

User Guide

Dualex™-Ultra Transducer Protector

REF SLGVS25US

- 25 mm
- Sterile
- Single use
- Non-Pyrogenic
- For research use only
- 50 pack

Introduction

This insert describes how to use the Dualex™-Ultra Transducer Protectors. Each transducer protector consists of a 0.22 µm hydrophobic Durapel™ polyvinylidene fluoride (PVDF) filter sealed in a polyvinyl chloride (PVC) housing. It is non-pyrogenic and non-toxic. It prevents fluids from damaging sensitive transducer monitoring devices. Dualex™-Ultra devices are equipped with Luer-Lok® connectors, making them ideal for use in high-flux systems.

Directions for Use

WARNINGS

- To ensure sterility, do not use this product if the package is damaged.
- Do not use this product as an in-line filter. This product was not designed for long-term continuous use when using as an in-line filter protective device for pressure monitoring systems.
- Do not use with monitoring systems greater than 1.7 bar (25 psi) or syringes smaller than 10 mL because pressures in excess of the maximum pressure rating may be reached, potentially causing damage to the filter unit and/or personal injury.
- Sudden loss of pressure could indicate failure of the filter.
- Use aseptic technique to maintain sterility removing product from primary package.

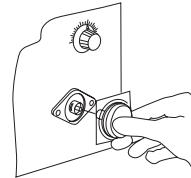
CAUTIONS

- Filter gaseous solutions with a temperature limit 45 °C (113 °F).
- Intended for short term use. Change within 24 hours.

- Single use only; do not re-use or resterilize.
- This product is not suitable for filtration of aqueous solutions.
- Discard appropriately after single use. See "Disposal" on next page.

Procedure

1. Remove the cover from the primary package of the Dualex™-Ultra Transducer Protector using aseptic techniques.
2. Insert female Luer-Lok® inlet of the transducer protector to the male Luer connection on the system and remove the rest of the package from the assembly.
3. Attach the monitoring line to the male Luer-Lok® connection on the transducer protector using aseptic techniques.
4. Perform single-use test using standard procedures. If liquids enter the unit and fill the housing, the Dualex™-Ultra Transducer Protector blocks the passage of air. See "Troubleshooting" section.
5. Remove the transducer protector after each test and dispose according to local guidelines. See "Disposal" section.



TROUBLESHOOTING

If liquids fill the housing, clamp off the monitoring line and remove the transducer protector from the machine. Release the level of feed line fluid, if necessary. Then attach a new Dualex™-Ultra Transducer Protector to the machine, and release the clamp.

Specifications

Materials

Membrane	Hydrophobic Durapel™ polyvinylidene fluoride (PVDF), Type GV
Pore size	0.22 µm
Housing	Polyvinyl chloride (PVC)

Dimensions

Inlet to outlet	23 mm (0.91 in.)
Diameter	29 mm (1.14 in.)
Filtration area	4 cm ² (0.62 in ²)

Temperature limit	45 °C (113 °F)
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Pressure limit at 21 °C	1.7 bar (25 psi) inlet and differential
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Sterilization method	Ethylene oxide gas
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Connections	Female Luer-Lok® inlet Male Luer-Lok® outlet
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Symbol Definitions

Symbol	Definition	Symbol	Definition
	Non-pyrogenic		Use-by date
	Do not re-use		Date of manufacture
	Catalogue number		Manufacturer
	Batch code		Do not use if package is damaged
	Temperature limit		Sterilized using ethylene oxide

Disposal

Follow precautions for disposal of items contaminated with potentially infectious or hazardous biological material according to all applicable international, federal, state, and local regulations.

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