



SYRU 4004

World's Lightest Syringe Pump

The syringe pump weighs only 1.75Kg making it one of the lightest syringe pumps across the globe.



7VA

Environment Friendly

2.2L

Most Compact Pump

1.75 Kg

Lightest Pump

10 Hrs

Long Battery Backup

IP WITH IPX4 PROTECTION

Made in India. Made for the World.TM

AKAS SYRU 4004



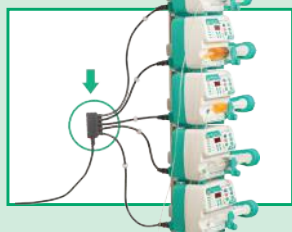
Feather Light



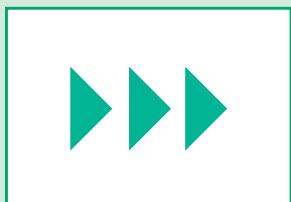
Compact



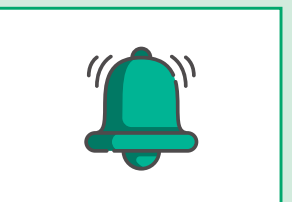
Multi Porting



Uni Power socket



Anti Bolus Function



Safety Alarm

The Syringe Pump for every ICU

PRODUCT ORDERING CODE : PUM PUM SY4004

Manufactured by:



AKAS Medical Equipment
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Specification

Power Supply (VP)	220+/-10% V AC, 50 Hz		
Battery	12V Ni-MH Battery (11.1V LiPo battery Optional)		
Battery Backup	10hrs @ 5ml/hr Flow rate on 50ml Syringe		
Power Consumption	7 VA		
Unipower Supply (Optional)	5 In one power Chord Supply for Stacked pumps		
Applicable Syringe	5ml, 10ml, 20ml, 30/35ml & 50/60ml Syringe from JMS, Braun, Dispovan, BD and Custom Programmable for Any brand of Syringe.		
Automatic Syringe Size Detector : Available			
Custom Programmable Syringe: Available			
Flow Rate Range	IN AC Mode	IN Battery Mode	
	0.1 - 200 ml/Hr	80 ml/Hr	(5ml Syringe)
	0.1 - 300 ml/Hr	110 ml/Hr	(10ml Syringe)
	0.1 - 500 ml/Hr	220 ml/Hr	(20ml Syringe)
	0.1 - 700 ml/Hr	300 ml/Hr	(30ml Syringe)
	0.1 - 1200 ml/Hr	400 ml/Hr	(50ml Syringe)
Infused Volume	0.1 - 999.9 ml		
Target Volume	0.1 to 999.9 ml		
Elapsed Time	Display of Elapsed time from 00:01 to 99:59 hrs		
Modes	Flow Rate only.		
	Flow Rate & Target volume.		
	Flow Rate & Target Time.		
	Target volume and target time		
	High pressure mode		
Bolus	Purge Bolus & Auto Bolus		
Bolus Flow Rate	IN AC Mode	IN Battery Mode	
	10 - 200 ml/Hr	80 ml/Hr	(5ml Syringe)
	10 - 300 ml/Hr	110 ml/Hr	(10ml Syringe)
	10 - 500 ml/Hr	220 ml/Hr	(20ml Syringe)
	10 - 700 ml/Hr	300 ml/Hr	(30ml Syringe)
	10 - 1200 ml/Hr	400 ml/Hr	(50ml Syringe)
Anti Bolus Function	Post occlusion bolus reduction function to avoid accidental bolus delivery after occlusion incident.		
Bolus Volume	0.1ml to 10 ml in 0.1 ml increments		
Dosage Taper Up/ Down (Sequential Mode): Available with 10 different programs			
KVO	0.1 ml/Hr to 9.9ml/Hr in 0.1 ml increment.		
Occlusion Pressure	10 steps selection (OFF to 9 Levels)		
Alarms	TAR.1	Target Volume reached	
	TAR.2	Target time reached	
	END	End of Syringe	
	OCCL	Occlusion	
	OFF	Battery discharged	
	RL 1	Syringe holder disturbed during infusion	
	RL 2	Delivery line disconnected alarm	
	RL 3	Internal Malfunction	
	RL 4	Mains to battery changed, flow rate reduced to 400	
	RL 5	AC Power over limit	
RL 6	Mains Voltage below 215 reduce flowrate <=800ml		
RL 9	Priming not done		
Inline changing of delivery rate	Possible to change the infusion rate without stopping the infusion		
Audio/Visual Indication & Alarms: Target reached (time or volume), End of syringe, Occlusion, Occlusion pre alarm, Battery discharged, Internal Malfunction Priming not done, Near Empty, Battery low, Operation on mains / battery			
Accuracy	Mechanical Accuracy ±1% Including Syringe ± 2%		
Last Infusion data	Save last infusion data even when power on & off		
Alarm LED Brightness	Adjustable 5 levels		
Display	Four 7 segment Display		
Docking Station(Optional)	Dock 4 pumps & Mountable on poles with Single power Supply Chord		
Dimension	170 X107X135 (LxBxH)		
Space Occupied	2.2 ltrs		
Weight	1.75 kg		
Certification	ISO 13485:2016, EUROPEAN CE, CDSCO registered INDIAN Medical Device Manufacturer		
Classification: BF type, class II protection rating, in compliance with IEC /EN 60601-1, Class IIb in compliance with Council Directive 93 /42/EEC			
Operating & storage conditions	Temperature - -10 to 50 degree C Humidity - 15 to 90 % Pressure - 0 to 106 kpa		
Safety Testing	EN 60601-1. EN 60601-1-2, EN 60601-1-6, EN 60601-1-8, EN 60601-2-24		
Optional Pole Clamp: Multifunction Mounting pole clamp for Horizontal/Vertical Pole Mounting			

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Your Nearest Dealer

*Specifications are subject to change without notice