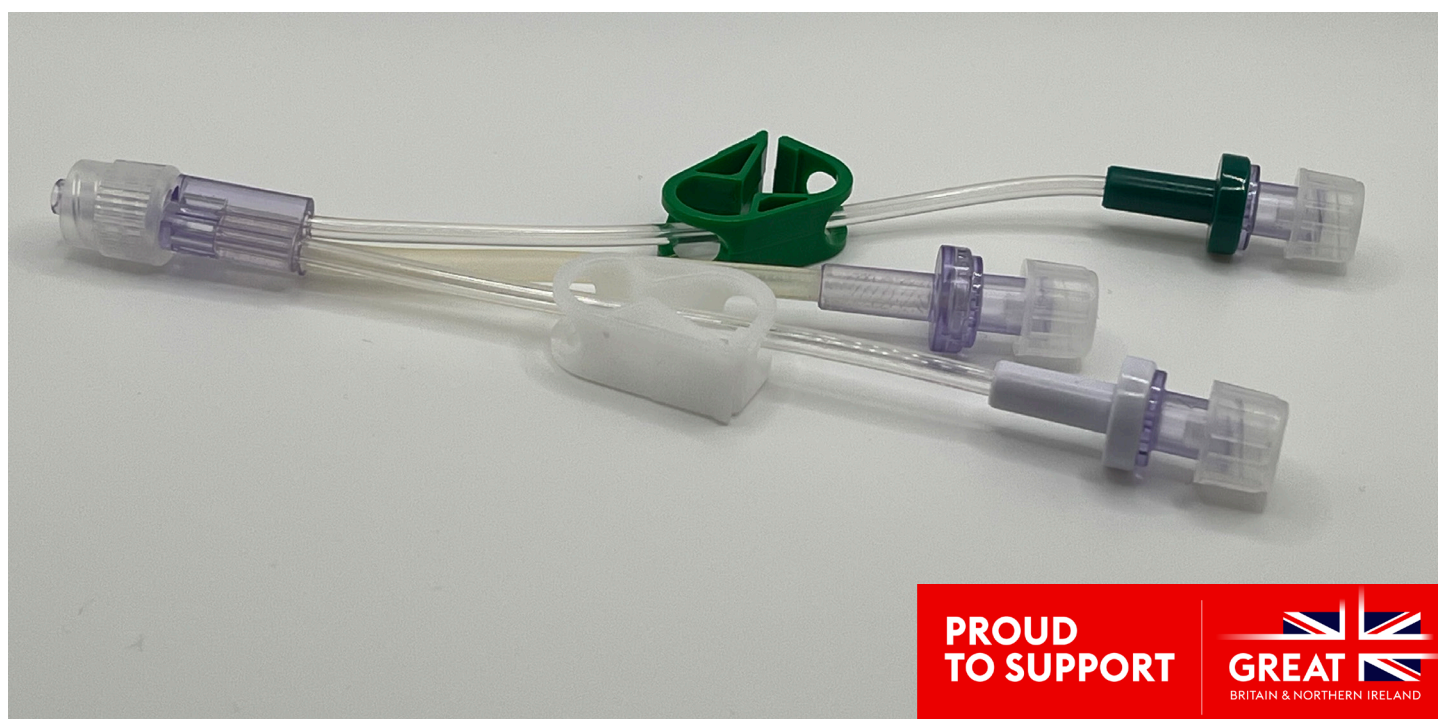


## Intravenous connector systems designed by clinicians to maximise patient safety

- Backcheck valve on the gravity fed IV line
- Integral braiding in the gravity limb to prevent kinking/obstruction
- Antisiphon valve on pumps lines
- Line clamps to prevent accidental bolus dosing during syringe handling
- 1, 2, or 3 pump line options
- Fully rotating male Luer to prevent line tangles
- Negligible common fluid space, preventing drug mixing/reservoir build up
- Colour coded components to facilitate correct drug selection at syringe change
- MRI compatible
- Lipid resistant, inert components
- Swabable needle free valve options
- Low prime volume and light protected pump line options
- Reduced use of plastics, packaged using recycled materials

Ideal for use with Total Intravenous Anaesthesia, obstetric infusions, and chemotherapy.

**Developed and manufactured in the UK, used around the world**



**PROUD  
TO SUPPORT**



## Key Features

### DEHP / Plasticiser free

No plasticiser containing plastic anywhere in fluid / drug path – no risk of plasticiser induced toxicity

### Latex free

Reduces the chance of a severe allergic reaction

### Negligible common fluid space

Patented multilumen hub keeps infusions separate until distal tip of connector so helping to prevent drug / drug reactions

### Lipid resistant plastics

Safe for use with lipid containing drugs e.g. propofol

### Fully rotating male Luer collar

'Self locates' on locking and prevents line spaghetti

## Gravity Line

### Kink resistant gravity line

Nylon braiding built into catheter wall helps maintain free-flowing drip

### Low sorbing plastic

Polyurethane catheter prevents changes in bioavailability of infused drug

### Low resistance back check valve – opens with minimal pressure

Effectively prevents back flow of drugs or blood into gravity line

## Drug Line(s)

### Low sorbing plastic

Trilayer co-extruded catheter with polyethylene inner lining prevents changes in bioavailability of infused drug

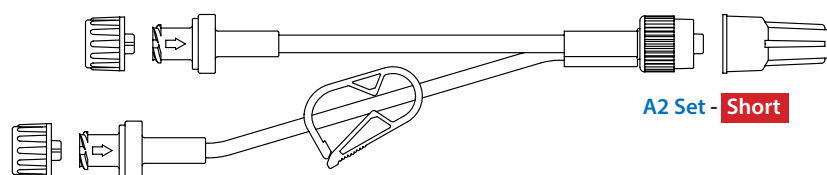
### Normally closed anti-siphon valve(s)

One way valve opens with higher crack pressure, preventing accidental overdose from siphoning from pump or syringe

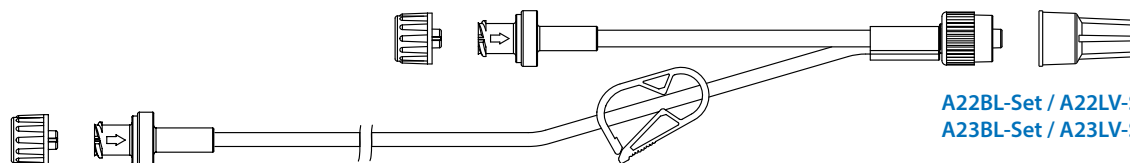
### Colour coded pinch clamp

Prevents accidental bolus delivery during syringe handling

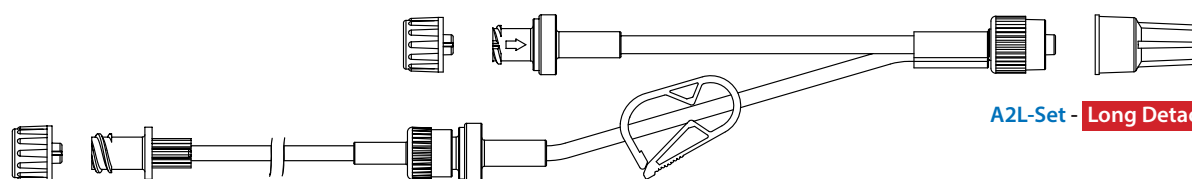
### Bonded or detachable long line extensions on drug line(s)



A2 Set - Short

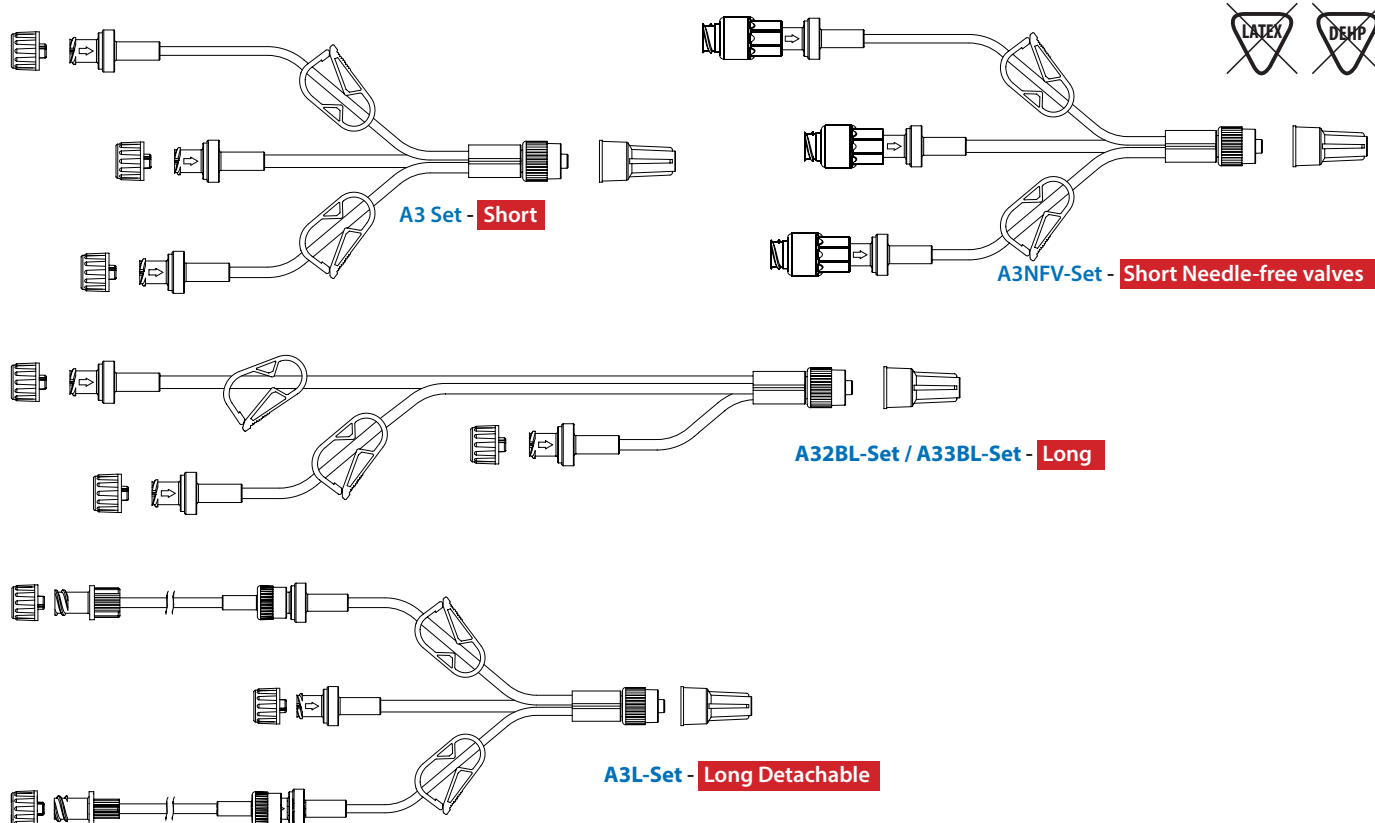


A22BL-Set / A22LV-Set / A22PD-Set /  
A23BL-Set / A23LV-Set - Long



A2L-Set - Long Detachable

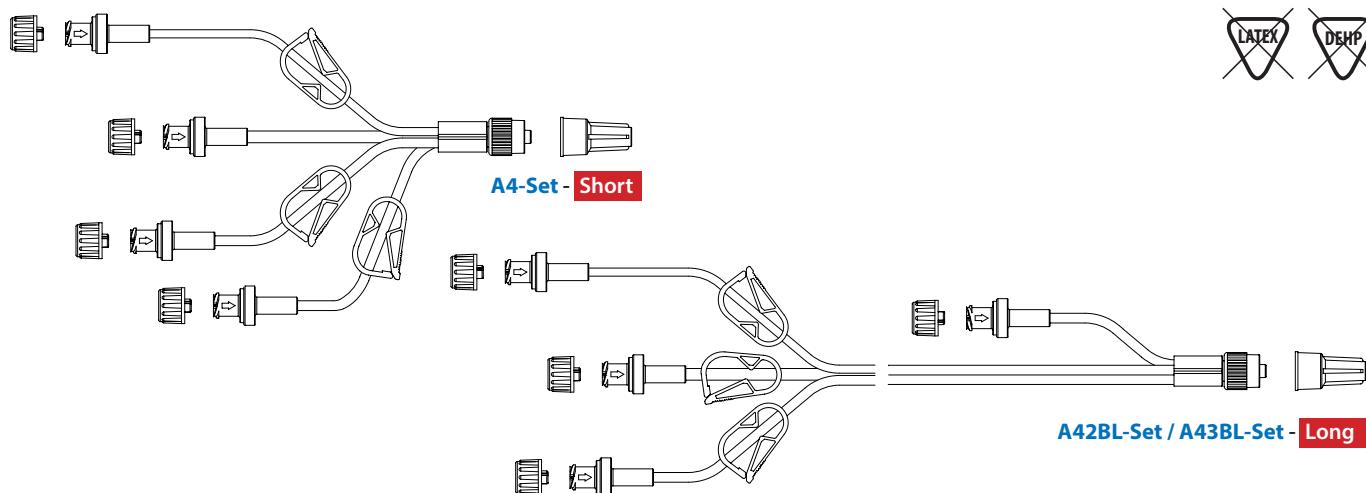
Gravity IV fluid line One pump line	A2-Set	A22BL-Set	A22LV-Set	A22PD-Set	A23BL-Set	A23LV-Set	A2L-Set
Reference	7200A	7220BL	7220LV	7220PD	7230BL	7230LV	7200L
Pump line	Short	Long	Long, low volume	Long, low volume light protected	Long	Long, low volume	Long Detachable
<b>Gravity IV fluid line</b>							
Braided polyurethane (kink resistant)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Length (cm)	8	8	8	8	8	8	8
Back check valve	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Pump line 1</b>							
DEHP-free PVC (clear)	Yes	Yes	Yes		Yes	Yes	Yes
DEHP-free PVC (amber)				Yes			
Length (cm)	10	200	200	200	300	300	210
Prime volume (ml)	0.6	4.8	1.8	1.8	7.0	2.5	4.9
Antisiphon valve colour	White	White	White	White	White	White	White
Line clamp colour	White	White	Orange	Orange	White	Orange	White



Gravity IV fluid line Two pump lines	A3-Set	A3NFV-Set	A32BL-Set	A33BL-Set	A3L-Set
Reference	7300A	7300ANF	7320BL	7330BL	7300AL
Pump line	Short	Short Needle-free valves	Long	Long	Long Detachable
<b>Gravity IV fluid line</b>					
Braided polyurethane (kink resistant)	Yes	Yes	Yes	Yes	Yes
Length (cm)	8	8	8	8	8
Back check valve	Yes	Yes	Yes	Yes	Yes
Swabble needle-free valve		Yes			
<b>Pump line 1</b>					
DEHP-free PVC (clear)	Yes	Yes	Yes	Yes	Yes
Length (cm)	10	10	200	300	185
Prime volume (ml)	0.6	0.7	4.8	7.0	4.6
Antisiphon valve colour	White	White	White	White	White
Line clamp colour	White	White	White	White	White
Swabble needle-free valve		Yes			
<b>Pump line 2</b>					
DEHP-free PVC (green)	Yes	Yes	Yes	Yes	Yes
Length (cm)	12	12	200	300	185
Prime volume (ml)	0.3	0.4	1.8	2.5	1.7
Antisiphon valve colour	Green	Green	Green	Green	Green
Line clamp colour	Green	Green	Green	Green	Green
Swabble needle-free valve		Yes			

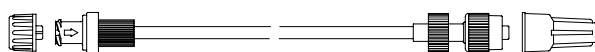
## A4-Sets

1 Gravity line, 3 Pump lines



Gravity IV fluid line Three pump lines	A4-Set	A42BL-Set	A43BL-Set
Reference	7400A	7420BL	7430BL
Pump lines	Short	Long	Long
<b>Gravity IV fluid line</b>			
Braided polyurethane (kink resistant)	Yes	Yes	Yes
Length (cm)	8	8	8
Back check valve	Yes	Yes	Yes
<b>Pump line 1</b>			
DEHP-free PVC (clear)	Yes	Yes	Yes
Length (cm)	10	200	300
Prime volume (ml)	0.6	4.8	7.0
Antisiphon valve colour	White	White	White
Line clamp colour	White	White	White
<b>Pump line 2</b>			
DEHP-free PVC (green)	Yes	Yes	Yes
Length (cm)	10	200	300
Prime volume (ml)	0.3	1.8	2.5
Antisiphon valve colour	Green	Green	Green
Line clamp colour	Green	Green	Green
<b>Pump line 3</b>			
DEHP-free PVC (blue)	Yes	Yes	Yes
Length (cm)	10	200	300
Prime volume (ml)	0.3	1.8	2.5
Antisiphon valve colour	Blue	Blue	Blue
Line clamp colour	Blue	Blue	Blue

## A1-Set



**A12PD-Set - Long, light protected**

**Combined ASV and Needle-free valve**



One pump line, light protected	A12PD-Set
Reference	7120PD
Pump line	Long
<b>Pump line 1</b>	
DEHP-free PVC (amber)	Yes
Length (cm)	200
Prime volume (ml)	1.9
Antisiphon valve colour	Purple
Swabble needle-free valve (integral)	Yes