

ProSeal™

NIOSH Compliant  
FDA **ONB** code cleared  
Microbial ingress of at least 168 hours  
after 10 activations  
100% efficiency in achieving a dry  
disconnect on the transfer surfaces.  
Hazardous Drug Compatibility.

SAFE

COST EFFECTIVE

EASE of USE

# ProSeal™



*ProSeal™ CSTDs meet the NIOSH requirements for a closed system transfer device.*

*"A drug transfer device that mechanically prohibits the transfer of environmental contaminants into the system and the escape of hazardous drugs or vapour concentrations outside the system"*

*Example*

*ProSeal™ Vial Adaptors / ToxiSeals are equipped with an external balloon, in addition to a 0.1 micron sterile filter and activated carbon filters*

## SAFE

## COST EFFECTIVE

*In addition to providing safety, the design adopted in ProSeal™ CSTDs allows efficient manufacturability that resulted in price competitiveness. Our mission is to make closed system medication transfers accessible to all, pharmacists, nurses and patients will benefit from our innovative devices.*

*Example: The ProSeal Injector 421010 fits any standard luer lock syringe, reduces costs and enhances convenience when compared to dedicated syringes with injectors.*

## EASE of USE

*Connecting ProSeal™ devices involve a simple and quick Push/Pull action, unlike the typical rotating action in securing a luer connection.*

*The components are designed to be intuitively easy to use and compatible with each other.*



## Vial Adaptors

*ProSeal Vial Adaptors (ToxiSeal) are available in several designs to meet the different vial stoppers presented by drug manufacturers. For use in concave vial stoppers, ToxiSeals with concave spikes have fluid channel dimensions that ensure they are fully encapsulated within the vial after perforation.*

*ToxiSeals are also available with or without external balloons. In both, a sterile 0.1 micron filter and activated carbon filter are built in features. Together with an integrated one-way valve, pressure equalization is automatically attained without the need to introduce air into the vial prior to withdrawing its contents.*

### Vial Adaptors without external Balloon



- 423120 Non DMA 13 mm vial neck size
- 423130 Non DMA 20 mm vial neck size
- 423140 Non DMA 28 mm vial neck size

- 420330 DMA 13 mm vial neck size
- 420340 DMA 20 mm vial neck size
- 420350 DMA 28 mm vial neck size

Claws/skirt colors  
for non Concave vial adaptors



Claws/skirt colors  
for Concave vial adaptors



- 420420 DMA 13 mm vial neck size
- 420430 DMA 20 mm vial neck size
- 420440 DMA 28 mm vial neck size



### Vial Adaptors with external Balloon

All models with external balloons have equalization pressure equivalent to 80mL balloon size



- 420200 Non DMA 13 mm vial neck size
- 420210 Non DMA 20 mm vial neck size
- 420220 Non DMA 28 mm vial neck size

- 420300 DMA 13 mm vial neck size
- 420310 DMA 20 mm vial neck size
- 420320 DMA 28 mm vial neck size

Claws/skirt colors  
for non Concave vial adaptors



- 420400 DMA 13 mm vial neck size
- 420410 DMA 20 mm vial neck size
- 420450 DMA 28 mm vial neck size

Claws/skirt colors  
for Concave vial adaptors



inner box

20	

outer box  
80

STERILE

EO

# ProSeal™



## Syringe Injectors

*ProSeal Injectors offers 100% dry disconnect after fluid transfers. The residual volume of these injectors is only 0.02 ml and the fluid path materials are DMA compatible.*

*The syringe injectors require only easy and quick push-pull actions in connecting to other Proseal components- giving huge time savings in high workload situations. It is versatile and could be affixed to standard syringes , offering cost savings and also flexibility in keeping inventory of devices.*

*There are 2 variants of syringe injectors - one could be detached from the syringe nozzle Ref 421010 and another Ref 421050 for applications requiring the injectors to be permanently affixed, like transporting filled syringes.*



*Ref 421010*



*Ref 421050*



*ProSeal Injectors fit any standard syringe of any size !  
Lowers Cost of Inventory. Increases flexibility.*

inner box 50  
outer box 200

STERILE EO

# ProSeal™



## Administration Sets (secondary infusion)

*ProSeal Closed System Administration sets brings safety in patient wards to the next level. The distal connectors are Proseal injectors - giving drip free disconnections with the Y sites on the primary line. The spike ends are available in standard bag spikes or Proseal injectors integrated with a drip chamber.*



*REF 423430  
ProSeal Secondary Set with Drip Chamber  
20 drops/ml*



*REF 423430  
ProSeal CS Secondary Set with Drip Chamber  
20 drops/ml*

inner box

50

outer box

200

STERILE

EO

# ProSeal™

## Bag Spikes & In Line Pump Sets



*Several antineoplastic agents contain a solvent DMA ( N,N-Dimethylacetamide) that is incompatible with polycarbonate plastics in its undiluted form. For example Busulfan requires a dilution before use with devices made with such plastics. Polycarbonate is commonly used in IV administration devices including some closed system transfer devices(CSTDs). With the appropriate models of bag spikes and In Line Pump sets , pharmacist and nurses are assured of easier and safer work processes.*



*ProSeal Non Vented Spike  
Ref 423240*



*ProSeal Spike with Additive Port and Twist Off*



*ProSeal Spike with Additive Port and Twist Off. DMA compatible*



*ProSeal Non Vented Spike  
DMA compatible  
Ref 423840*



*ProSeal Vented Spike*



*ProSeal InLine Pump Set.  
DMA compatible.*

inner box

50

outer box

200

STERILE

EO



## Add Mixture Devices (ADRx)

*ADRx Devices facilitate the transfer of medication, both lyophilised agents as well as fluids from vials to flexible bags without the need for syringes and needles.*

*Squeezing the flexible bag with the connected vial in an upside down position pushes air into the vial, increasing its pressure.*

*Releasing the pressure exerted on the bag transfers the vial's contents into the final container.*



428110 Vial Neck 13 mm  
428120 Vial Neck 20 mm

*ADRx Single Dose*



*ADRx Multi Dose  
The contents from multiple vials could be transferred into one bag.*

428210 Vial Neck 13 mm  
428220 Vial Neck 20 mm



*ADRx UniQ Dose  
Connects to bags with  
Luer ports/Valves*

428310 Vial Neck 13 mm  
428320 Vial Neck 20 mm

inner box 20 outer box 80

STERILE EO





## Other Accessories

*Proseal range of closed system devices offer easy-to-use and effective solutions to current clinical practices. The unique characteristic of these solutions is the microbial ingress prevention of the connecting and mating surfaces in the transfer of medicinal fluids.*



*ProSeal Syringe to Syringe  
Transfer Adaptor  
Ref 423830*



*ProSeal Chemo Safe Syringe Adaptor  
Ref 421070*



*ProSeal Catheter Adaptor (for Foley Catheters)  
Ref 422090*



*Chemo Click Injector MRI safe  
(no metal parts)  
Ref 421040*



*Chemo Click Injection Siter MRI safe  
(no metal parts)  
Ref 422050*



*In Line Pump Set with Chemo Click Injector  
Ref 423660*



*Sub Cut Safety Set  
(syringe and needle not provided)  
Ref 422130*



*Bag Spike with Chemo Click Additive Port  
Ref 423610*

inner box

50

outer box

200

STERILE

EO