KepUniprotect
TECHNICAL SPECIFICATIONS

PROTECTOR

Membrane	**Hydrophobic PTFE**
Pore size	**0.2 µm**
Filtration area	**3.6 cm²**
Housing	**PVC, ultrasonically welded**
Dimensions	**21.5 mm long × 27.4 mm wide**
Connections	**Female Luer lock inlet; male Luer slip outlet**

PERFORMANCE

Pressure resistance	**3.2 bar**
Water breakthrough	**1 bar for 1 minute**
Air flow	**> 55 mL/min**

SUPPLY

Sterility	**Supplied sterile**
Use	**Single use only**
Packaging	**Pouch; 200 pieces per box**

KepUniprotect
ORDERING INFORMATION

Model	Membrane	Connection	Packaging
Standard	Hydrophobic, 0.2 µm	Female Luer lock inlet / male Luer outlet	200 pieces per bo
Standard	Hydrophobic, 0.2 µm	Female Luer lock inlet / male Luer outlet	200 pieces per bo

2 configurations · Quote the ordering code when placing an order.

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KEPLER MEDICAL DEVICES PVT. LTD.
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Kepler Medical Devices Private Limited
Supplied sterile, for single use only. Read the Instructions for Use supplied with the device before use for indications, contraindications, warnings and precautions. Specifications are subject to change without notice.

KMD/CAT/KEPUNIPROT/R00 · November 2026

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DIALYSIS & RENAL CARE

KepUniprotect

Hemodialysis transducer protector



Dependable Access.
Better Renal Care.

DIALYSIS & RENAL CARE · DIALYSIS ACCESSORIES

KepUniprotect

KepUniprotect is a transducer protector for haemodialysis blood lines. It sits between the blood line and the pressure sensor of the dialysis machine.

A hydrophobic membrane lets air pass so the pressure can be measured, and it stops blood and fluid from reaching the machine. This forms a barrier against bacteria and protects patients and equipment from cross-contamination.

Key features

Hydrophobic membrane
Passes air and blocks blood and fluids.

0.2 µm pore size
Effective barrier against bacteria.

Ultrasonically welded
Secure, leak-free housing.

Resists pressure pulsing
Housing withstands dialysis line pressures.

Luer connections
Female Luer lock inlet and male Luer outlet.

Individually packed
Sterile pouch; 200 pieces per box.

Design & technology

Device design

A membrane disc is sealed inside a clear two-part housing with Luer connectors.

- Clear housing
- Luer inlet and outlet

Membrane

The PTFE membrane is hydrophobic and gas permeable.

- Hydrophobic PTFE
- Pore size 0.2 µm
- Filtration area 3.6 cm^2

Performance

The protector keeps pressure readings accurate while holding back fluid.

- Pressure resistance 3.2 bar
- Water breakthrough 1 bar for 1 minute
- Air flow above 55 mL/min

Manufacture

Automated assembly and testing give consistent quality.

- Ultrasonic welding
- Automated assembly and testing

Product highlights

- Membrane: Hydrophobic PTFE
- Pore size: 0.2 µm
- Filtration area: 3.6 cm^2
- Housing: PVC, ultrasonically welded
- Dimensions: 21.5 mm long × 27.4 mm wide
- Connections: Female Luer lock inlet; male Luer slip outlet
- Pressure resistance: 3.2 bar

Intended use

KepUniprotect is intended to protect the pressure transducer of a haemodialysis machine from contamination by blood.



KepUniprotect™ — view 2



KepUniprotect™ — view 3