



# Vial Adaptor

With Toxi-Guard® technology

## TECHNICAL DATASHEET

The Chemfort™ Vial Adaptor family is PVC-free and offers 4 sizes that firmly connect onto any standard vials, that have a cap dimension of 13 & 20 mm (ref. MG245248), 28 mm (ref. MG245266) or 32 mm (ref. MG245269).

Equipped with the Toxi-Guard® technology, an immediate pressure equilibration is ensured, reducing the extra step of pre-priming.

The Toxi-Guard® system contains a 100% activated carbon drug binding matrix (charcoal) and a 0.2 micron hydrophobic and oleophobic membrane. The membrane prevents airborne contaminants and particles from entering the drug or fluid path. The active carbon prevents the escape of cytotoxic and other hazardous drug vapors, aerosols and droplets into the environment during drug reconstitution.

Once connected to the Chemfort™ Syringe Adaptor/Syringe Adaptor Lock, a safe drug transfer is made possible from the vial to another container (e.g. a semi-rigid bottle, an infusion bag, an elastomeric pump or a medication cassette reservoir for an ambulatory infusion pump).

The intuitive design makes it easy to use: with minimal effort both Chemfort™ components can be connected and a "click" sound will indicate a safe connection. A pinch on the SA/SAL wings will disconnect the two components. The self-sealing elastomers prevent drug leakage and droplet formation on the outer septa surfaces. Also, in case of multiple-use vials, a protective cap can be used for safe storage of the vial.

The Chemfort™ portfolio has no known incompatibilities with hazardous drug solvents.

### Indications for Use:

Chemfort™ is a Closed System Transfer Device (CSTD) that mechanically prohibits the release of drugs, including antineoplastic and hazardous drugs, in vapor, aerosol, or liquid form during preparation, reconstitution, compounding and administration, minimizing exposure of individuals, healthcare personnel and the environment to hazardous drugs.

Chemfort™ prevents the introduction of microbial and airborne contaminants into the drug or fluid path for up to 7 days.

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#### Order Information

	Vial Adaptor 20 mm with 13 mm Converter	Vial Adaptor 28 mm	Vial Adaptor 32 mm
Article number / Reference	MG245248	MG245266	MG245269
User box quantity	50 pcs	20 pcs	25 pcs
Transport box quantity	200 pcs	80 pcs	100 pcs

#### Product Characteristics

Product technical data			
Cap dimension of fitting vial	13 & 20 mm	28 mm	32 mm
External fitting	Tight circular grip around the neck of the vial	Tight circular grip around the neck of the vial	Tight circular grip around the neck of the vial
Spike type	2-way spike with separate air and fluid path	2-way spike with separate air and fluid path	2-way spike with separate air and fluid path
Protective cap	Yes (white)	Yes (white)	Yes (blue)
Fluid path volume	0.15 ml	0.15 ml	0.15 ml
Membrane pore size	0.2 micron	0.2 micron	0.2 micron
Septum piercings	Up to ten times	Up to ten times	Up to ten times
Shelf life	3 years	3 years	3 years
Sterilization	Ethylene Oxide	Ethylene Oxide	Ethylene Oxide

Tolerates disinfection with alcohol 70% and chlorhexidine in alcohol (5 mg/70% alcohol)

#### Material Specifications

Component	Material	Material	Material
Spike	Polypropylene	Polypropylene	Polypropylene
Injection point cover	Polyethylene	Polyethylene	Polyethylene
Elastomeric sealing	Polyisoprene	Polyisoprene	Polyisoprene
13 mm convertor	PET		
Protective cap	Polypropylene	Polypropylene	Polypropylene
0.2 micron membrane	Acrylic co-polymer	Acrylic co-polymer	Acrylic co-polymer
Charcoal filter	Charcoal Zorflex®	Charcoal Zorflex®	Charcoal Zorflex®
Filter base	Polypropylene	Polypropylene	Polypropylene
Filter cover	PET	PET	PET

Free of PVC, DEHP and Latex. Non-Pyrogenic. Free from lead, cadmium, arsenic and chrome. Meets standards and regulations with regards to the environment

#### Regulation

CE 0483
FDA 510(k) Cleared under ONB product code
Disposal of components should be according to local regulations and procedures for handling of hazardous drugs

Symbols taken from ISO 15223-1:2016



Sterilized using ethylene oxide



Non-pyrogenic



Do not re-sterilize



Do not re-use



Do not use if package is damaged



Keep dry



Keep away from sunlight



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