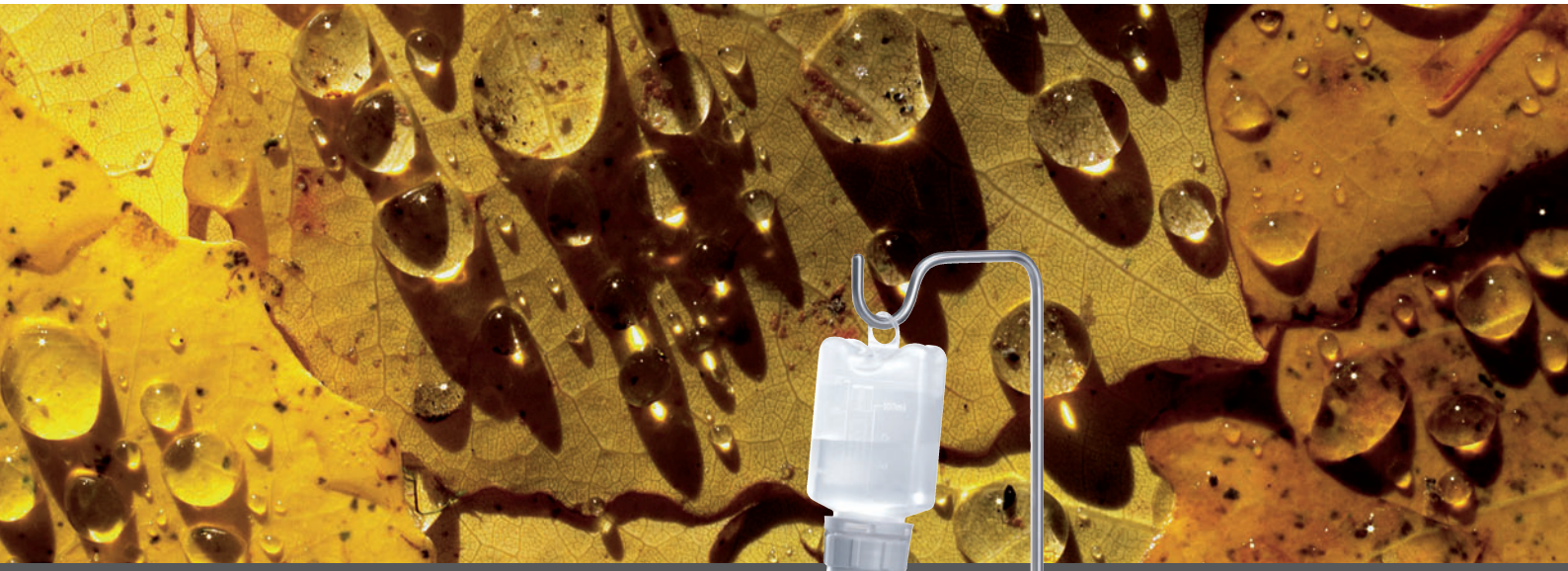
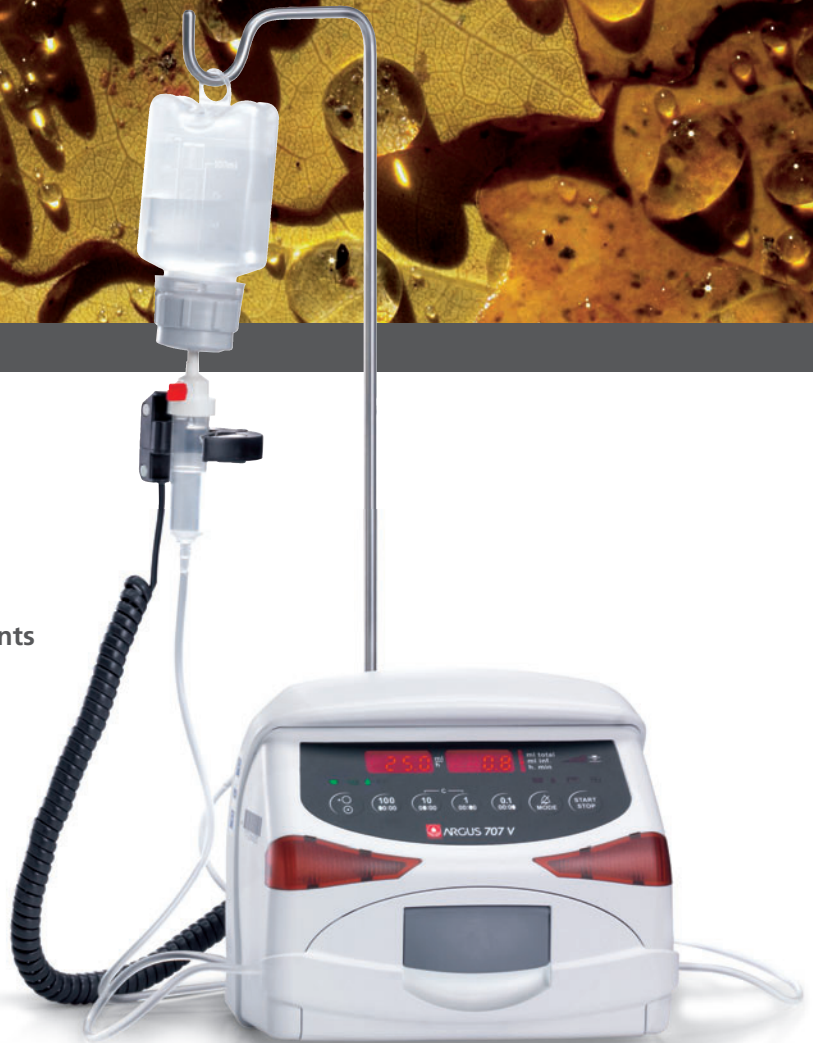


Infusion Pump ARGUS 707 V and 708 V – Technical Data File



- Flexible application
- Intuitive to use
- Safe in every way
- Easily adaptable to therapeutic requirements



Infusion Pump ARGUS 707 V and 708 V

Technical data	Software 4.3X	Remarks
Performance Data		
Special application area	neonatal care, blood transfusion, nutrition	
Infusion rate	0.1 – 999.9 ml/h	in 0.1 ml/h steps
Infusion volume (VTBI)	0.1 – 999.9 ml (plus 1000 – 9999 ml)	in 0.1 ml steps (in 1.0 ml steps)
Infusion time	1 min – 99 h 59 min	in 1 min steps
Programming	rate in ml/h and volume in ml	
Automatic rate calculation	on total volume + time	total volume in ml, time in hours and minutes
Bolus Function	manual or automatic function	
Bolus rate	0.1 – 1200 ml/h	no flow interruption
Bolus volume	0.1 – 999 ml	no flow interruption
Set fill (prime) rate	0.1 – 999 ml/h	
Accuracy	± 5% depending on IV set	technical deviation < 1%
KVO - Keep Vein Open rate	0.1 – 3.0 ml/h	depending on flow rate; deactivation possible
Occlusion pressure	100 – 1000 mbar (mmHg, kPa, cmH ₂ O, Psi)	10 adjustable steps, no flow interruption
History and Interface		
History	400 events saved in real time	graphic illustration with ARGUS <i>service</i> software
Nurse call	connectable to a staff alerting system	24 V / 0.2 A; static or dynamic; potential free change over contact
RS-232 Interface	option: galvanic isolated	connectable to Patient Data Management Systems (PDMS)
Operation		
Display	two big 4-digit LED displays	plus pictograms with LED and LED bar graph; adjustable brightness
Control Panel	4 numeric and 4 function keys	
Menu configurations	by PC	easy to use software tool ARGUS <i>service</i> ; customized configuration on request
Data-lock	all keys are lockable	
IV-Sets	version A707 V: all leading brands version 708 V: dedicated Codan set	configuration of four different sets set with integrated Anti-Free-Flow system
Safety		
Pressure reduction (KVO)	automatic pressure release after occlusion	
Air Bubble Detector	single air bubbles accumulated air bubbles	adjustable between 50 – 1000 µl adjustable between 100 – 2000 µl within 8 – 64 min.
Drop Detector	10 – 65 drops / ml	adjustable, plus for transport use
Alarms	audible and visual	see list below; adjustable volume
Medication library	160 pre-programmed plus 32 user specific	listed and displayed
Power Supply		
Battery	NiMH	maintenance free
Battery operation	5 h @ 25 ml/h	
Battery charge time	16 h	
Mains power supply	230 VAC ±10%, 50 – 60 Hz ;	option: 115 VAC ±10%, 50 – 60 Hz
External power supply	20 VDC / 0.3 A	
Power consumption	12 VA maximum	
Product Specification		
Dimensions	190 x 160 x 130 mm (W x H x D)	excluding clamp
Housing	ASA	high performance plastic
Operating temperature	5° – 40° C	
Medication temperature	18° – 30° C	
Relative humidity	20 – 90% no condensation	
Weight with battery	2.0 kg	
Conformity		
IP-Protection	IPX2	protected against dripping, 15° tilted
Protection class	II	
Applied part	Type CF	
MDD classification	IIb	
Regulations + Electrical Safety	EN 60601 (-1-1 / -1-4 / -2-24)	
Electromagnetic compatibility	EN 61000-3 (-2 / -3), EN60601-1-2	
Certification	CE 0120	CODAN ARGUS AG: ISO 9001, ISO 13485, Directive 93/42/EEC
Optional Accessories		
Docking Stations	A100 for 3 infusion or A60 for 2 infusion pumps (plus combinations with syringe pumps)	version M: interface for barcode, staff alert and data transfer version P: power supply only
Fixation systems	multifunctional clamps	to be used on ceiling pole or standard rail systems
IV-Stand	two pole system with extra stability	allows mounting of one A100 and one A60 docking station
Barcoding	barcode reader and label software	to be used with docking stations A100 M or A60 M
Software	ARGUS <i>fluid</i>	fluid management system

Alarms and pre-alarms: audible and visual

occlusion upstream - downstream / air bubble / drops missing / too many drops / container empty / end of infusion / stand-by / low battery – empty battery / service / technical failure

Display

flow rate / infused volume / volume to be infused / volume balance / infusion time / remaining time / pressure bar graph / battery capacity / occlusion level / medication name

A707 V: Ref.No. 18.1110 (230 VAC) / 18.1111 (115 VAC)
A708 V: Ref.No. 19.1110 (230 VAC) / 19.1111 (115 VAC)

Marketed by

© CODAN ARGUS AG 15.210.B Feb 09 / subject to changes