



Transport IV Pump Comparison

	Baxter Spectrum V8	Baxter Spectrum IQ	Sapphire Multi-Therapy	B Braun Infusomat Space Large Volume	Nimbus II
Website	https://ecatalog.baxter.com/ecatalog/loadcategory.html?cid=10032&lid=10039&hid=10028&categoryId=41839	https://ecatalog.baxter.com/ecatalog/loadcategory.html?cid=10032&lid=10039&hid=10028&categoryId=41839	https://www.qcore.com/sapphire-multi-therapy	www.bbraunusa.com	www.nimbusems.com
Suitable for Flight	No	Not yet. In progress	Yes, according to manufacture. IEC 60601-1-12	Syringe approved for flight Large Volume pump - unknown	
Operating Temperatures	60-90F / 20-90% RH	60-90F / 0-90% RH	41F-104F	60-105F (30-90% RH)	
Storage Conditions	14-120F / 10-90% RH	14-120F / 10-90% RH	-40F - 158F	-4-131F	
Altitude Limits				500-1060 mbar	
Weight	1.6 lbs w/o pole clamp 2.1 lbs w/ pole clamp	3.2 lbs w/ pole clamp	1.1 lb with battery	3.1 lbs each	6oz
Dimensions	w/o pole clamp - 5.8" H x 4.2" W x 2.5" D w/ pole clamp - 5.8" H x 6.4" W x 4.7" D	With Pole Clamp 7.4"H x 7.7" W x 5.5" D	5.6"H x 3.8"W x 1.9"D	8.4" W x 2.6" H x 4.8" D	4.25"W x 2.28"H x 1.57"D
Battery Indicator	Yes	Yes	Yes	Yes	





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Battery Life	8 Hours at 125ml/hr	5 hours @ 125ml/hr w/ wireless on 8 hours @ 125ml/hr w/ wireless off	24 hours @ 125ml/hr w/ backlight off Optional add on battery pack 6AA -	8-10 hours	240 hours or 1500ml Lifetime on battery. If plugged in it doesn't draw from battery / fluid limit.
Infusion rates (low/high)	0.5 - 999ml/hr Minimum rate fo 0.5ml/hr may make it difficult to run certain pediatric infusions depending on your guidelines.	0.5 - 999ml/hr Minimum rate fo 0.5ml/hr may make it difficult to run certain pediatric infusions depending on your guidelines.	0.1-999ml/hr increments fo 0.1ml/hr	0.1 - 1200ml/hr	1 ml/hr - 250ml/hr VTBI up to 1500ml
Accuracy	0.5-1.9ml/hr ± 0.1ml/hr 2 - 999 ml/hr ± 5%	0.5-1.9ml/hr ± 0.1ml/hr 2 - 999 ml/hr ± 5%	±2.5% across all rates (subject to external conditions rate, bag position, humidity, temp)???	±5%	±5%
Suitable for Blood	Yes.	Yes	Yes, there's blood tubing specific for pump.	Yes	
Half set available	Unknown (I don't believe so)	Unknown (I don't believe so)	Soon	Yes	Yes





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Mounting Options	Rotating IV Pole Clamp Tandem & Triple Mount Carrier for IV Pple HillAero also has mount available	3 pump horizontal carrier 4 pump horizontal & vertical carrier 6 pump vertical carrier HillAero also has mount available	Yes HillAero also has mount available Ferno mount	Pole clamp HillAero	Bag
Charging Options	AC Adapter	AC Adapter	AC Adapter	AC Adapter Combi Cable allows three pumps to be charged from one plug.	AC/DC Micro USB Non-rechargeable Internal battery Replaceable Li-Ion Battery
Carrier Options	Metal carrier for 3 pumps	Metal carrier for 3 pumps	Triple carrier / Strap (used with External Battery Pack)	Pumps stackable. Pole clamp has carrier handle on top.	
Pump Life Expectancy	7-10 years	7-10 years	7 years	7-8 years	1 year
Maintenance Interval	Annual PM	Annual PM	Annual Cert. - Can be done in house. Approx. \$5 per pump.	2 year maintenance interval (PM q 2)	Pump replaced every year
Battery Life Expectancy	? Li Ion (depends on usage / temp / number of charges)	? Li Ion (depends on usage / temp / number of charges)	2 years / 500 charging cycles	Don't typically need replace batteries.	250hrs / 1500ml





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Can pump pull from syringe	Unknown	Unknown	Up to 60cc syringe with half set	Optional syringe pump.	
Programability	Self	Self	Self / Unique Drug Profiles make setting up infusion very configurable	Self "Space Online Suite"	
Drug library variables	Lots	Lots / Up to 5 variables per drug / 5 concentrations per drug	Lots	Lots.	Weight based and Continuous
Number of Drug Library Line Items	5000	5000	Thousands	1200 drug names is up to 10 different concentrations per drug	12
Safety Features	Tall Man Lettering / Soft Limits / Hard Limits / Bolus Limits	Tall Man Lettering / Able to wireless communicate with hospital eMAR for programming	Approved for Air and Ground according to manufactures website. Hard and Soft Limits	Hard and Soft limits Can set limits for Rate and Doserate	Hard limits
Online Learning Option	Yes	Yes	Yes		
Cost for BioMed / User Training	Done in house. No PM training available. Service Manual explaining PM process provided.	Done in house. No PM training available. Service Manual explaining PM process provided.	In house / Service depot	PM company in areas that can service Medical Specialty Distributors can service	Pump replaced yearly with new software. There is an optional "Multi-Year price protection contract"





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Warranty	1 year	1 year	2 years	1 years w/ option to extend	1 year
Tubing Cost	Full Sets ~ \$225 for case of 48. Half sets - ?			~\$4 each	~ \$9 each
Pump Cost / Availability	<p>\$2500 new / \$2300 Refurbished.</p> <p>New units not currently available for purchase. Refurbished units available. Also offers a rental plan.</p> <p>Training, Drug Library Software, and 1 data cable included with purchase.</p> <p>Lead time 2-3 weeks</p>	<p>\$2700 / unit</p> <p>Training, Drug Library Software, and 1 data cable included with purchase.</p> <p>Lead time 2-3 weeks</p>	<p>\$2000 reg price</p> <p>\$1750/unit w/ charging cable and pole clamp (cradle not flight approved). New</p> <p>Ferno mount is extra from 3rd party.</p>	<p>4-6 weeks</p> <p>Backorder several months (Is it for COVID-19 gets priority)</p> <p>Large Volume - \$1950 Syringe Pump - \$2250</p> <p>\$3000 Drug library for up to 20pumps - build library and help load library - \$344 for data cable</p> <p>Combi Cable \$135</p>	<p>\$650-\$700</p> <p>Annually \$40 credit</p> <p>Life assist Quad Med BoundTree?</p>

