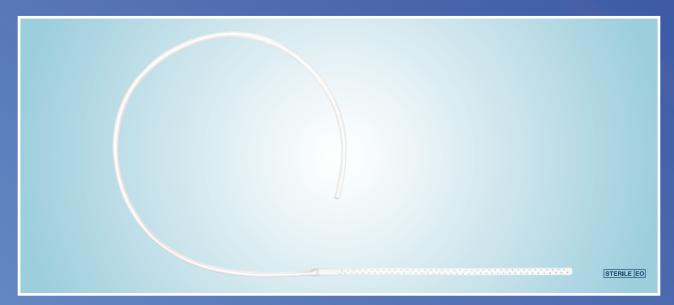
Ch.	Total length	Length of drainage channels	PU/SU	REF
10	1100 mm	300 mm	20/40	24384
15	1100 mm	300 mm	20/40	24385
19	1100 mm	300 mm	20/40	24386
21	1100 mm	300 mm	20/40	24387
24	1100 mm	300 mm	20/40	24388
27	1100 mm	300 mm	20/40	24389



## SILICONE FLAT DRAINS

## **Soft Silicone Flat Drains**

Flat drains made of medical grade silicone are used for open and half-open wound drainage by means of gravity and allow a small wound opening thanks to their flat shape.



- Soft, medical grade silicone ensures good tissue compatibility
- Fully perforated, with atraumatic openings
- Fully radiopaque
- Flat drain length: 200 mm
- Drain body: 15 Ch., length = 600 mm
- Inner ribbing prevents it from collapsing even at higher pressures or when a vacuum is applied

Flat drain		Drain bo	ody			
Width	Height	Length	Ch.	Length	PU/SU	REF
4 mm	3 mm	200 mm	15	600 mm	10/70	21080
7 mm	3 mm	200 mm	15	600 mm	10/70	21081
10 mm	4 mm	200 mm	15	600 mm	10/70	21082
13 mm	5 mm	200 mm	15	600 mm	10/70	21083



## LOW-VACUUM SYSTEMS PASSIVE DRAINAGE

#### Passive Drainage (Gravity drainage) with silicone soft drain

Passive drainage is used for for open for half-open wound drainage by gravity. This drainage system consists of a drainage bag with non-return valve, a connecting tube and a silicone soft drain.



- Drainage bag 500 ml
  - With non-return valve to avoid secretion backflow
  - With large-lumen tap
  - With scale
  - Patient information can be entered in pre-printed fields
- Silicone soft drain
  - Soft, medical grade silicone ensures good tissue compatibility
  - Rounded, atraumatic tip
  - 6 side openings
  - With radiopaque stripe

Ch.	Drain length	PU/SU	REF
Ch. 10	1000 mm	25/ 50	22051
Ch. 12	1000 mm	25/ 50	21910
Ch. 14	1000 mm	25/50	21898
Ch. 15	1000 mm	25/ 50	21911
Ch. 16	1000 mm	25/ 50	21845
Ch. 18	1000 mm	25/50	21912
Ch. 20	1000 mm	25/ 50	21888
Ch. 21	1000 mm	25/50	21913
Ch. 24	1000 mm	25/ 50	21914
Ch. 26	1000 mm	25/50	21134
Ch. 27	1000 mm	25/ 50	21915
Ch. 30	1000 mm	25/50	21916
Ch. 33	1000 mm	25/ 50	21917
Ch. 36	1000 mm	25/ 50	21918



## High-vacuum systems PRIVAC®

## **High-vacuum systems**

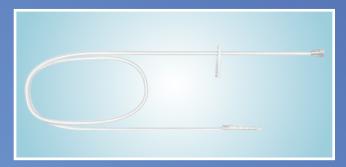
Systems for postoperative wound drainage and routine use in operating theatres.

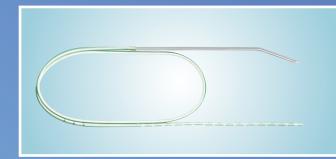


### HIGH-VACUUM SYSTEMS PRIVAC<sup>®</sup>

PRIVAC<sup>®</sup> Redon systems for postoperative wound drainage are available as complete sets, OR systems and ward systems.







#### Redon bottle

- Pre-evacuated reservoir with a high initial vacuum of max. 900 mbar
- With integrated vacuum indicator
- Available with Large lock or Luer lock connector
- Easy activation of suction via quick release of slide clamp
- 200 ml and 400 ml bottles Include an additional safety volume of 50 ml
- Large and small scales for exact determination of filling quantity



Material: PVC

#### **Connecting tube**

- Length = 125 cm
- Available with Large lock or Luer lock connector for safe connection/ disconnection of bottle and tube
- Universal connector for attachment of 6-18 Ch. Redon drains
- With slide clamp

#### Redon drain

- Redon drain with trocar (guide needle)
- Perforations along 150 mm

#### **Technical data**

- High initial vacuum
- Bottle volume: 200 ml/ 400 m/ 600 ml
- Drain size: 6-18 Ch.
- Length of drain with perforations: 150 mm
- Luer lock & large lock connector

## HIGH-VACUUM SYSTEMS Use of PRIVAC<sup>®</sup>



Insert the drain into the open wound and route it out with the help of the trocar (guide needle) from the surface near the wound, leaving the perforated end in the wound..



Remove the trocar using sterile scissors.



Length markings help to place the drain in the correct position. Fix the drain at approx. 3-5 cm from the point where it exits the wound.

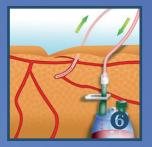


Connect the connecting tube to the PRIVAC<sup>®</sup> high-vacuum bottle. Cut the graduated connector to the required drain size and then connect the drain.

(The vacuum indicator must be compressed. If it is open, there is no vacuum and the bottle must be replaced.)



Establish the vacuum suction by opening the slide clamp on the green fitting of the bottle.



The drainage fluid now runs into the PRIVAC<sup>®</sup> high-vacuum bottle.



To change the bottle, close the slide clamp on the connecting tube and detach the tube (there is no more vacuum once the vacuum indicator has opened up). Then connect a new PRI-VAC<sup>®</sup> bottle to the connecting tube (continue with point 5).

## HIGH-VACUUM SYSTEMS PRIVAC<sup>®</sup> 200ml



#### PRIVAC<sup>®</sup> 200 ml complete set

• Redon bottle, connecting tube, Redon drain with trocar (guide needle)

Ch.	Drain length	Connector	PU/SU	REF
8	500 mm	Large lock	60/60	22005
10	800 mm	Large lock	60/60	22006
12	800 mm	Large lock	60/60	22007
14	800 mm	Large lock	60/60	22008



#### PRIVAC<sup>®</sup> 200 ml OR system

#### • Redon bottle, connecting tube

Connector	PU/SU	REF
Large lock	60/60	24500
Luer lock	60/60	22003

#### <u>PRIVAC<sup>®</sup> 200 ml ward system</u> (replacement bottle)

• Redon bottle

STERILE EO

PU/SU	REF
60/60	24501
60/60	22004
	60/60





CONNECTION OPTIONS

## HIGH-VACUUM SYSTEMS PRIVAC<sup>®</sup> 400ml





• Redon bottle, connecting tube, Redon drain with trocar (guide needle)

Ch.	Drain length	Connector	PU/SU	REF
8	500 mm	Large lock	50/50	22020
10	800 mm	Large lock	50/50	22021
12	800 mm	Large lock	50/50	22022
14	800 mm	Large lock	50/50	22023
16	800 mm	Large lock	50/50	22024
18	800 mm	Large lock	50/50	22025



#### PRIVAC<sup>®</sup>\_400 ml OR system

• Redon bottle, connecting tube

Connector	PU/SU	REF
Large lock	50/50	24502
Luer lock	50/50	21949

#### <u>PRIVAC<sup>®</sup> 400 ml ward system</u> (replacement bottle)

• Redon bottle

STERILE EO

Connector	PU/SU	REF
Large lock	50/50	24503
Luer lock	50/50	21948





CONNECTION OPTIONS



## HIGH-VACUUM SYSTEMS PRIVAC<sup>®</sup> 600ml





 Redon bottle, connecting tube, Redon drain with trocar (guide needle)

Ch.	Drain length	Connector	PU/SU	REF
8	500 mm	Large lock	35/35	22400
10	800 mm	Large lock	35/35	22401
12	800 mm	Large lock	35/35	22402
14	800 mm	Large lock	35/35	22403
16	800 mm	Large lock	35/35	22404
18	800 mm	Large lock	35/35	22405



#### PRIVAC<sup>®</sup>\_600 ml OR system

#### • Redon bottle, connecting tube

Connector	PU/SU	REF
Large lock	35/35	24504
Luer lock	35/35	22407

#### PRIVAC<sup>®</sup> 600 ml ward system (replacement bottle)

• Redon bottle

STERILE EO

Connector	PU/SU	REF
Large lock	35/35	24505
Luer lock	35/35	22406





CONNECTION OPTIONS

### HIGH-VACUUM SYSTEMS PRIVAC<sup>®</sup> Special variant 400ml



#### PRIVAC<sup>®</sup> 400 ml complete set

• Redon bottle (PVC), connecting tube, Redon drain without trocar (PU)

Ch.	Drain length	Connector	PU/SU	REF
10	500 mm	Large-Lock	50/50	21958
12	500 mm	Large-Lock	50/50	21959
14	500 mm	Large-Lock	50/50	21957
16	500 mm	Large-Lock	50/50	21956
18	500 mm	Large-Lock	50/50	21955

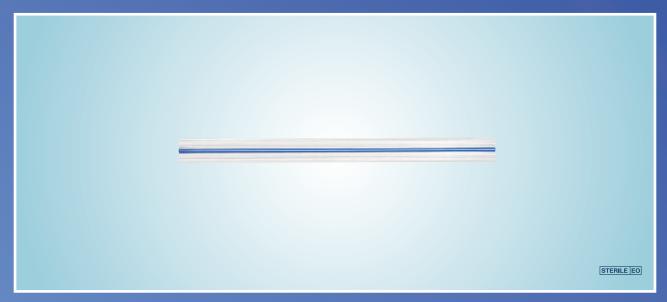


Large lock connector

## SILICONE DRAINS Drainage strip

Drainage strip

Drainage strip with capillary ribbing for gentle wound drainage by means of capillary suction or gravity. The drainage strip is used to hold the wound open and drain secretions. It is ideal for use in the fields of plastic surgery, hand and foot surgery, ENT surgery and oral and maxillofacial surgery.



- Soft, medical grade silicone ensures good tissue compatibility
- With radiopaque stripe
- With inner ribbing for effective drainage
- Helps to keep wounds open and to evacuate secretion

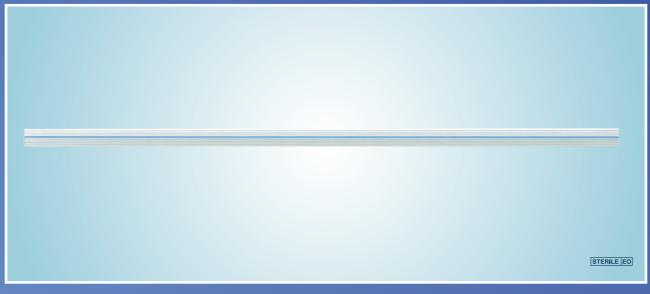
Width	Length	PU/SU	REF
8 mm	100 mm	25/25	21060



### SILICONE DRAINS Flat capillary drains

#### **Flat capillary drains**

Capillary drains are made of medical grade silicone and feature an inner ribbing. They are suitable for gentle wound drainage by means of capillary suction and gravity, particularly in indications where the application of a lowvacuum is contraindicated, but sufficient drainage performance is required.



#### **Product features:**

- Soft, medical grade silicone ensures good tissue compatibility
- With radiopaque stripe
- Available in 2 lengths (300 mm / 500 mm)
- Inner ribbing enables continuous secretion flow and avoids incrustrations
- The asymmetric ribbing structure ensures a high level of kink resistance.

Dia.	Flat width	Length	PU/SU	REF
6 mm	10 mm	300 mm	10/360	24450
8 mm	12 mm	300 mm	10/360	24451
10 mm	16 mm	300 mm	10/360	24452
12 mm	19 mm	300 mm	10/360	24453
Dia.	Flat width	Length	PU/SU	REF
6 mm	10 mm	500 mm	10/200	24454
8 mm	12 mm	500 mm	10/200	24455
10 mm	16 mm	500 mm	10/200	24456
12 mm	19 mm	500 mm	10/200	24457



Flat capillary drain

# ISKUSHEALTH IMPROVING PATIENT OUTCOMES

Manufacturer



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