

# Protective Admixture Tools

The needle-free assortment –  
Everything to make your admixture procedures safer and more convenient



Drug Admixture & Delivery

**B | BRAUN**  
SHARING EXPERTISE

# A bundle of solutions for your key admixture procedures



Microbiological Contamination!



Chemical Contamination!



Particle Contamination!

**Do you really believe that steel needles are still the best solution for your daily work?**

The challenge a modern ward or pharmacy faces is age old: Numerous drugs have to be admixed quickly, all at the same time. The patients need their medicines, treatment regimens have to start.

In this labor-intensive and stressful healthcare environment, the last thing anybody needs are products that require inconvenient or unsafe procedures. Not only is the risk of harming patients very worrying, but also the danger of needlesticks and contamination.

Don't distress!

Let B. Braun help with a needle-free assortment to make admixture procedures safer and more convenient.



Maximize safety and convenience in your daily routine



## Transfer devices

Devices for the transfer of sterile non-toxic fluids



## Micro pins & filter straws

Withdrawing fluids or non-toxic drugs



## Dispensing pins

Needle-free access to vials and fluid containers



## Admixture accessories

# Transfer devices



## FDC 1000

Fluid dispensing connector for filling unit-dose syringes from a large master syringe.

- Provides a secure connection of two syringes. Luer-lock connections on both sides.
- Easy-to-use and minimizes contamination. Large grip-plates.

- Easy air elimination from unit-dose syringe. Air is always located in the upper end of the master syringe.

Code No. (REF)	415080
Sales unit/Pcs.	100



## Transofix

Transfer spike for large containers. Fits into rubber stoppers 6.3 mm and bag set ports.

- Allows excellent flow even with non-evacuated glass vials. Large internal diameter.

- Easy-to-use. Large grip flanges.

Code No. (REF)	4090500
Sales unit/Pcs.	200





### Ecoflac® Mix

Transfer cap for transferring fluids between an Ecoflac® plus container and vials (cap diameter: 20 mm).

- Provides a stable connection between both containers. Specially designed to fit Ecoflac® plus and standard vials.

- Convenient handling helps to improve aseptic technique. Shrouded spike.

Code No. (REF)	16401
Sales unit/Pcs.	250

### Ecoflac® Connect

Transfer cap for transferring fluids between an Ecoflac® plus container and vials in a closed system (cap diameter: 20 mm).

- Same benefits as Ecoflac® Mix and more:
- Protection for staff and patients through the closed system.

- Reduced medication error since vial remains attached during infusion.
- Easy handling and ergonomic design save time and reduce complexity

Code No. (REF)	4090550
Sales unit/Pcs.	50



# Micro pins & filter straws



## MP 1000

Non vented micro pin for fluid withdrawal or injection and piercing (vial stoppers and bag injection ports).

- Intuitive handling according to standard technique. Simple design.
- Prevents needlestick injuries. Made of plastic.
- Allows high fluid-flow rate. Large internal lumen.

Code No. (REF)	415019
Sales unit/Pcs.	100

## Sterifix® filter straw 5 µm, 4.5 cm

Short filter straw for withdrawal and filtration of fluids from small ampoules.

- Reduces risk of glass particle injection with glass ampoules. 5 µm filter hub attached.
- Prevents needlestick injuries. Blunt plastic straw.
- Very suitable for aspiration. Flexible straw can be angled.

Code No. (REF)	4550250
Sales unit/Pcs.	200





**Sterifix® filter straw**  
**5 µm, 10 cm**

Long filter straw for withdrawal and filtration of fluids from large ampoules.  
 Same as Sterifix filter straw 5 µm, 4.5 cm, but with 10 cm straw.

Code No. (REF)	4550200
Sales unit/Pcs.	200



# Dispensing pins



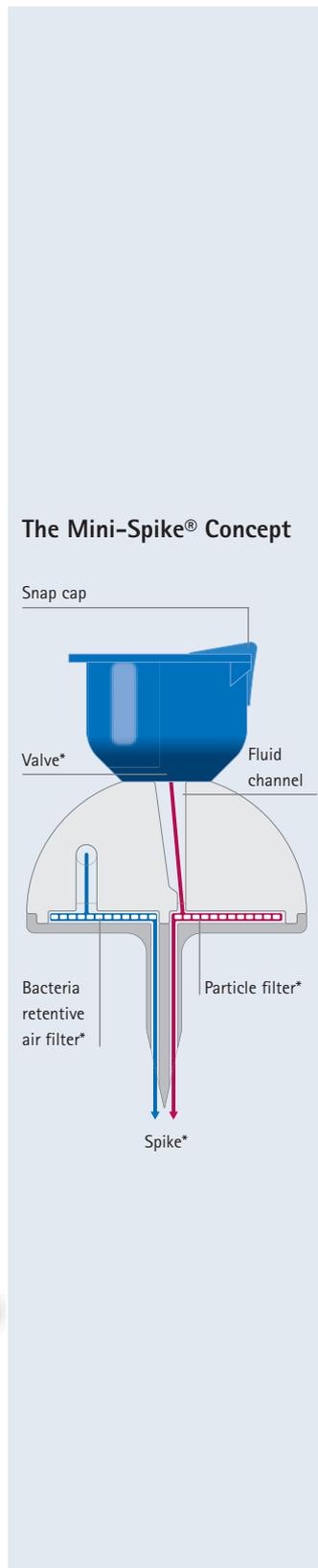
High-flow two-way valve

## DP 3500 L

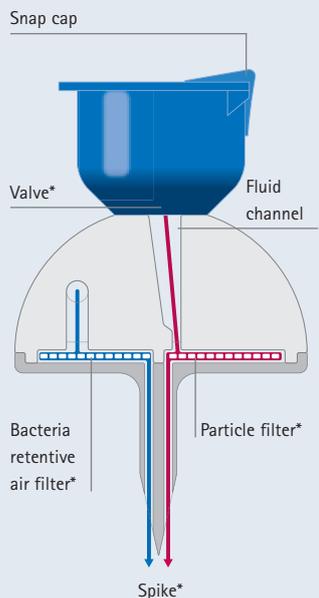
Convenient non-vented dispensing pin with two-way valve and Safsite® valve for injecting or withdrawing fluids from bags or semi-rigid containers.

- Rapid fluid transfer and high-flow rates. Large lumen and high-flow valve design.
- Keeps working environment clean especially with hanging containers. Self-sealing valve system.

Code No. (REF)	413501
Sales unit/Pcs.	50



## The Mini-Spike® Concept



\*depends on product type



Integrated air filter

## Mini-Spike®

Vented dispensing pin for injecting and withdrawing fluids from vials or semi-rigid containers. 0.45 µm bacteria retentive air filter.

- Reduces contamination of drug from room-air. Features 0.45 µm bacteria retentive air filter.
- Simplifies working procedure. Integrated air-venting channel makes over-pressure release techniques unnecessary.

- Minimizes risk of touch-contamination of spike and Luer-connector. Award-winning design with large flanges, large grip-plate and shrouded Luer-connector.
- Improved working environment hygiene. Integrated flip cap prevents cap loss and leakage.

Code No. (REF)	4550242
Sales unit/Pcs.	50





### Mini-Spike® Filter

Vented dispensing pin for filtered injection or filtered withdrawal of fluid from vials or semi-rigid containers. With 0.45 µm air-filter and 5 µm fluid filter.

- Same benefits as Mini-Spike® (green), and more:
- Reduced particle contamination of the fluid.
- Integrated 5 µm fluid filter.

Code No. (REF)	4550234
Sales unit/Pcs.	50

### Mini-Spike® Filter V

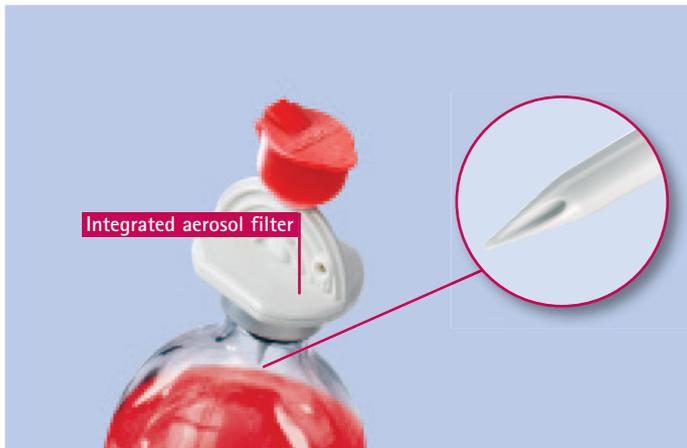
Vented dispensing pin for filtered injection or filtered withdrawal of fluid from vials or semi-rigid containers. With 0.45 µm air-filter, 5 µm fluid filter and integrated valve.

- Same benefits as Mini-Spike® Filter (blue), and more:
- Free-flow protection for inverted containers.
- Integrated two-way valve.

Code No. (REF)	4550579
Sales unit/Pcs.	50



# Dispensing pins



## Mini-Spike® Chemo

Vented chemo dispensing pin for filtered injection or filtered withdrawal of cytostatic drugs from vials or semi-rigid containers. Supplied with 0.2 µm air filter, and 5 µm fluid filter.

- Same benefits as Mini-Spike® (green), and more:
- Reduced risk of contamination with toxic aerosols. Integrated 0.2 µm aerosol-retentive air filter.

Code No. (REF)	4550340
Sales unit/Pcs.	50

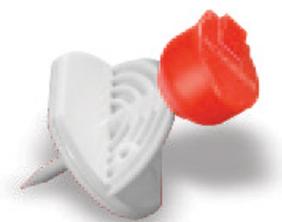
## Mini-Spike® Chemo Micro-Tip

Vented chemo dispensing pin for injection or withdrawal of cytostatic drugs from small volume vials or rubber stoppers. Supplied with 0.2 µm air filter.

- Prevents small rubber stoppers from being pushed into the vial. Micro-tip with a very small diameter.
- No inbuilt fluid filter helps reduce dead volume

- Same benefits as Mini-spike® Chemo (red), and more:
- Less waste of low-dose high-cost drugs. Micro-tip with short length and removed fluid filter for minimized drug retention volume.

Code No. (REF)	4550536
Sales unit/Pcs.	50





### Mini-Spike® Chemo V

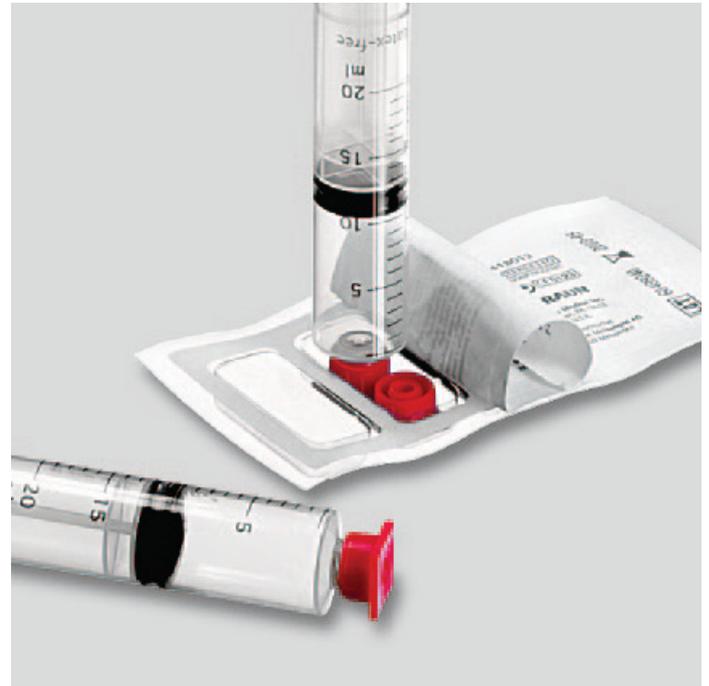
Vented chemo dispensing pin for filtered injection or filtered withdrawal of cytostatic drugs from vials or semi-rigid containers. Supplied with 0.2 µm air filter, 5 µm fluid filter and integrated valve.

Code No. (REF)	4550587
Sales unit/Pcs.	50

- Same benefits as Mini-Spike® Chemo (red), and more:
- Free-flow protection from inverted containers. Integrated two way valve.



# Admixture accessories



## Combi Stopper red

Combi-stopper (red) for sealing male or female Luer-Lock and Luer-Slip connections.

- Universally seals all connections. Unique multi-functional design combines male, female, Luer-Lock, as well as Luer-Slip adaptability.

Code No. (REF)	4495101
Sales unit/Pcs.	1000

## SC 2000

Multi-ad Luer-Lock syringe cap (red).

- Onehand cap attachment. Blister pack stabilizes the cap on working surface.

Code No. (REF)	418012
Sales unit/Pcs.	50 x 10





### TEC 1000

Tamper-evident syringe cap allows user to determine if Luer-Lock syringe has been manipulated.

- Especially important when working with cytostatic drugs, or controlled substances. Two-piece design breaks away upon manipulation.

- Less cost when guideline allows no used drugs to be returned to the pharmacy. Visual inspection confirms that the products have not been used.
- Onehand cap attachment. Unique blister pack stabilizes cap on working surface.

Code No. (REF)	418004
Sales unit/Pcs.	50 x 10

### Omnifix® and Injekt® syringes

Syringes in different sizes, with 2- or 3-piece, Luer-Lock or Luer-Slip.

- High barrel transparency – simplifies inspection of the syringe's content.
- Excellent plunger slide characteristics allow for an exact dosing of fluid.
- Optimal plunger gasket and barrel geometry minimize residual volume and ensure leak-tightness.
- No unintentional withdrawal of syringe plunger possible due to safe back-flow stop.



# Admixture accessories



## Ecopin

An original tamper-proof seal for the injection port after drug admixture.

- Prevents further manipulation. Dedicated design.

Code No. (REF)	4125002
Sales unit/Pcs.	1000

## Ecoflac® plus

Semi-rigid PE container for IV-solutions.

- Compatible with all major drugs. Free of PVC, DEHP and latex.
- Collapses unvented (closed system).
- Less admixture steps required. Each bacteria-free port is sealed separately. No intermediate disinfection steps.
- Safer and more convenient to handle than flexible bags. Advanced, stand-up container.



### Admixture volumes





### ConComp Database

ConComp, a unique information source. For all your compatibility questions on drugs, container material and IV-solutions.

[www.concomp-partner.com](http://www.concomp-partner.com)



### Detailed information for healthcare professionals

Risk Prevention in Infusion Therapy can be found in the folders „Drug Incompatibility“, „Chemical Contamination“ and „Particulate Contamination“.



Product group		Code No. (REF)	Sales unit/Pcs.
Transfer devices	FDC 1000 (fluid dispensing connector)	415080	100
	Transofix (transfer spike)	4090500	200
	Ecoflac® Mix (transfer cap)	16401	250
	Ecoflac® Connect	4090550	50
Micro pins & filter straws	MP 1000 (micro pin)	415019	100
	Sterifix® filter straw, 4.5 cm	4550250	200
	Sterifix® filter straw, 10 cm	4550200	200
Dispensing pins	Mini-Spike®	4550242	50
	DP 3500 L (two-way high-flow dispensing pin)	413501	50
	Mini-Spike® Filter	4550234	50
	Mini-Spike® Filter V	4550579	50
	Mini-Spike® Chemo	4550340	50
	Mini-Spike® Chemo Micro-Tip	4550536	50
	Mini-Spike® Chemo V	4550587	50
Admixture accessories	Combi Stopper red	4495101	1000
	SC 2000 (syringe-cap)	418012	50 x 10
	TEC 1000 (tamper-evident cap)	418004	50 x 10
	Ecopin	4125002	1000