pfinnedical Quality and Experience

Post-operative wound drainage > High-vacuum drainage > Low-vacuum drainage > Gravity drainage

The product portfolio for post-operative wound drainage from pfm medical ag offers a variety of systems for drainage by high-vacuum, low-vacuum and gravity for many clinical applications.

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OR-system / Ward-system

The **OR** system is a pre-evacuated reservoir with connecting tube for post-operative high-vacuum Redon wound drainage and is suitable for initial placement during surgery.

View



Details

- Plug connection or Luer-Lock connection
- Crystal-clear material for reliable qualitative assessment of secretions
- Rough and fine graduation for at-a-glance information about current fill levels

The **ward system** is a pre-evacuated reservoir for post-operative high-vacuum Redon wound drainage and is intended for replacement during patients treatment.

Benefits

High initial vacuum The Redon bottle has a high initial vacuum of max. 98,000 Pa.

Several system sizes

200 ml and 400 ml systems provide a 50 ml safety volume.

Redon connection tube

The tube with transparent universal Redon connector CH 06 - CH 18 for connection to the drain is pre-attached.

- Integrated vacuum indicator with qualitative min. / max. indication
- Quick-release fasteners included
- Double packed, sterile
- Latex-free
- Redon bottle DEHP-free

Technical Data

Bottle volume: 200 ml - 600 ml

Ordering Information

| OR system | | | |
|-----------|--------|------------|----|
| REF | Volume | Connection | PU |
| 20201 | 200 ml | Plug | 40 |
| 20204 | 200 ml | Luer-Lock | 40 |
| 20301 | 400 ml | Plug | 40 |
| 20304 | 400 ml | Luer-Lock | 40 |
| 20401 | 600 ml | Plug | 30 |
| 20404 | 600 ml | Luer-Lock | 30 |

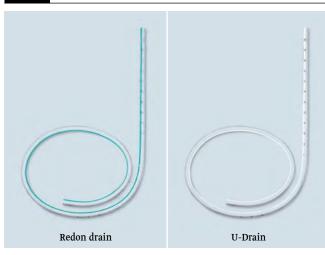
Ward system

| REF | Volume | Connection | PU |
|-------|--------|------------|----|
| 20200 | 200 ml | Plug | 50 |
| 20203 | 200 ml | Luer-Lock | 50 |
| 20300 | 400 ml | Plug | 40 |
| 20303 | 400 ml | Luer-Lock | 40 |
| 20400 | 600 ml | Plug | 30 |
| 20403 | 600 ml | Luer-Lock | 30 |

Redon drains / U-Drains

The cross-perforated **Redon drains** are suitable for use with high-vacuum wound drainage systems for post-operative wound drainage.

Views



The special cross-perforated **U-Drains** improve drainage performance by 1.5 to 2.5 times compared with conventional Redon drains. ^[1]

Benefits

Even suction with U-Drains

The gently rounded drainage holes with a linear increase in diameter towards the distal end ensure even suction across the entire length of the drain.

Easy to reposition

Details

Radiopaque

Latex-free

Double packed, sterile

Technical Data
Length: 50 cm / 75 cm

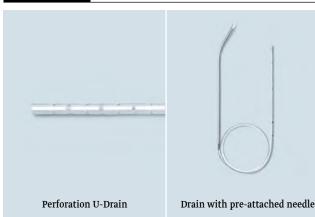
The triple ring marking makes repositioning easy.

Configuration with pre-attached needle

Made from medical PVC, DEHP-free
 Precision-manufactured drainage holes

The pre-attached needle, made from high-quality stainless steel always provides a perfectly sharp needle for optimal placement.

Detail Views



Ordering Information

Redon drains

| REF | Size | Perforation | Length | PU |
|-------|-------|-------------|--------|-----|
| 20027 | CH 06 | 15 cm | 50 cm | 100 |
| 20020 | CH 08 | 15 cm | 50 cm | 100 |
| 20026 | CH 09 | 15 cm | 50 cm | 100 |
| 20021 | CH 10 | 15 cm | 50 cm | 100 |
| 20022 | CH 12 | 15 cm | 50 cm | 100 |
| 20023 | CH 14 | 15 cm | 50 cm | 100 |
| 20024 | CH 16 | 15 cm | 50 cm | 100 |
| 20025 | CH 18 | 15 cm | 50 cm | 50 |
| | | | | |

^[1] Enneker C., Fleischmann E., Lange Th.: Klinische Anwendung und vergleichende Untersuchung der Ulmer Drainage und der herkömmlichen Gewebssaugdrainage nach Redon. Der Chirurg 50, 626-630 (1979)

Redon drains with pre-attached needle

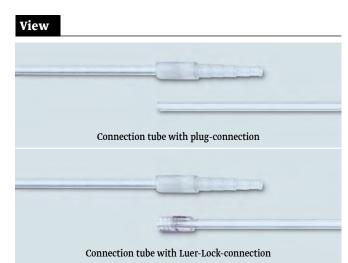
| REF | Size | Perforation | Length | PU |
|-------|-------|-------------|--------|----|
| 20067 | CH 08 | 15 cm | 75 cm | 10 |
| 20068 | CH 10 | 15 cm | 75 cm | 10 |
| 20087 | CH 12 | 15 cm | 75 cm | 10 |
| 20097 | CH 14 | 15 cm | 75 cm | 10 |

U-Drains

| REF | Size | Perforation | Length | PU |
|---------------|---------------------|-------------|--------|-----|
| 20122 | CH 08 | 6 cm | 50 cm | 100 |
| 20120 | CH 10 | 5 cm | 50 cm | 100 |
| 20123 | CH 10 | 8 cm | 50 cm | 100 |
| 20121 | CH 12 | 5 cm | 50 cm | 100 |
| 20124 | CH 12 | 10 cm | 50 cm | 50 |
| 20125 | CH 14 | 12 cm | 50 cm | 100 |
| 20126 | CH 16 | 12 cm | 50 cm | 100 |
| J-Drains with | pre-attached needle | | | |
| REF | Size | Perforation | Length | PU |
| 20128 | CH 10 | 8 cm | 50 cm | 10 |
| 20129 | CH 12 | 10 cm | 50 cm | 10 |
| 20131 | CH 14 | 12 cm | 50 cm | 10 |

Connection tube

The **connection tube** is used to connect Redon drains to the pre-evacuated reservoir.



Benefits

Various configuration

Separately available connection tubes allow an individual replacement if required.

Details

Double packed, sterile

Latex-free

Technical Data

• Length: 120 cm (20818: Universal Redon connector)

| REF | Version | PU |
|-------|---|-----|
| 20814 | Connection tube with plug connection and universal Redon connector CH 06 - CH 18 | 25 |
| 20824 | Connection tube with Luer-Lock connection and universal Redon connector CH 06 - CH 18 | 25 |
| 20818 | Universal Redon connector CH 06 - CH 18 (no tube) | 100 |

Redon-Mini Set

The manually compressible bellows of the **Redon-Mini Set** uses a low vacuum (approx. 10,000 Pa initially) for post-operative wound drainage. The Redon-Mini Set includes a drain and a pre-attached stainless steel needle.



Benefits

Quick qualitative assessment of secretion By using transparent material the drained fluid can be quickly assessed.

Safe drain connection

The plug or screw connection is used for quick and safe drain fitting.

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| | | | | • • |

- Initial low vacuum approx. 10,000 Pa
- Redon drain DEHP-free
- Seamless transition to needle
- Fully radiopaque
- Double packed, sterile
- Latex-free

Ordering Information

Technical Data

- Volume: 30 ml/150 ml
- Drain size: CH 06/CH 08
- Length: Redon drain: 30 cm, cross-perforation: 5 cm

| 0 | | | | |
|-------|------------|------------|--------|----|
| REF | Connection | Drain size | Volume | PU |
| 20604 | Screw | CH 06 | 30 ml | 20 |
| 20608 | Screw | CH 08 | 30 ml | 20 |
| 20651 | Plug | CH 06 | 150 ml | 10 |
| 20652 | Plug | CH 08 | 150 ml | 10 |
| 20653 | Screw | CH 08 | 150 ml | 10 |
| 20654 | Screw | CH 06 | 150 ml | 10 |
| 20611 | Screw | No Drain | 30 ml | 20 |
| 20657 | Screw | No Drain | 150 ml | 10 |
| 20650 | Plug | No Drain | 150 ml | 10 |

Low Vacuum System

The Low Vacuum System is a large capacity wound drainage system for manual evacuation in sensitive tissue using a constant low vacuum.



Benefits

Gentle application

The large capacity wound drainage system for manual evacuation using a constant low vacuum ensures gentle wound drainage in sensitive tissue (e.g. breast tissue).

Improved patient and user protection

Two one-way valves efficiently prevent backflow thus minimising the risk of retrograde wound infections.

Minimised risk of cross-contamination Cost-effective replacement bags with one-way valve minimise the risk of crosscontamination.

Pre-configured sets

The pre-configured set consists of bellow, connection tube, Y-connector, Redon drains and optionally a disposable guide needle.

Assembly with silicone drains also optionally available.

Details

- Large capacity 250 ml bellows to increase the time intervals between re-evacuations and to reduce the total number of re-evacuations required
- Pre-attached Y-connectors with closed distal ends allow the optional use of one or two Redon drains (CH 08 - CH 18) without the need for additional connectors, adaptors or clamps
- Hydrophobically coated filter on the drainage bag for hygienic pressure equalisation without the risk of contact with the secretion
- Safety cap at the bottom outlet of the bellows to prevent spillage of residual fluid
- User-friendly design
- Redon drains DEHP-free
- Latex-free

Technical Data

Length: Redon drain: 50 cm, perforation: 15 cm

Volume: Bellows: 250 ml, Drainage bag: 700 ml

| REFVersionSizePU207602 Redon drainsCH 1025207612 Redon drainsCH 1425207622 Redon drainsCH 1825207702 Redon drains, trocarCH 1025207712 Redon drains, trocarCH 1425 | | | | | |
|--|-------|------------------------|--------|----|--|
| 207612 Redon drainsCH 1425207622 Redon drainsCH 1825207702 Redon drains, trocarCH 1025207712 Redon drains, trocarCH 1425 | REF | Version | Size | PU | |
| 207622 Redon drainsCH 1825207702 Redon drains, trocarCH 1025207712 Redon drains, trocarCH 1425 | 20760 | 2 Redon drains | CH 10 | 25 | |
| 207702 Redon drains, trocarCH 1025207712 Redon drains, trocarCH 1425 | 20761 | 2 Redon drains | CH 14 | 25 | |
| 207712 Redon drains, trocarCH 1425 | 20762 | 2 Redon drains | CH 18 | 25 | |
| | 20770 | 2 Redon drains, trocar | CH 10 | 25 | |
| | 20771 | 2 Redon drains, trocar | CH 14 | 25 | |
| 20772 2 Redon drains, trocar CH 18 25 | 20772 | 2 Redon drains, trocar | CH 18 | 25 | |
| 20780Exchange bag700 ml25 | 20780 | Exchange bag | 700 ml | 25 | |

Soft-Drain Flat Active

The Soft-Drain Flat Active consists of a flat silicone drain and a low-vacuum reservoir for suction-assisted wound drainage.



Benefits

Active assistance of suction

The included reservoir creates a negative pressure and assists actively the suction of the drainage.

Outstanding safety

The inner ribbing of the flat drain prevents it from collapsing even at higher pressures or when a vacuum is applied.

Easy drain removal

The seamless soft coupling between the drain and tube enables the safe and gentle removal of inserted drains.

Technical Data

- **Full length:** 80 cm
- Drain length: 20 cm

Details

- Transparent 150 ml low-vacuum silicone reservoir with anti-reflux valve and universal hanger
- Graduation of the reservoir for at-a-glance information about current fill levels
- Perforated at full length with gently rounded atraumatic holes
- > Flat drain made from 100 % medical silicone
- Central opening
- Fully radiopaque drain tube
- Double packed, sterile
- Latex-free

Ordering Information

| REF | Height x width | Perforation | Volume reservoir | PU |
|-----------|----------------|--------------|------------------|----|
| 0615-0072 | 3 x 7 mm | 20 cm (full) | 150 ml | 10 |
| 0615-0102 | 4 x 10 mm | 20 cm (full) | 150 ml | 10 |

Soft-Drain Flat Reservoir

The Soft-Drain Flat Reservoir is a transparent low-vacuum silicone reservoir with an anti-reflux valve and a universal hanger.

View



Benefits

Graduation

The graduation provides an at-a-glance information about current fill levels of the reservoir.

Anti-reflux valve

The Anti-reflux-valve prohibits a backflow of collected wound fluid into the drainage.

Universal hanger

By use of the universal hanger the system can easily be attached at any bed position.

Details

- Reservoir made from 100 % silicone
- Sterile
- Latex-free

Technical Data

Volume: 100 ml - 400 ml

| Ordering Information | | | | |
|----------------------|--------|----|--|--|
| REF | Volume | PU | | |
| 2013-0610 | 100 ml | 10 | | |
| 2013-0615 | 150 ml | 10 | | |
| 2013-0620 | 200 ml | 5 | | |
| 2013-0640 | 400 ml | 5 | | |

Soft-Drain Flat

The **Soft-Drain Flat Single** is a flat silicone drain for open or half-open wound drainage by gravity.

View

Details

- Flat drain made from 100 % medical silicone
- Perforated at 3/4 length or full length with gently rounded atraumatic holes
- Central opening
- **Fully radiopaque drain tube**
- Double packed, sterile
- Latex-free

Ordering Information

Soft-Drain Flat Single

| The Soft-Drain Flat System consists of a flat silicone drain |
|--|
| and a collection bag. |

Benefits

Outstanding safety

The inner ribbing of the flat drain prevents it from collapsing even at higher pressures or when a vacuum is applied.

Easy drain removal

The seamless soft coupling between the drain and tube enables the safe and gentle removal of completely inserted drains.

System configuration

The pre-attached collection bag allows the usage as closed system instantly.

Technical Data

- Full length: 80 cm
- Drain length: 20 cm

| REF | Height x width | Perforation | Volume collection bag | PU |
|-----------|----------------|--------------|-----------------------|----|
| 2014-0071 | 3 x 7 mm | 15 cm (3/4) | - | 10 |
| 2014-0072 | 3 x 7 mm | 20 cm (full) | - | 10 |
| 2014-0101 | 4 x 10 mm | 15 cm (3/4) | - | 10 |
| 2014-0102 | 4 x 10 mm | 20 cm (full) | - | 10 |

Soft-Drain Flat System

| REF | Height x width | Perforation | Volume collection bag | PU |
|-------|----------------|--------------|-----------------------|----|
| 22580 | 3 x 7 mm | 20 cm (full) | 350 ml | 10 |
| 22581 | 4 x 10 mm | 20 cm (full) | 350 ml | 10 |

Soft-Drain

The **Soft-Drain Single** is a round silicone drain for open or half-open wound drainage by gravity.

View



Ordering Information

The **Soft-Drain System** consists of a round silicone drain and a collection bag with outlet.

Benefits

Gentle drainage

Five laterally offset atraumatic holes and a gently rounded central opening ensure gentle drainage.

System configuration

The pre-attached collection bag allows the usage as closed system instantly.

Details

- Round drain made from 100 % medical silicone
- Fully radiopaque
- Double packed, sterile
- Latex-free

Technical Data

- Drain length: 50 cm
- System configuration drain length: 100 cm
- Volume collection bag: 350 ml

| oracing | , information | | | | | | |
|-------------------|---------------|----|-------------------|-------|-------|-----------------------|----|
| Soft-Drain Single | | | Soft-Drain System | | | | |
| REF | Size | PU | | REF | Size | Volume collection bag | PU |
| 21930 | CH 09 | 20 | | - | - | - | - |
| 21931 | CH 12 | 20 | | 22120 | CH 12 | 350 ml | 10 |
| 21932 | CH 14 | 20 | | 22121 | CH 14 | 350 ml | 10 |
| 21933 | CH 16 | 20 | | 22122 | CH 16 | 350 ml | 10 |
| 21945 | CH 18 | 20 | | 22123 | CH 18 | 350 ml | 10 |
| 21934 | CH 20 | 15 | | 22124 | CH 20 | 350 ml | 10 |
| 21935 | CH 24 | 15 | | 22125 | CH 24 | 350 ml | 10 |
| 21936 | CH 26 | 15 | | 22126 | CH 26 | 350 ml | 10 |
| 21937 | CH 30 | 10 | | 22127 | CH 30 | 350 ml | 10 |
| 21938 | CH 33 | 10 | | 22128 | CH 33 | 350 ml | 10 |
| 21939 | CH 36 | 10 | | 22129 | CH 36 | 350 ml | 10 |

Koelner Drainage

The **Koelner Drainage** is a reservoir for post-operative wound drainage without suction. It allows the drainage of wound areas in which Redon drains are used without negative pressure.



Detail View



Benefits

Hygienic 3 µm-outlet filter

When used as a gravity drainage the 3 μm -outlet filter allows easy escape of excess air in the reservoir.

OR-Version with universal Redon connector

The tube with transparent universal Redon connector CH 06 - CH 18 for connection to the drain is pre-attached.

Details

- Luer-Lock connection
- Crystal-clear material for reliable qualitative assessment of secretions
- Rough and fine graduation for at-a-glance information about current fill levels
- Quick-release fasteners included
- Double packed, sterile
- Latex-free
- Redon bottle DEHP-free

Technical Data

Bottle volume: 400 ml

| REF | Version | Connection | PU |
|-------|---------|------------|----|
| 20384 | Ward | Luer-Lock | 40 |
| 20385 | OR | Luer-Lock | 40 |

Dispo-Flow

The **Dispo-Flow** is a capillary drain made from silicone with inner ribbing for gentle wound drainage by means of capillary suction and gravity.



Benefits

Gentle drainage

The Dispo-Flow is suitable for wound drainage in indications when the application of a low-vacuum is contraindicated but sufficient drainage performance is required.

Details

- Capillary drain made from 100 % medical silicone
- Central opening
- Fully radiopaque
- Double packed, sterile
- Latex-free
- DEHP-free

Technical Data

- Width: 8 mm 12 mm
- Length: 30 cm / 50 cm

| REF | Width | Length | PU |
|-------|-------|--------|----|
| 22533 | 8 mm | 30 cm | 25 |
| 22535 | 8 mm | 50 cm | 25 |
| 22553 | 10 mm | 30 cm | 25 |
| 22555 | 10 mm | 50 cm | 25 |
| 22573 | 12 mm | 30 cm | 25 |
| 22575 | 12 mm | 50 cm | 25 |

Endo-Drain

The **Endo-Drain** is a fluted silicone drain for gravity application or for usage with low-vacuum-suction systems. The Endo-Drain Set contains a pre-attached needle and a J-Connector



Benefits

Excellent placement

The high-quality stainless steel of the pre-attached disposable needle ensures an always perfectly sharp needle for optimal placement.

Easy removal

The design of the drainage channels makes the removal of the drain easy because of the low incidence of tissue growth.

Kink resistant

The structure of the drainage material ensures a high level of kink resistance.

Easy inspection

The transparent connection tube allows an easy visual inspection of the tube.

Very good biocompatibility

The fluted drainage tube is made from 100 % medical silicone for very good biocompatibility.

Including J-Connector

The accompanying J-Connector allows a connection to a reservoir with internal spring.

Details

- Fully radiopaque
- Double packed, sterile
- Latex-free
- Drainage can be shortened

Ordering Information

Drainchannel length: 30 cm

Technical Data

Drain length: 120 cm

| REF | Size | Needle/Connector | PU | |
|------------|-------|------------------|----|--|
| 2015-9710J | 10 FR | Yes | 10 | |
| 2015-9715J | 15 FR | Yes | 10 | |
| 2015-9719J | 19 FR | Yes | 10 | |
| 2015-9721J | 21 FR | Yes | 10 | |

Biliary drainage bag

The biliary drainage bag is a collection bag for secretions from the drainage of post-operative wounds using gravity drainage.



Benefits

Simple control of fill level

The graduation of the bag provides an at-a-glance information about current fill levels.

Various configurations

Multiple versions offer a wide range of connection options as needed.

Detail View



Details

- Made from medical PVC, DEHP-free
- With outlet depending on configuration

Technical Data

- **Volume:** 500 ml 2000 ml
- **Tubing length:** 800 mm

| REF | Picture | Version | Bag | Volume | PU |
|-------|---------|---|---------------|---------|----|
| 24008 | 1 | Luer-Lock, male | No outlet | 1500 ml | 25 |
| 24017 | 2 | Luer, male / connector for T-Drain | No outlet | 1500 ml | 25 |
| 24016 | 3 | Luer-Lock, male / tubing adapter Luer, male / connector for T-Drain | No outlet | 1500 ml | 25 |
| 24022 | 3 | Luer-Lock, male / tubing adapter Luer, male / connector for T-Drain | Bottom outlet | 2000 ml | 25 |
| 24028 | 4 | 3-way-stopcock (Luer-Lock, male/female) | Bottom outlet | 500 ml | 10 |

For your notes

Contact

Should you have any questions our Customer Solutions Team is happy to advise you.

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