

# Pumps/Pump Sets

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# Plum A+® Infusion System



The Plum A+® Infusion System is a general purpose device platform that provides automated piggyback delivery and concurrent delivery of I.V. infusions. The Plum A+® provides an Advanced Therapies application (with a confirmation screen) that offers dose calculation, multistep and loading dose for medications and their associated package insert recommended units of measure and units for concentration. Variable rate cap, standby and delayed start features, keypad or toggle lockout and intuitive programming are just a few of the patient safety attributes offered by the Plum A+® Infusion System.

**List No. 12391** Plum A+® v11.3

**List No. 12618** Plum A+3® v11.3

**Dimensions** Approx. 8" h x 8" w x 6" d (excluding pole clamp)

**Weight** Approx. 9.5 lbs. (with battery)

**Power Requirements** 120 V, 50-60 Hz, 35 VA

**Battery Life** Approx. 6 hours 125 mL/hr, or 500 mL x 126 mL/hr

**Recharge Time** Approx. 6 hours with one line operating at 125 mL/hr

**Delivery Rates, Primary** 0.1 mL/hr Minimum, 999 mL/hr Maximum

**Delivery Rates, Secondary** 0.1 mL/hr Minimum, 999 mL/hr Maximum

**Delivery Rates, Concurrent** 0.5 mL (per line) Minimum, 500 mL/hr (cumulative) Maximum

**Delivery Units** mL/hr, mcg/kg/min, mcg/min, mcg/kg/hr, cg/hr, mg/min, mg/kg/hr, mg/hr, ng/kg/min, g/hr, mEq/hr, Million units/hr, units/min, units/hr, units/kg/hr, units/kg/min, mmol/min, mmol/hr

**Delivery Accuracy** +/- 5% (1-999 mL/hr), +/- 10% (0.1-0.9 mL/hr)

**Programmable Volume/VTBI Range** 0.1 to 99.9 mL (in 0.1 mL increments), 100 to 9999 mL (in mL increments)

**KVO** 1.0 mL/hr or the last primary delivery rate, whichever is less

**Distal Occlusion Pressure** 1-15 psig (default 6 psig)

**System Alarms** Air-in-Line, Air-in-Line Backpriming, Low Battery, Occlusion, Turn to Run, Flow Detector, VTBI Complete or Dose End

**Plum® Primary Macro Sets CLAVE®**

List No. **12543-48**

LifeShield® Primary I.V. Set – with convertible piercing pin, drip chamber, CAIR® clamp, Option-Lok® with male adapter, winged female adapter, slide clamp, 2 backcheck valves and 2 CLAVE® injection Y-sites. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
100" (254 cm)	15	15.5	0.100"	48

List No. **19306-12**

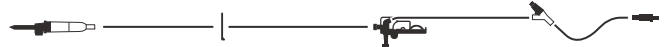
LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette with capped secondary port, CAIR® clamp, backcheck valve, 2 CLAVE® injection Y-sites and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
103" (262 cm)	15	19.6	0.100"	48

List No. **11943-12**

LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette with capped secondary port, CLAVE® injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	19.9	0.100"	48

List No. **12030-12**

LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette with CLAVE® secondary port, CLAVE® injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	19.6	0.100"	48

List No. **12260-12**

LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette with capped secondary port, 2 CLAVE® injection Y-sites and Option Lok®. Latex-Free.

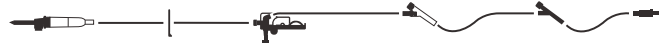


Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	19.4	0.100"	48

**Plum® Primary Macro Sets Prepierced**

List No. **11687-01**

LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette, capped secondary port, backcheck valve, 2 prepierced injection Y-sites and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	19.4	0.100"	48

# Plum® Sets

## Plum® Primary Macro Sets Prepierced

List No. **12119-12**

LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette with capped secondary port, 2 lower prepierced injection Y-sites and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	19.4	0.100"	48

List No. **1650-48**

LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette prepierced secondary port, lower prepierced injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	19.5	0.100"	48

List No. **1642-48**

LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, slide clamp, capped secondary port, prepierced injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	19.9	0.100"	48

## Plum® Primary Sets Microdrip CLAVE®

List No. **12540-02**

LifeShield® Primary I.V. PlumSet® Microdrip® – with convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette with capped secondary port, CLAVE® injection Y-site and Option-Lok®. Latex-Free.

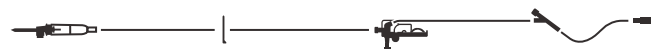


Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	60	12.3	0.100"	24

## Plum® Primary Sets Microdrip Prepierced

List No. **1735-78**

LifeShield® Primary I.V. PlumSet® Microdrip® – with convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette, prepierced secondary port, prepierced injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	60	12.9	0.054"	24

## Plum® Primary Filter CLAVE®

List No. **11947-12**

LifeShield® Primary I.V. PlumSet® – with polyethylene-lined tubing, convertible piercing pin, 2 slide clamps, dual-channel in-line cassette with capped secondary port, 0.2 micron filter, CLAVE® injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	22	0.100"	48

List No. **11946-12**

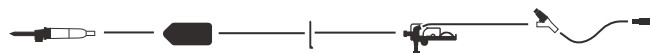
LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, 2 slide clamps, dual-channel in-line cassette with capped secondary port, 2 CLAVE® injection Y-sites, 0.2 micron filter and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
112" (284 cm)	15	25.5	0.100"	48

List No. **12336-02**

LifeShield® Primary I.V. PlumSet® – with non-DEHP tubing, convertible piercing pin, 0.2 micron filter, slide clamp, dual-channel in-line cassette with capped secondary port, CLAVE® injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
112" (284 cm)	15	23.4	0.100"	48

List No. **12563-12**

LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette with CLAVE® secondary port, 2 CLAVE® injection Y-sites, 0.2 micron filter, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
112" (284 cm)	15	24	0.100"	48

## Plum® Primary Filter Prepierced

List No. **11879-12**

LifeShield® Primary I.V. PlumSet® – with orange light-resistant polyethylene-lined tubing, convertible piercing pin, 2 slide clamps, inline dual-channel cassette with capped secondary port, 0.2 micron filter, prepierced injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	14.6	0.043"	48

List No. **11893-12**

~~LifeShield® Primary Nutritional PlumSet® – with non-DEHP tubing, convertible piercing pin, drip chamber, 2 slide clamps, dual-channel in-line cassette with prepierced secondary port, 1.2 micron filter, prepierced injection Y-site and Option-Lok®. Latex-Free.~~



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	21.8	0.100"	48

List No. **1644-48**

LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, 2 slide clamps, dual-channel in-line cassette, prepierced secondary port, 2 prepierced injection Y-sites, 0.2 micron filter and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
112" (284 cm)	15	27	0.100"	48

# Plum® Sets

## Plum® Primary Filter Prepierced

List No. **1645-48**

LifeShield® Primary I.V. PlumSet® – with convertible piercing pin, drip chamber, 2 slide clamps, capped secondary port, 2 prepierced injection Y-sites, 0.2 micron filter and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
112" (284 cm)	15	22.5	0.100"	48

List No. **11373-02**

LifeShield® Primary I.V. PlumSet® – with non-DEHP tubing, convertible piercing pin, drip chamber, 0.2 micron filter, slide clamp, dual-channel in-line cassette, capped secondary port, prepierced injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
112" (284 cm)	15	23.3	0.100"	24

## Plum® SoluSets®/Burettes CLAVE®

List No. **12564-02**

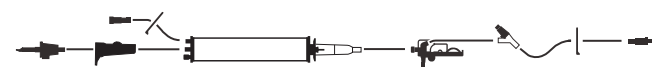
LifeShield® 150 mL Burette PlumSet® Soluset® – with convertible piercing pin, upper slide clamp, bacterial-retentive air filter with slide clamp, 150 mL burette with prepierced injection site, drip chamber, dual-channel inline cassette with capped secondary port, 2 CLAVE® injection Y-sites, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
114" (290 cm)	15	18.7	0.100"	24

List No. **14923-65**

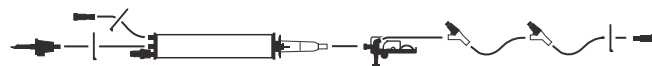
LifeShield® PlumSet® Microdrip® SoluSet® – with convertible piercing pin, upper CAIR® clamp, bacterial retentive air filter with slide clamp, 150 mL burette with prepierced injection site, drip chamber, dual channel inline cassette with capped secondary port CLAVE® Y-site, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
122" (310 cm)	60	13	0.054"	20

List No. **11948-02**

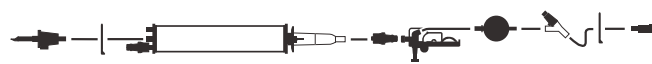
LifeShield® PlumSet® Microdrip® SoluSet® 150 x 60 – with small bore reduced priming volume tubing, convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, 150 mL burette with CLAVE® injection site, drip chamber, dual-channel inline cassette with capped secondary port, 2 CLAVE® injection Y-sites, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
124" (315 cm)	60	11.7	0.054"	24

List No. **19231-12**

LifeShield® PlumSet® Microdrip® SoluSet® 150 x 60 – with non-DEHP tubing, convertible piercing pin, upper slide clamp, female adapter with slide clamp, 150 mL burette with CLAVE® injection site, drip chamber, dual-channel inline cassette with CLAVE® secondary port, 0.2 micron low priming volume filter, CLAVE® injection Y-site, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
124" (315 cm)	60	15.7	0.054"	48

List No. **11944-02**

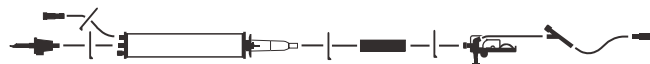
LifeShield® PlumSet® Microdrip® SoluSet® – with convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamps, 150 mL burette with CLAVE® injection site, dual-channel inline cassette with capped secondary port, 3 CLAVE® injection Y-sites, 2 slide clamps, 0.2 micron low priming volume filter, small bore reduced priming volume tubing and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
139" (353 cm)	60	13.2	0.054"	24

List No. **11374-03**

LifeShield® 50 mL Burette PlumSet® Microdrip®, SoluSet® – with distal non-DEHP reduced priming volume tubing, convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, prepierced injection site, 50 mL burette, drip chamber, 2 slide clamps, 0.2 micron filter, dual-channel capped secondary port, prepierced injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
100" (254 cm)	60	14.2	0.100"	48

### Plum® SoluSets®/Burettes Prepierced

List No. **6446-03**

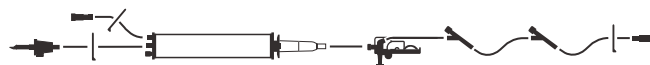
LifeShield® Microdrip® PlumSet® SoluSet® – with convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, 50 mL burette, drip chamber, dual channel in-line cassette with prepierced secondary port, 2 prepierced injection sites, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
105" (267 cm)	60	10.6	0.054"	24

List No. **11979-02**

LifeShield® PlumSet® SoluSet® 150 x 15 – with convertible piercing pin, upper slide clamp, bacterial-retentive air filter with slide clamp, 150 mL burette with prepierced secondary port, drip chamber, 2 prepierced injection Y-sites, slide clamp and Option-Lok®. Latex-Free distal priming volume is approximately 14.3 mL, including cassette.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
114" (290 cm)	15	19.6	0.100"	24

List No. **11710-02**

LifeShield® Microdrip® SoluSet® PlumSet® – with convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, 150 mL burette with prepierced injection site, dual-channel inline cassette with capped secondary port, 2 prepierced injection Y-sites, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
124" (315 cm)	60	11.7	0.054"	24

List No. **11977-03**

LifeShield® Microdrip® SoluSet® PlumSet® 150 x 60 – with small bore reduced priming volume tubing, convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, 150 mL burette with prepierced injection site, drip chamber, dual-channel inline cassette with prepierced secondary port, 2 prepierced injection Y-sites, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
124" (315 cm)	60	13.1	0.054"	24

# Plum® Sets

## Plum® SoluSets®/Burettes Prepierced

List No. **6445-03**

~~LifeShield® 150 mL Burette PlumSet® SoluSet® – with convertible piercing pin, upper slide clamp, bacterial air filter with slide clamp, burette with prepierced injection port, drip chamber, prepierced secondary port, 3 prepierced injection Y-sites, 2 slide clamps, 0.2 micron filter and Option-Lok®. Latex-Free.~~



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
130" (330 cm)	15	24.6	0.100"	24

List No. **11949-02**

LifeShield® PlumSet® Microdrip® SoluSet® 150 x 60 – with small bore reduced priming volume tubing, convertible piercing pin, upper slide clamp, bacterial-retentive air filter with slide clamp, 150 mL burette with prepierced injection site, drip chamber, dual-channel inline cassette with capped secondary port, 3 prepierced injection Y-sites, 2 slide clamps, 0.2 micron low priming volume filter Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
139" (353 cm)	60	13.2	0.054"	24

List No. **11980-03**

LifeShield® PlumSet® Microdrip® SoluSet® 150 x 60 – with small bore reduced priming volume tubing, convertible piercing pin, upper slide clamp, bacterial-retentive air filter with slide clamp, 150 mL burette with prepierced injection site, drip chamber, dual-channel inline cassette with prepierced secondary port, 3 prepierced injection Y-sites, 2 slide clamps, 0.2 micron low priming volume filter, and Option-Lok®. Latex-Free retrograde volume = 2.9 mL. Distal priming volume is approx. 9.7 mL, including the cassette.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
139" (353 cm)	60	15	0.054"	24

## Plum® SoluSets®/Burettes Standard

List No. **11670-02**

LifeCare® PlumSet® Microdrip® SoluSet® 150 mL – with convertible pin, upper slide clamp, bacterial retentive air filter with slide clamp, burette with prepierced injection site, drip chamber with ball check valve, in-line dual channel cassette with capped secondary port, 2 prepierced injection sites, slide clamp and Option-Lok®. Latex-Free.

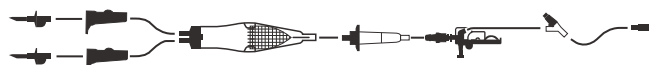


Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
124" (315 cm)	60	11.7	0.054"	24

## Plum® Blood Administration CLAVE®

List No. **12259-02**

LifeShield® HEMA® II Y-Type Blood PlumSet® – with 2 non-vented piercing pins, 2 CAIR® clamps, 210 micron blood filter, drip chamber, dual-channel in-line cassette with CLAVE® secondary port, CLAVE® injection Y-site and Option-Lok®. Latex-Free.

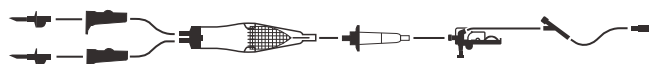


Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
122" (310 cm)	10	77.4	0.100"	24

## Plum® Blood Administration Prepierced

List No. **11664-03**

LifeShield® HEMA® II Y-Type Blood PlumSet® – with 2 nonvented piercing pins, 2 CAIR® Clamps, 210 micron blood filter, drip chamber, dual-channel in-line cassette, prepierced secondary port, prepierced injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
122" (310 cm)	10	77.4	0.100"	24



List No. **11235-03**

LifeShield® HEMA® PlumSet® – with nonvented piercing pin, drip chamber, in-line dual channel cassette with capped secondary port, prepierced injection site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	15	72	0.100"	24

## Plum® Blood Administration Standard

List No. **11241-03**

LifeShield® PlumSet® Hemoset® SoluSet® 100 mL I.V. Burette – with nonvented piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, 170 micron blood filter, drip chamber, prepierced secondary port and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
105" (267 cm)	15	17.7	0.100"	24

## Plum® Specialty CLAVE®

List No. **12338-12**

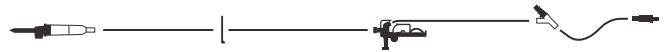
LifeShield® Specialty Microbore I.V. PlumSet® – with small bore reduced priming volume tubing, dual-channel in-line cassette, slide clamp, 2 CLAVE® injection Y-sites and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
76" (193 cm)	–	6.8	0.054"	48

List No. **12339-12**

LifeShield® Primary I.V. PlumSet® – with orange polyethylene-lined light-resistant tubing, convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette with capped secondary port, CLAVE® injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
103" (264 cm)	15	11	0.043"	48

List No. **12538-48**

LifeShield® Fat Emulsion I.V. PlumSet® – with non-DEHP tubing, convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette with CLAVE® secondary port, CLAVE® injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
103" (264 cm)	15	19.1	0.100"	48

List No. **12539-05**

LifeShield® Primary Nutritional PlumSet® – with non-DEHP tubing, convertible piercing pin, upper slide clamp, capped secondary port, 1.2 micron filter, lower slide clamp, CLAVE® Y-site and Option-Lok®. Latex-Free.



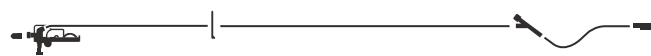
Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	21.8	0.1	48

# Plum® Sets

## Plum® Specialty Prepierced

List No. **2422-22**

LifeShield® Specialty Microbore I.V. PlumSet® – with small bore reduced priming volume tubing, Half set, Plum® pump cassette with capped port, slide clamp, prepierced injection Y-site and Option-Lok®.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
76" (193 cm)	–	6.5	0.054"	48

List No. **11003-78**

LifeShield® I.V. Fat Emulsion PlumSet® – with non-DEHP tubing, convertible piercing pin, drip chamber, slide clamp, dual-channel in-line cassette, prepierced secondary port, lower prepierced injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	19.5	0.100"	48

List No. **2427-78**

LifeShield® Microdrip® Nitroglycerin PlumSet® – with polyethylene-lined tubing, convertible piercing pin, drip chamber, dual-channel in-line cassette, prepierced secondary port, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
107" (272 cm)	60	18.7	0.100"	48

List No. **9097-48**

LifeShield® Anesthesia High-Flow I.V. PlumSet® – with convertible piercing pin, drip chamber, CAIR® clamp, upper Option-Lok® with male adapter, capped secondary port, 2 slide clamps, middle Option-Lok® with male adapter, 2 prepierced reseal injection sites with backcheck valves and lower Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
114" (290 cm)	15	20	0.100"	48

## Plum® Specialty Standard

List No. **11878-12**

Nitroglycerin PlumSet® – with polyethylene-lined tubing, convertible piercing pin, drip chamber, dual-channel in-line cassette with capped secondary port, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
107" (272 cm)	15	20.1	0.100"	48

## Plum® Enteral Standard

List No. **1479-02**

Enteral PlumSet® – with 40 mm screw cap, bacterial retentive air filter, drip chamber, slide clamp, in-line cassette and non-I.V. enteral catheter adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
98" (249 cm)	15	17.5	0.100"	24

## Plum® Secondary Midlength

List No. **19098-48**

LifeShield® Macro bore Extension PlumSet® – with female adapter, dual-channel in-line cassette with capped secondary port, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
12" (30 cm)	—	5.1	0.100"	48

List No. **11417-78**

LifeShield® Secondary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp and Option-Lok®; includes detached LifeShield® blunt cannula. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
18" (46 cm)	15	2.5	0.100"	48

List No. **11877-48**

Secondary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
18" (46 cm)	15	5.5	0.100"	48

List No. **1643-48**

LifeShield® Secondary I.V. PlumSet® – with convertible piercing pin, drip chamber, slide clamp and Option-Lok®; includes detached LifeShield® blunt cannula. Latex-Free.

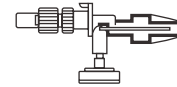


Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
32" (81 cm)	15	6	0.100"	48

## Plum® Accessories

List No. **11986-48**

Vented Syringe Adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	0.35	—	48

List No. **3233-01**

Three-Way Stopcock with Male Locking Luer adapter for syringe attachment or any sterile extension. Latex-Free.



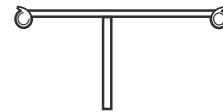
Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	—	—	50

# Plum® Sets

## Plum® Accessories

List No. ~~11868-01~~

~~Plum XL3M® I.V. Minipole.~~



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	—	—	4

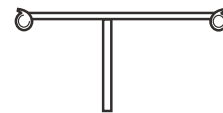
List No. **12095-03**

Secondary container support — For use when syringes are connected directly to the PlumSet®. Compatible with the Plum A+®.

Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	—	—	1

List No. **12096-07**

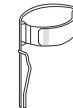
Plum® A+ I.V. Minipole.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	—	—	1

List No. ~~9294-01~~

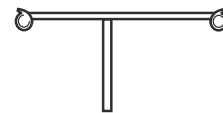
~~Secondary Container Support — For use when syringes are connected directly to PlumSet®, Plum® & Plum XLD®.~~



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	—	—	4

List No. **9295-01**

Plum® & Plum XL® Minipole.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	—	—	1

List No. ~~11972-01~~

~~Bar Code reader for use with Plum® A+ only.~~



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	—	—	4

# Plum A+® Hyperbaric™ Infusion System

The Plum A+® Hyperbaric™ Infusion System is exclusively designed for hyperbaric therapy in monoplace and multiplace chambers.



- Utilizes proven Plum® technology
- Compatible with Hospira MedNet® Safety Software
- User-selectable distal pressure limit (1–41 psig)
- Automatic distal pressure reset
- For primary, secondary and piggyback fluid delivery
  - Automatic piggyback delivery
  - Concurrent delivery
- Automatic air-in-line removal
- Customizable drug library when used with Hospira MedNet® Safety Software

**List No. 11005** Plum A+® Hyperbaric Infusion Device

**List No. 11006** Plum A+® v11.3

**Dimensions** 8" h x 8" w x 6" d

**Weight** 9.5 lbs. (with battery)

**Power Requirements** 120 V, 50–60 Hz

**Battery Life** 6 V lead acid battery provides 3 hrs. per charge, operating at 125 mL/hr or less or delivers 250 mL if > 126 mL/hr.

**Delivery Rate and Dose Limit** 0.1–99.9 mL/hr (in 0.1 mL increments / 100–999 mL/hr (in 1 mL increments)

**Infuser Stall Pressure** Maximum pressure available to overcome in-line resistance is less than or equal to 35 psi

## Syringe Set

List No. **11007-01**

Primary PlumSet®-HB – with non-DEHP tubing, convertible piercing pin, filter vent cover, drip chamber, slide clamp, in-line dual-channel cassette with capped secondary port and male adapter with Secure Lock.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
100" (254 cm)	15	19	0.100"	24

List No. **12202-01**

Primary PlumSet®-HB – with non-DEHP microbore tubing, convertible piercing pin, filter vent cover, drip chamber, slide clamp, in-line dual-channel cassette with capped secondary port and male adapter with Secure Lock. Recommended for low flow rates.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
100" (254 cm)	15	10	0.054"	24

List No. **11647-48**

PlumSet®-HB Monoplace Extension Set – with Option-Lok®, spin collar check valve, female adapter luer lock and add-on three-way stopcock. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
73" (185 cm)	—	7.3	0.090"	48

# Symbiq® Infusion System



The Symbiq® infusion system is the only general infusion system that allows hospitals to assure clinician compliance. The Symbiq infuser requires users to select an entry from the drug library for all drug delivery programs. Compliance is the key to patient safety and safety software compliance is assured in the Symbiq infusion system.

The award-winning Symbiq infusion system incorporates human factors design that provides intuitive ease of use to accelerate staff acceptance and reduce risk of programming errors. The Symbiq infuser features programming and mechanical design elements that include the following:

- High resolution color and graphics touchscreen interface with a Far View delivery screen that is readable by a person with 20:40 vision
- Easy to attach and detach rotating pole clamp with fast travel mechanism and integral clutch that prevents overtightening

Flexible settings of the Symbiq infusion system allow hospitals to configure the device to focus on the patient needs for each area of care. The flexibility of the Symbiq infuser is unmatched by any other infusion system.

- 42 configurable settings
- 91 dosing units available
- 40 definable clinical care areas (CCA)
- 400 medications per CCA

The Symbiq infuser communicates wirelessly with Hospira MedNet® software, allowing customers to gather infusion data remotely. This data is provided in standardized reports that support quality assurance/improvement purposes.

**List No. 16026** Single-Channel

**List No. 16027** Dual-Channel

**Dimensions (excluding pole clamp)** 10.2" h x 9.9" w x 8.6" d single-channel / 10.2" h x 10.2" w x 8.6" d dual-channel

**Weight** Approx. 10.7 lbs. (single-channel), or 12.1 lbs. (dual-channel)

**Power Requirements** 50-60 Hz, 100-240 VAC, 100 VA max.

**Battery Life** Four hours per charge (approx.)

**Recharge Time** Six hours or less

**Delivery Rates, Primary** 0.1-99.9 mL/hr (in 0.1 mL/hr increments), single-channel

**Delivery Rates, Primary** 100-1000 mL/hr (in 1 mL/hr increments), dual-channel

**Delivery Units** 91 dosing units, reference Operations Manual

**Delivery Accuracy** +/- 5%, 0.1-1000 mL/hr

**Programmable Volume/VTBI Range** 0.1-99.9 mL (in 0.1 mL/hr increments), single-channel

**Programmable Volume/VTBI Range** 100-9999 mL (in 1 mL/hr increments), dual-channel

**KVO** 0.1-20 mL/hr

**Distal Occlusion Pressure** 1-15 psi in increments of 0.5

## Primary I.V. Sets – Macrobore CLAVE®

List No. **16005-01**

LifeShield® Symbiq® Pump Set – with non-DEHP tubing, convertible piercing pin, drip chamber, CAIR® clamp, CLAVE® Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
105" (267 cm)	15	13	0.090"	48

List No. **16110-04**

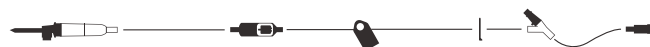
LifeShield® Primary Symbiq® Set – with non-DEHP tubing, convertible piercing pin, drip chamber, cassette, CAIR® clamp, CLAVE® Y-site and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16005-01.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
105" (267 cm)	15	13	0.090"	48

List No. **16024-01**

LifeShield® Symbiq® Pump Set – with orange polyethylene-lined light resistant tubing, convertible piercing pin, slide clamp, CLAVE® Y-site, distal microbore tubing and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
105" (267 cm)	15	8.3	0.043"	48

List No. **16012-01**

LifeShield® Symbiq® Pump Set – with convertible piercing pin, drip chamber, backcheck valve, 2 CLAVE® ports, distal microbore polyethylene-lined tubing segment and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
105" (267 cm)	15	15	0.054"	48

## Primary I.V. Sets

List No. **16095-28**

Primary Symbiq® Set – with non-DEHP tubing, convertible piercing pin, drip chamber, slide clamp, CAIR clamp and Option-Lok®. Includes microbore segment. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
93" (236.2 cm)	15	11	0.100"	48

List No. **16036-28**

LifeShield® Symbiq® Piggyback Pump Set – with non-DEHP tubing, convertible piercing pin, drip chamber with ball check valve, backcheck valve, 2 CLAVE® Y-sites, CAIR® clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
106" (269 cm)	15	14	0.090"	48

# Symbiq® Sets

## Primary I.V. Sets

List No. **16108-01**

LifeShield® Symbiq® Piggyback Set – with non-DEHP tubing, convertible piercing pin, drip chamber with ball check valve, backcheck valve, slide clamp, 2 CLAVE® Y-sites and Option Lok®. Includes microbore segment. Latex-Free. Replaces 16036-28.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
105" (267 cm)	15	14	0.090"	48

## Primary I.V. Sets – Microdrip®

List No. **16000-01**

LifeShield® Symbiq® Pump Set, Microdrip® – with non-DEHP tubing, convertible piercing pin, piggyback with backcheck valve, 2 CLAVE® Y-sites, CAIR® clamp, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
106" (269 cm)	60	9.6	0.100"	48

List No. **16025-01**

Symbiq® Nitroglycerin Pump Set, Microdrip® – with polyethylene-lined tubing, convertible piercing pin, drip chamber, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
108" (274 cm)	60	17.2	0.100"	48

List No. **16103-01**

Primary Symbiq® Microdrip® Set – with polyethylene-lined tubing, convertible piercing pin, drip chamber, slide clamp and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16025-01.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
109" (277 cm)	60	16	0.100"	48

## Primary Piggyback Sets

List No. **16022-01**

LifeShield® Symbiq® Pump Set – with non-DEHP tubing, convertible piercing pin, piggyback with backcheck valve, 2 CLAVE® Y-sites, CAIR® clamp, 0.2 micron filter, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	17	0.090"	48

List No. **16111-04**

LifeShield® Symbiq® Pump Set – with non-DEHP tubing, convertible piercing pin, drip chamber, backcheck valve, 2 CLAVE® Y-sites, CAIR® clamp, 0.2 micron filter and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16022-01.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	19	0.090"	48



List No. **16013-01**

LifeShield® Symbiq® Pump Set – with polyethylene-lined tubing, convertible piercing pin, drip chamber, piggyback with backcheck valve, 2 CLAVE® Y-sites, 0.2 micron high-pressure filter, slide clamp, and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104.5" (265 cm)	15	18.6	0.100"	48

List No. **16093-28**

LifeShield® Symbiq® Pump Set – with polyethylene-lined tubing, piggyback with convertible piercing pin, drip chamber, backcheck valve, 2 CLAVE® Y-sites and 0.2 micron filter, slide clamp and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16013-01.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	19	0.100"	48

List No. **16019-01**

LifeShield® Symbiq® Pump Set – with non-DEHP tubing, convertible piercing pin, drip chamber, piggyback with backcheck valve, 2 CLAVE® Y-sites, CAIR® clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
106" (269 cm)	15	14	0.090"	48

List No. **16090-28**

LifeShield® Symbiq® Pump Set – with non-DEHP tubing, piggyback with convertible piercing pin, drip chamber, backcheck valve, 2 CLAVE® Y-sites, CAIR® clamp and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16019-01.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
105" (267 cm)	15	13	0.090"	48

List No. **16021-01**

LifeShield® Symbiq® Pump Set – with non-DEHP tubing, convertible piercing pin, piggyback with backcheck valve, 3 CLAVE® Y-sites, CAIR® clamp, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
106" (269 cm)	15	15	0.100"	48

List No. **16107-04**

LifeShield® Symbiq® Pump Set – with non-DEHP tubing, piggyback with convertible piercing pin, drip chamber, backcheck valve, 3 CLAVE® Y-sites, CAIR® clamp, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
106" (269 cm)	15	14	0.090"	48

# Symbiq® Sets

## Burette Sets – Macro

List No. **16007-01**

LifeShield® Hemoset® Symbiq® Pump 100 mL Burette Set – with non-DEHP tubing, nonvented piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, CLAVE® port, burette with 170 micron blood filter, drip chamber, CAIR® clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	14	0.090"	24

List No. **16113-28**

LifeShield® Symbiq® Pump 100 mL Burette Set – with non-DEHP tubing, nonvented piercing pin, slide clamp, burette with CLAVE® port, female adapter with slide clamp, 170 micron filter, CAIR® clamp and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16007-01.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	13	0.090"	24

List No. **16017-01**

LifeShield® Symbiq® Pump 150 mL Burette Set, SoluSet® – with non-DEHP tubing, convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, CLAVE® port, burette, drip chamber, CAIR® clamp, 2 CLAVE® Y-sites, lower slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
115" (292 cm)	15	15	0.100"	24

List No. **16106-04**

LifeShield® Symbiq® Pump 150 mL Burette Set, SoluSet® – with non-DEHP tubing, convertible piercing pin, filter vent cover, slide clamp, bacterial retentive air filter with female adapter, burette with CLAVE® port, drip chamber, CAIR® clamp, 2 CLAVE® Y-sites, slide clamp and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16017-01.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
115" (292 cm)	15	15	0.090"	24

List No. **16003-01**

LifeShield® Symbiq® Pump 150 mL Burette Set, SoluSet® – with non-DEHP tubing, convertible piercing pin with filter vent cover, upper slide clamp, bacterial retentive air filter with slide clamp, upper CLAVE® port, burette, drip chamber, CAIR® clamp, 2 slide clamps, 2 CLAVE® Y-sites, 0.2 micron filter and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
117" (297 cm)	15	17	0.090"	24

List No. **16112-04**

LifeShield® Symbiq® Pump 150 mL Burette Set, SoluSet® – with non-DEHP tubing, convertible piercing pin, slide clamp, bacterial retentive air filter with female adapter and slide clamp, burette, drip chamber, 2 slide clamps, 2 CLAVE® Y-sites, 0.2 micron filter and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16003-01.

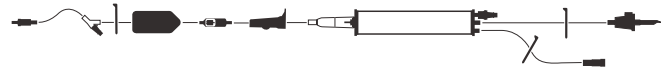


Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
116" (294.6 cm)	15	17	0.090"	24

## Burette Sets – Microdrip

List No. **16009-01**

~~LifeShield® Symbiq® Pump 50 mL Burette Set, Microdrip®, SoluSet® – with non-DEHP tubing, convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, CLAVE® port, burette, drip chamber, CAIR® clamp, 0.2 micron filter, lower slide clamp, CLAVE® Y-site, distal microbore tubing and Option-Lok®. Latex-Free.~~



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
100" (254 cm)	60	10.7	0.054"	24

List No. **16004-01**

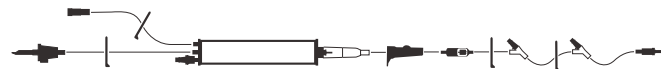
~~LifeShield® Symbiq® Pump 50 mL Burette Set, Microdrip®, SoluSet® – with non-DEHP tubing, convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, upper CLAVE® port, burette, drip chamber, CAIR® clamp, 2 slide clamps, 2 CLAVE® Y-sites, distal microbore tubing and Option-Lok®. Latex-Free.~~



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	60	8.1	0.054"	24

List No. **16014-01**

~~LifeShield® Symbiq® Pump 150 mL Burette Set, Microdrip®, SoluSet® – with non-DEHP tubing, convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, upper CLAVE® port, burette, drip chamber, CAIR® clamp, 2 slide clamps, 2 CLAVE® Y-sites, distal microbore tubing and Option-Lok®. Latex-Free.~~



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
124.5" (316 cm)	60	9.5	0.054"	24

List No. **16018-01**

~~LifeShield® Symbiq® Pump 150 mL Burette Set, Microdrip®, SoluSet® – with non-DEHP tubing, convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, upper CLAVE® port, burette, drip chamber, CAIR® clamp, 3 CLAVE® Y-sites, 3 slide clamps, 0.2 micron filter, distal microbore tubing and Option-Lok®. Latex-Free.~~

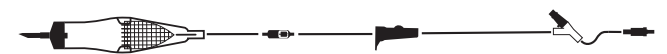


Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
138" (351 cm)	60	10	0.054"	24

## Blood Administration Sets

List No. **16006-01**

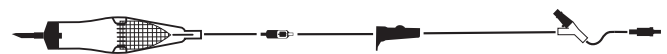
~~LifeShield® Symbiq® Pump Blood Set – with nonvented piercing pin, 210 micron blood filter, CAIR® clamp, CLAVE® Y-site and Option-Lok®. Latex-Free.~~



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	10	66	0.090"	24

List No. **16104-04**

~~LifeShield® Symbiq® Pump Blood Set – with nonvented piercing pin, 210 micron blood filter, CAIR® clamp, CLAVE® Y-site and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16006-01.~~



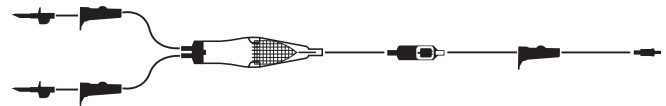
Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	10	64	0.090"	24

# Symbiq® Sets

## Blood Administration Sets

List No. **16091-01**

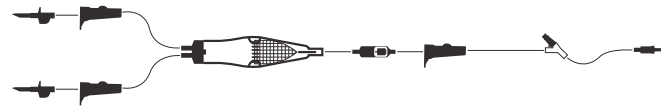
LifeShield® Primary Symbiq® Y-Type Blood Set – with 2 nonvented piercing pins, 2 CAIR® clamps, 210 micron blood filter, CAIR® clamp and Option-Lok®. Includes microbore segment. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
111" (282 cm)	10	63	0.090"	24

List No. **16020-01**

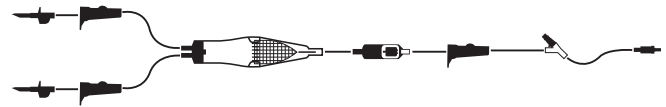
LifeShield® Symbiq® Pump Hema® Y-Type Blood Set – with 2 nonvented piercing pins, 2 upper CAIR® clamps, 210 micron blood filter chamber, lower CAIR® clamp, CLAVE® Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
122" (310 cm)	10	66	0.090"	24

List No. **16092-01**

LifeShield® Primary Symbiq® Y-Type Blood Set – with 2 nonvented piercing pins, 2 CAIR® clamps, 210 micron blood filter, CAIR® clamp, CLAVE® Y-site and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16020-01.

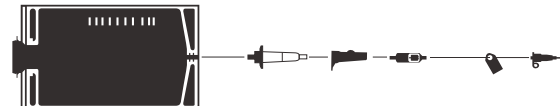


Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
121"	10	64	0.090"	24

## Enteral Sets

List No. **16016-01**

Symbiq® Enteral Pump Set – with non-DEHP tubing, integral feeding container with filling port, drip chamber, CAIR® clamp and non-I.V. enteral catheter adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
102" (259 cm)	15	11	0.090"	24

List No. **16011-01**

LifeShield® Symbiq® Pump Nutritional Set – with non-DEHP tubing, convertible piercing pin, drip chamber, CAIR® clamp, 1.2 micron filter, slide clamp, CLAVE® Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
104" (264 cm)	15	16	0.090"	48

List No. **16105-04**

LifeShield® Primary Symbiq® Set – with non-DEHP tubing, convertible piercing pin, CAIR clamp, 1.2 micron filter, slide clamp, CLAVE® Y-site and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16011-01.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
103" (262 cm)	15	16	0.090"	48

List No. **16015-04**

Symbiq® Pump Enteral Set – with non-DEHP tubing, 40 mm screw cap, bacterial retentive air filter, drip chamber, CAIR® clamp and non-I.V. enteral catheter adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
99" (251 cm)	15	12	0.090"	24

## Nitroglycerin Sets

List No. **16010-01**

Symbiq® Pump Nitroglycerin Set – with polyethylene-lined tubing, convertible piercing pin, drip chamber, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
108.5" (276 cm)	15	16.4	0.100"	48

List No. **16094-01**

Primary Symbiq® Set – with polyethylene-lined tubing, convertible piercing pin, drip chamber, slide clamp and Option-Lok®. Includes microbore segment. Latex-Free. Replaces 16010-01.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
109" (277 cm)	15	16	0.100"	48

## Syringe Set

List No. **16023-01**

LifeShield® Symbiq® Pump Syringe Microbore Set – with non-DEHP tubing, upper CLAVE® port, syringe holder, slide clamp, CLAVE® Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
83" (211 cm)	—	3.5	0.054"	56

# GemStar® Pumps



The GemStar® pump is a small and lightweight, single-channel infusion device. Seven types of therapies are available for infusion of medications and fluids. A GemStar® device can touch patients anywhere throughout the continuum of care, providing simple and reliable infusions across all applications, wherever the point of care may be.

The GemStar® is indicated for parenteral administrations that include, but are not limited to, intravenous, arterial, subcutaneous, regional and epidural analgesia, combined spinal epidural analgesia, short-term epidural infusion, intraspinal, intrathecal, intraoperative sites, intra-articular, intraperitoneal, and intracerebroventricular infusions. The system has been qualified for use in rotary and fixed-wing aircraft.

**List No. 13087** Seven Therapy Pump (blue end caps): TPN, pain management, intermittent, continuous, weight dosed, mL/hr only, variable time

**List No. 13086** Six Therapy Pump (grey end caps): TPN, intermittent, continuous, weight-dosed, mL/hr only, variable time

**List No. 13088** Pain Management Pump (yellow end caps): Pain management only

**Delivery Units** Continuous and Pain Management Therapies – Milliliters, milligrams, micrograms  
Weight Dose – 16 dosing units, reference Operations Manual

**Delivery Rates** Minimum: 0.1 mL/hr, Maximum: 1000 mL/hr, Maximum Pain Management (List No. 13088 only): 100 mL/hr

**Programmable Volume** 0.1 mL, 9999.9 mL

**Programmable Bolus** 0.1 mL or 0.1 mg, or 1 mcg

**Net Weight** 17 oz.

**Power Requirements** 90-260 VAC adapters, two AA disposable alkaline batteries, rechargeable battery pack

**Memory Protection** Current program and 925 event history log protected by internal battery-backed memory for at least one year after power is removed.

**Protective Features** Red LED marked with alarm icon lights during alarm conditions, real time clock, built-in start-up diagnostic test, built-in continuous motor speed and air detection diagnosis, aluminum shell provides better electromagnetic protection, rubber bumpers provide better shock resistance, sealed casing and keypad prevent fluid ingress.

**List No. 13092** GemStar™ SP Infusion System Application: GemStar™ SP is designed to provide integral safety at the point of care. GemStar™ SP Infusion Suite Software is a stand alone PC based workstation product that will be used to support safe and efficient caregiver administration of medications at the point of care. The primary feature set of the Safety Suite Software includes the ability to create, configure and download device-specific configurations and hospital-defined protocols (25) directly to GemStar® devices for recall at the point of care to ensure that hospitals' best clinical practices are supported.

List No.	Description	Case Size
<b>GemStar® Pump – Accessories</b>		
<b>Lockboxes:</b>		
13103-01	GemStar® Lockbox – 150 mL bottle or flexible container	1
13104-01	GemStar® Lockbox – 250 mL flexible container	1
13105-01	GemStar® Lockbox – 500 mL flexible container	1
20706-01	Spring Assisted Mechanism (SAM) Lockbox – Hospira Prefilled Vials Only	1
<b>Pole Clamps:</b>		
13076-01	GemStar® Non-locking Pole Clamp	1
20707-01	GemStar® Locking Pole Clamp	1
<b>Carrying Cases:</b>		
13594-01	250 mL Carrying Case	1
13079-01	500 mL Carrying Case	1
13980-01	1000 mL Carrying Case	1
13593-01	3 Liter Carrying Case	1
<b>Cords and Power Supplies:</b>		
13027-01	GemStar® Bolus Cord	1
13026-01	GemStar® AC adapter – 6 ft.	1
13072-01	GemStar® Adapter – Universal, 14 ft. (two piece)	1
13073-03	GemStar® Rechargeable Battery Pack	1
13075-03	GemStar® Docking Station	1
13078-01	GemStar® Serial Printer Data Cable	1

# GemStar® Sets

## GemStar® General Sets

List No. **13267-01**

LifeShield® GemStar® Primary I.V. Piggyback Set for General Infusion – with convertible piercing pin, slide clamp, backcheck valve, 2 CLAVE® injection Y-sites, cassette, CAIR® clamp, male adapter Secure Lock and attached pressure-activated anti-siphon valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	15	16	0.100"	24

List No. **13272-01**

LifeShield® GemStar® Microdrip® SoluSet® – with convertible piercing pin, upper slide clamp, bacterial retentive air filter with slide clamp, 150 mL burette with CLAVE® port, drip chamber, cassette, CAIR® clamp, 2 CLAVE® injection Y-sites, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	60	11	0.054"	24

List No. **13274-01**

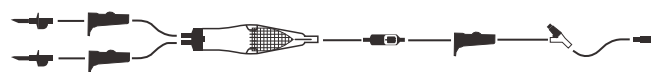
LifeShield® GemStar® Piggyback I.V. Pump Set for General Infusion – with convertible piercing pin, 2 slide clamps, backcheck valve, 3 CLAVE® injection Y-sites, cassette, CAIR® clamp, 0.2 micron filter, male adapter Secure Lock and attached pressure-activated anti-siphon valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	15	19 mL	0.100"	24

List No. **13244-01**

LifeShield® GemStar® Y-Type Blood I.V. Pump Set – with nonvented piercing pins, 2 upper CAIR® clamps, drip chamber with 210 micron blood filter, cassette, lower CAIR® clamp, CLAVE® injection Y-site and Option-Lok®. Latex-Free.

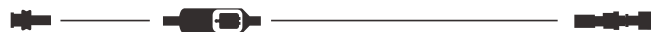


Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	10	44	0.100"	24

## GemStar® Ambulatory

List No. **13738-01**

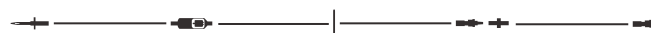
GemStar® Extension Pump I.V. Set – with female luer lock adapter, cassette, male adapter Secure Lock and anti-siphon valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
16" (41cm)	—	1.1	0.054"	24

List No. **13263-01**

GemStar® Primary I.V. Set – with nonvented piercing pin, cassette, slide clamp, and extension set with in-line pressure-activated anti-siphon valve and male adapter Secure Lock. Microbore tubing. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244 cm)	—	4.5	0.054"	24



List No. **13265-01**

LifeShield® GemStar® Primary I.V. Set – with non-DEHP tubing, nonvented piercing pin, cassette, 1.2 micron filter, slide clamp, pre-pierced injection Y-site, male adapter Secure Lock and attached pressure-activated anti-siphon valve. Microbore tubing. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244cm)	–	7.1	0.054"	24

List No. **13273-01**

GemStar® I.V. Pump Set for Ambulatory Infusion – with nonvented piercing pin, cassette, slide clamp, male adapter Secure Lock and attached pressure-activated anti-siphon valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244 cm)	–	4.6	0.054"	24

List No. **14692-28**

GemStar® Pump I.V. Set – with non-DEHP tubing, non-vented piercing pin, cassette, slide clamp, male adapter Secure Lock and attached pressure-activated anti-siphon valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244 cm)	–	4	0.054"	24

List No. **13264-05**

LifeShield® GemStar® I.V. Pump Set for Ambulatory Infusion – with nonvented piercing pin, cassette, 0.2 micron filter, slide clamp, prepierced injection Y-site, male adapter Secure Lock and attached pressure-activated anti-siphon valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244 cm)	–	7.4	0.054"	24

List No. **13612-01**

LifeShield® GemStar® Primary I.V. Pump Set – with orange polyethylene-lined light-resistant tubing, nonvented piercing pin, cassette, connector, slide clamp, CLAVE® injection Y-Site, male adapter Secure Lock and anti-siphon valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244 cm)	–	3.1	0.043"	24

List No. **13265-05**

LifeShield® GemStar® I.V. Pump Set for Ambulatory Infusion – with non-DEHP tubing, nonvented piercing pin, cassette, 1.2 micron filter, slide clamp, prepierced injection Y-site, male adapter Secure Lock with attached pressure-activated anti-siphon valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244 cm)	–	7.1	0.054"	24

# GemStar® Sets

## GemStar® Set Ambulatory

List No. **13737-01**

LifeShield® GemStar® Primary I.V. Set – with non-DEHP tubing, non-vented piercing pin, cassette, 1.2 micron filter, slide clamp, CLAVE® injection Y-site, male adapter Secure Lock and attached pressure-activated anti-siphon valve. Microbore tubing. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244cm)	—	7	0.054"	24

## GemStar® Pain Management

List No. **20635-01**

GemStar® I.V. Pump Set for Pain Management – with yellow striped tubing, convertible piercing pin, cassette, slide clamp, male adapter Secure Lock and attached pressure-activated anti-siphon valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
95" (241 cm)	—	4.2	0.054"	24

List No. **20634-01**

GemStar® Primary I.V. Pump Set – with orange polyethylene-lined light-resistant tubing, 3-inch segment of clear PVC tubing, nonvented piercing pin, cassette, 0.2 micron filter, slide clamp, CLAVE® injection Y-site and male adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244 cm)	—	6	0.054"	24

List No. **13045-01**

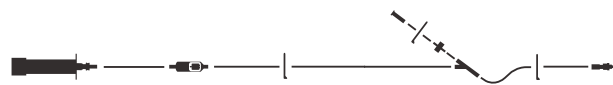
GemStar® I.V. Pump Set for pain management – with PCA injector, cassette, slide clamp, integral pressure-activated anti-siphon valve and male adapter Secure Lock. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244 cm)	—	4.2	0.054"	24

List No. **13047-01**

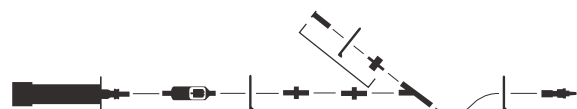
GemStar® I.V. Pump Set – with injector, cassette, 2 slide clamps, pressure-activated anti-siphon valve, male adapter Secure Lock, Y-extension with slide clamp and backcheck valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
96" (244 cm)	—	4.9	0.054"	24

List No. **20705-01**

GemStar® Pump I.V. Set – with injector, female adapter, cassette, 2 slide clamps, 2 in-line pressure-activated anti-siphon valves and male adapter Secure Lock and Y-extension with backcheck valve. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
97" (246 cm)	—	4.8	0.054"	24

List No. **20636-01**

GemStar® Primary Pump I.V. Set – with yellow striped tubing, convertible piercing pin, cassette, 0.2 micron filter, slide clamp and Secure Lock male adapter with anti-siphon valve. Microbore tubing. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
98" (249 cm)	–	4.9	0.054"	24

List No. **20704-01**

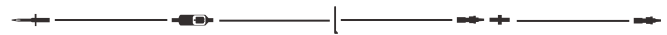
GemStar® Pump I.V. Set – with injector, cassette, slide clamp, 2 in-line pressure-activated anti-siphon valves and male adapter Secure Lock. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
99" (251 cm)	–	4.1	0.054"	24

List No. **13261-01**

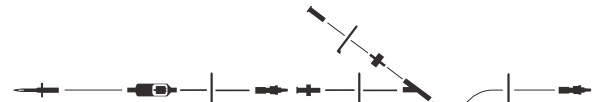
GemStar® I.V. Pump Set for Epidural Pain Management – with yellow striped tubing, nonvented piercing pin, cassette, slide clamp, male adapter Secure Lock and extension set with in-line pressure-activated anti-siphon valve and Secure Lock. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	–	5	0.054"	24

List No. **12640-01**

GemStar® Pump I.V. Set – with extension set, nonvented piercing pin, cassette, slide clamp, male adapter with Secure Lock, extension set with anti-siphon valve and 2 slide clamps, Secure Lock, Y-extension with backcheck valve, slide clamp and female adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (280 cm)	–	5.4	0.054"	24

# LifeCare PCA® Infusion System



The LifeCare PCA® Infusion System is designed for safe, effective analgesic delivery to patients through the intravenous or epidural routes in a wide variety of clinical settings, including ICU, CCU, SICU, trauma, orthopedic, bone marrow transplant centers, burn units, oncology centers and medical/surgical floors. The system utilizes prefilled vials or sterile empty vials that can be custom-filled in the pharmacy.

The flexibility of the device allows hospitals to configure the device to match clinical needs.

The LifeCare PCA® Infusion System allows patients to self-administer analgesia, safely and effectively within clinician programmed limits and/or hospital-defined medication limits through Hospira MedNet® software. The primary safety features include the bar code reader that is designed to enhance patient safety and automate drug identification and concentration. The system allows the device to recognize pharmacy-generated bar codes and apply hospital-defined medication limits through Hospira MedNet® software. The LifeCare PCA® Infusion System communicates wirelessly with Hospira MedNet® software, allowing customers to gather infusion data remotely. Hospira MedNet® reports can be helpful in promoting quality of care as well as enhancing productivity. The system requires the users to select an entry from the drug library for all delivery programs assuring clinical compliance.

**List No. 20709** LifeCare PCA®

**List No. 12384** LifeCare PCA® 3

**List No. 1950** LifeCare PCA® Plus II

**Note:** All PCA® sets and vials remain compatible with PCA 3 (List No. 12384) and PCA Plus II (List No. 1950) Pumps.

**Delivery Rates** Delivery rate parameters vary depending on mode chosen, drug and concentration selected. Refer to the System Operating Manual for specific details.

PCA Mode: Approximately 1 mL in 35 seconds

Continuous Mode: Variable from 0.1 x concentration (mg/hr or µg/hr) to 20 x concentration (mg/hr or µg/hr)

PCA + Continuous: Variable from 0.1 x concentration (mg/hr or µg/hr) to 20 x concentration (mg/hr or µg/hr), + PCA dose (mg)

**Lockout Interval Range** 5 to 120 minutes in 1-minute increments

**Maximum Infusion Pressure** 45 psig

**Occlusion Alarm Pressure** 15 psig ± 5 psig

**Power Requirements** AC and battery backup

**Battery Life** Approximately 4 hours

**System Alarm** Empty Syringe, Door Open, Infuser Paused, Low Battery, Dead Battery, Bar Code Not Read, Check Settings, Occlusion, Check Syringe, Check Vial, Check Injector II: Check Vial, Check Injector, Check Syringe, Empty Syringe, Check Settings, Check 4-hr. Limit, Door Open, Occlusion, Infuser in Reset, Low Battery, Malfunction

**System Alarms** Cassette Unlocked, Air-in-Line/Upstream Occlusion, Occlusion in Patient Line, Possible Empty Container, Low Battery, Possible Faulty Cassette, Pump Failure/Service Required

## LifeCare PCA® Infusion System — Accessories

List No.

Description

**12406-01** LifeCare PCA® 3 Printer Kit (printer cable, printer paper)

**12406-13** LifeCare PCA® 3 Printer Cable (not compatible with PCA Plus II)

## Prefilled & Empty Vials, Injector & Transfer Set

NDC / List No.	Size	Container	Case Size
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Note: All PCA Vials feature bar code technology compatible with the LifeCare PCA® and PCA® 3 Pumps

### Meperidine Hydrochloride Injection, USP Ⓢ, for use with PCA, 10 mg/mL

<b>0409-6030-04</b>	30 mL	PCA vial, without injector (Latex-Free)	5 x 10
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### Morphine Sulfate Injection, USP Ⓢ, for PCA use (Preservative-Free, contains no antioxidant or antimicrobial agents), 0.5 mg/mL

<b>0409-2028-02</b>	30 mL	PCA vial, without injector (Latex-Free)	5 x 10
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### Morphine Sulfate Injection, USP Ⓢ, for PCA use (Preservative-Free, contains no antioxidant or antimicrobial agents), 1 mg/mL

<b>0409-2029-02</b>	30 mL	PCA vial, without injector (Latex-Free)	5 x 10
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### Morphine Sulfate Injection, USP Ⓢ, (5 mg/mL) (for PCA use) (Preservative-Free, contains no antioxidant or antimicrobial agents)

<b>0409-6028-04</b>	150 mg/30 mL	PCA Vial, without injector (Latex-Free)	5 x 10
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### PCA Injector

<b>4831-04</b>	—	—	48
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### Pharmacy Additive Transfer Set with stopcock and convertible piercing pin

<b>3972-01</b>	—	without injector (Latex-Free)	10
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### Sterile Empty Vial and Injector

<b>6021-03</b>	30 mL	PCA vial, with injector (Latex-Free)	25
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### PCA Yellow Vial Cap

<b>19361-64-01-01</b>	—	—	20 x 25
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# LifeCare PCA® Sets

## PCA Primary Sets

List No. **6514-01**

PCA Extension Set – with female adapter, backcheck valve, 2 slide clamps, Y-site with female adapter and Option-Lok®. Low priming volume. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
10" (25 cm)	–	1.1	0.054"	50

List No. **3559-03**

PCA Set, Mini-Bore – with pressure-activated anti-siphon valve, slide clamp, Y-type extension with female adapter, backcheck valve, slide clamp and Option-Lok®. Low priming volume. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
67" (170 cm)	–	2.3	0.033"	24

List No. **6517-03**

PCA Continuous Infusion Set Mini-Bore – with injector, integral anti-siphon valve, slide clamp and Option-Lok®. Low priming volume. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
80" (203 cm)	–	1.5	0.033"	24

List No. **6516-03**

PCA Set-Long – with injector, mini-bore with injector, in-line pressure-activated anti-siphon valve, slide clamp, Y-site with female adapter, backcheck valve and slide clamp and Option-Lok®. Low priming volume. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
86" (218 cm)	–	2.6	0.033"	24

# Omni-Flow 4000® Plus Pump



The Omni-Flow 4000® Plus pump is a programmable medication system designed to deliver up to four separate medications with a single infusion device and single administration set.

This variable pressure pump offers a wide range of flexibility for infusing intravenous medications. System features include the capability to infuse up to four medications, either continuously or intermittently, in any combination. The system can infuse medications from multiple dose containers, with the pump programmed to start and stop automatically at regular intervals. The pump can also infuse intermittent single or multiple dose concentrated medications from syringes and automatically dilute or flush the medication with a neutral solution from Line A. The device automatically eliminates air from the cassette by clearing it into a collection bag attached to the administration set.

**List No. 40051** Omni-Flow 4000® Plus

**NOTE:** All Omni-Flow® sets remain compatible with Omni-Flow 4000® device (List No. 40050)

**Rate Range** 1 mL to 100 mL/hr in increments of 0.1 mL/hr up to 100 mL, then in 1 mL/hr increments from 100 to 700 mL/hr (600 mL/hr max. for 3 to 4 lines; 500 mL/hr max for single line with syringe)

**Container Volume & Dose Limit Range** 1 mL to 3000 mL in 0.1 mL/hr increments up to 100 mL, then in 1 mL increments from 100 to 3000 mL

**KVO Rate** Preset at 1 mL/hr. Selectable from 1 mL to 99.9 mL/hr

**Occlusion Pressure** Preset at 10 psi. Selectable from 1 to 12 psi

**Net Weight** 13.25 lbs

**Power Requirements** AC and battery backup

**Battery Life** Approximately 5 hours at 125 mL/hr

**System Alarms** Cassette Unlocked, Air-in-Line/Upstream Occlusion, Occlusion in Patient Line, Possible Empty Container, Low Battery, Possible Faulty Cassette, Pump Failure/Service Required

## Omni-Flow 4000® – Printer & Accessories

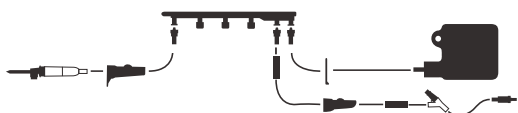
List No.	Description	List No.	Description
<del>40017-01</del>	<del>Printer, Seiko, DPU414</del>	<b>40518-23</b>	Omni-Flow® Printer Cable
<b>40518-12</b>	Omni-Flow® Printer Paper		

# Omni-Flow 4000® Plus Sets

## Omni-Flow® Primary CLAVE®

List No. **12566-01**

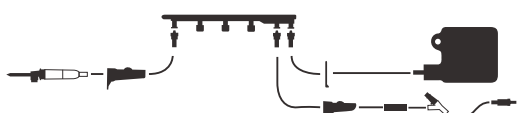
LifeShield® Omni-Flow® Primary I.V. pump set – with distal microbe patient line, convertible piercing pin, drip chamber, upper CAIR clamp, cassette, slide clamp and collection bag, 2 pressure-activated anti-siphon valves, lower roller clamp, CLAVE® injection Y-site and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
72" (183 cm)	—	4.6	0.054"/0.100"	24

List No. **12162-01**

LifeShield® Omni-Flow® Primary I.V. Pump Set – with distal microbore patient line, convertible piercing pin, drip chamber, CAIR® clamp, cassette, slide clamp, collection bag, roller clamp, pressure activated anti-siphon valve, CLAVE® injection Y-site and Option-Lok®.




Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
109" (279 cm)	15	5.7	0.054"/0.100"	24

## Omni-Flow® Primary Prepierced

List No. **12160-01**

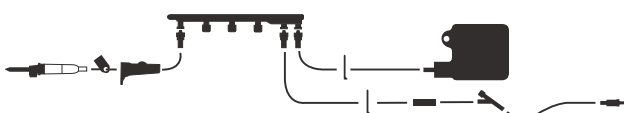
LifeShield® Omni-Flow® Primary I.V. Pump Set – with distal microbore patient line, convertible piercing pin, upper CAIR® clamp, cassette, slide clamp, collection bag, lower roller clamp, gravity flow prevention valve, prepierced reseal injection site Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	15	4.6	0.100"/0.054"	24

List No. **12161-01**

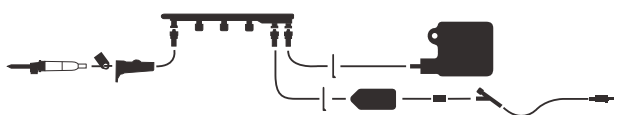
LifeShield® Omni-Flow® Primary I.V. Pump Set – with distal Microbore patient line, orange polyethylene-lined/light-resistant tubing with convertible piercing pin, CAIR clamp, cassette, slide clamp, collection bag, slide clamp, gravity flow prevention valve, prepierced reseal injection site and Option-Lok.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	15	4.6	0.100"/0.043"	24

List No. **12163-01**

LifeShield® Omni-Flow® Primary I.V. Pump Set – with distal microbore patient line, orange polyethylene-lined/light-resistant tubing with convertible piercing pin, CAIR® clamp, cassette, slide clamp with collection bag, upper slide clamp, 0.2 micron filter, gravity flow prevention valve, prepierced reseal injection site and Option-Lok®. Latex-Free.

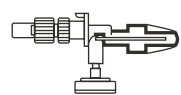


Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
110" (279 cm)	15	6.7	0.100"/0.043"	24

## Omni-Flow® Secondary & Other Accessories

List No. **11986-48**

Vented Syringe Adapter. Non-DEHP. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	0.35	—	48



# Omni-Flow 4000® Plus Sets

List No. **40055-48**

ColorGard® Stopcock Three-Way Stopcock – with male locking luer adapter, yellow handle and locking collar. For syringe attachment or any sterile connection. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	—	—	48

List No. **11183-01**

Replacement Collection Bag for use with Omni-Flow® Medication Management System – with slide clamp and male luer lock adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	12	0.120"	100

List No. **11140-58**

Midlength Secondary I.V. Pump Set – with orange polyethylene-lined light-resistant tubing, low absorption, convertible piercing pin, drip chamber, CAIR® clamp and male adapter luer lock. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
40" (102 cm)	15	8	0.100"	48

List No. **11181-05**

Midlength Secondary I.V. Set – with convertible piercing pin, upper drip chamber, 0.2 micron filter, lower drip chamber and extension with drip chamber vent and slide clamp CAIR® clamp and male luer lock adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
40" (102 cm)	15	12.6	0.100"	50

List No. **11831-48**

Midlength Secondary I.V. Pump Set – with polyethylene-lined tubing, convertible piercing pin, drip chamber, 0.2 micron filter, slide clamp and male luer adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
40" (102 cm)	15	10.3	0.100"	48

List No. **1736-58**

~~Omni-Flow® Nitroglycerin Microbore I.V. Set – with polyethylene-lined tubing, 2 Secure Locks and slide clamp. Latex-Free. Sterile Pack.~~



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
60" (152 cm)	—	3	0.054"	48

# Omni-Flow 4000® Plus Sets

## Omni-Flow® Secondary & Other Accessories

List No. **11607-01**

Gravity Flow Prevention Valve. Latex-Free.

Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
—	—	—	—	128

## Omni-Flow® Specialty

List No. **1139-48**

Midlength Secondary I.V. Set — with extension hook, convertible piercing pin, drip chamber, CAIR® clamp and male luer adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
40" (102 cm)	15	8	0.100"	48

List No. **40521-48**

ColorGard® Midlength Secondary I.V. Set — with orange striped tubing, convertible piercing pin, drip chamber, CAIR® clamp and male luer adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
40" (102 cm)	15	8	0.100"	48

List No. **40522-48**

ColorGard® Midlength Secondary I.V. Set — with green striped tubing, convertible piercing pin, drip chamber, CAIR® clamp and male luer adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
40" (102 cm)	15	8	0.100"	48

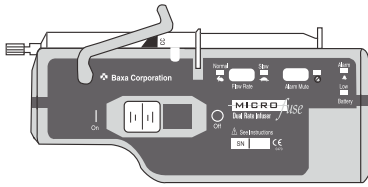
List No. **40524-48**

ColorGard® Midlength Secondary I.V. Set — with purple striped tubing, convertible piercing pin, drip chamber, CAIR® clamp and male luer adapter. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
40" (102 cm)	15	8	0.100"	48

# MICROfuse™ – Dual-Rate Infuser



The MICROfuse™ Dual-Rate Infuser is an economical intermittent syringe infusion system. The system is easy to understand, operate and implement. This versatile fixed dual-rate syringe infuser delivers antibiotics, antiemetics, aminoglycosides, steroids, H2 antagonists and diuretics. Fluid volumes range from 5 to 105 mL at delivery interval ranges from 20 to 120 minutes. The MICROfuse™ Infuser uses standard syringes.

**List No.** 12144

**Delivery Rates** 20 to 120 minutes

**Fluid Volumes** 5 to 105 mL

**For Use With:** B-D™, Monoject™, Terumo™, syringes 5 mL to 140 mL

**Net Weight** 25 oz. (with battery)

**Power Requirements** Two C-cell, alkaline only

**Battery Life** 400 hours of operation typical; 10 hours typical when low battery is indicated

**System Alarms** Occlusion; end of infusion; low battery; various internal checks and required maintenance; internal malfunction


**Warranty** 12-month manufacturer contract.  
800-567-BAXA (2292)

# MICROfuse™ – Dual-Rate Infuser Sets

## MICROfuse™ Dual-Rate Infuser Sets

List No. **14701-58**


Macrobre Extension Set – with non-DEHP tubing, female adapter with luer lock, slide clamp and Option-Lok®. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
20" (51 cm)	–	2.5	0.100"	120

List No. **14696-58**

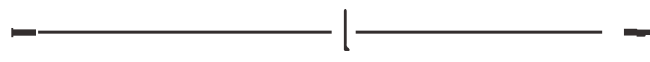
Macrobre Extension Set – with non-DEHP tubing, winged female adapter with luer lock, slide clamp and male luer adapter. For use with syringe pumps. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
29" (74 cm)	–	0.3	0.020"	50

List No. **1738-02**


Minibore Extension Set – with female adapter, slide clamp and spin lock collar; low priming volume. For use with syringe pumps. Latex-Free. Sterile Pack.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
36" (91 cm)	–	0.2	0.020"	48

List No. **12250-58**


Minibore Extension Set – with female adapter, slide clamp and spin lock collar; low priming volume. For use with syringe pumps. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
36" (91 cm)	–	0.2	0.020"	48

List No. **14699-58**

Minibore Extension Set – with non-DEHP tubing, winged female adapter with luer lock, slide clamp and male luer lock. For use with syringe pumps. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
59" (150 cm)	–	0.4	0.020"	50

# MICROfuse™ – Dual-Rate Infuser Sets

List No. **1739-02**

Minibore Extension Set 60 – with slide clamp and spin lock collar; low priming volume. For use with syringe pumps. Latex-Free. Sterile Pack.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
61" (152 cm)	—	0.4	0.020"	48

List No. **12249-58**

Minibore Extension Set – with female adapter, slide clamp and male adapter locking spin collar; low priming volume. For use with syringe pumps. Latex-Free.



Nominal Length	Drops/mL	Approx. Priming Capacity (mL)	Tubing I.D.	Case Size
61" (152 cm)	—	0.4	0.020"	48

# ACCLAIM Encore™ Infusion System



The ACCLAIM Encore™ Infusion System is a peristaltic pump that utilizes standard Hospira gravity sets. The pump is a simple, easy-to-use, standard tubing device. This device can be used across the healthcare continuum in the hospital and alternate site areas, including the home care environment.

The ACCLAIM Encore™ pump offers the option of delivering primary and secondary piggyback infusions. It offers the clinician the ability to program secondary therapies in the traditional rate/volume mode or to calculate the delivery rate using the time/volume mode. The ACCLAIM Encore™ features mcg/kg/min dosing with on-board dosing calculation capability. The pump also features a TPN key for nutritional therapy, enabling the clinician to program a taper up or taper down therapy.

**List No. 12237** ACCLAIM Encore™ Infusion System

**Dimensions** Approx. 8.25" h x 7" w x 5.74" d (excluding pole clamp)

**Weight** Approx. 7 lbs. (with battery)

**Operating Controls** Touch Key Pad: numeric keys for data entry and operating keys (9) for programming

**Display** LCD display with backlighting active during programming and alarms

**Power Source** Standard AC Power: 100 to 130 VAC, 47/63 Hz, less than 35w, 8-volt sealed lead-acid battery, internal to the device

**Battery Life** A fully-charged, new battery provides approx. 8 hrs. of operation at 125 mL/hr or 1000 mL volume delivered, whichever occurs first.

**Recharge Time** The battery charges whenever the pump is connected to AC power. Recharge takes approx. 8 hours. Recharge takes longer if the pump is operating.

**Delivery Rates, Primary/Secondary** 1.0 to 99.9 mL/hr (in 0.1 mL increments), 100 to 999 mL/hr (in 1 mL increments)

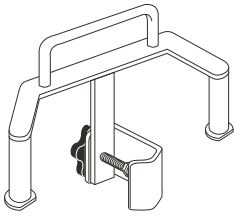
**Delivery Units** Volume/Time: mL/hr; Dose calc: mcg/kg/min and mcg/min; TPN: total time, taper up and taper down

**Programmable Volume/VTBI Range** 0.1 to 99.9 mL (in 0.1 mL increments), 100 to 9999 mL (in mL increments)

**KVO** 1.0 mL/hr

**Distal Occlusion Pressure** 3 Pressure Options—Minimum: approx. 6 psi; Medium: approx. 10 psi; Maximum: approx. 20 psi

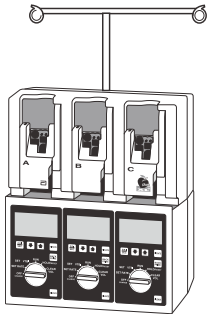
# Equipment Transport System – I.V. Stands & Accessories



## Plum® Universal Tandem Carrier

List No. **12270-01**

The Tandem carrier allows easy placement of 1 or 2 I.V. pumps on any standard I.V. pole. Minimizes bedside clutter and allows easy transport with the built-in handle. The Tandem Carrier is designed to work with the full line of Hospira Pole Mounted Infusion Pumps, including the Plum® XL Family, Plum LifeCare® 5000 (1.6), A+ and ACCLAIM Encore™.



## Plum A+® Mini Pole

List No. **12096-03**

## Plum XL3M® I.V. Minipole

List No. **11868-01**

## Plum® & Plum XL® Minipole

List No. **9295-01**

Optional Mini Pole for Plum® Family Pumps – Add a mini pole to your Plum pumps for additional flexibility. Ideal for transport.

# Equipment Transport System — I.V. Stands & Accessories

## Heavy Duty I.V. Stand and Accessories

Designed for use with Hospira's full line of devices: Plum A+®, Plum A+®3, Symbiq®, LifeCare PCA® and GemStar® Infusion Systems.

### I.V. Pole

List No. **39001-01**

Telescoping stainless steel pole. Total height extends to 105". Stainless steel hooks and cast aluminum base with 75 mm swivel casters (dual ball-bearing raceways and soft neoprene rubber wheels).

### Lily Pad

List No. **39002-01**

Adjustable transport handle.

### Power Pack

List No. **39003-01**

Medical grade, 120 V/60 Hz/15 A 4-outlet all-metal housing (NEMA 5-15 PHG plug output receptacles) with splash guard and 15-ft. AC cord.

### I.V. Pole with Lily Pad

List No. **39004-01**

### ICU Cart

List No. **39005-01**

Accepts four Plum A+®3 and four dual-channel Symbiq® Infusion Systems. With two to six stainless steel adjustable height hooks, power strip, oxygen tank holder and 4" swivel casters.

### Oxygen Tank Bracket

List No. **39006-01**

Features 1.0" height, 4.6" width, 6.4" depth and weighs approximately 1 lb. For tank sizes D and E.

### Multi-Device Adapter

List No. **39007-01**

Includes two T-Bar Accessories (adjustable hooks). Designed to hold six single-channel Plum A+®, LifeCare PCA® and four dual-channel Symbiq® Infusion Systems.

### T-Bar Accessory (2)

List No. **39011-01**

### Table Top I.V. Stand

List No. **11866-01**

I.V. stand accepts one I.V. pump. Ideal for alternate site, home care or short-term I.V. therapy.