






PLEUR-EVAC® SAHARA® SERIES AND ATRIUM EXPRESS SERIES

Dry Suction/Dry Seal Feature Comparison Overview



	PLEUR-EVAC SAHARA CHEST DRAINAGE SYSTEM	ATRIUM EXPRESS
	S-1100 Series	4000 Series
Suction	Dry suction to 40 cm of water	
Seal	Dry One way valve protection from atmospheric air with, without fluid. Fluid is for diagnostics only. Patient is at no risk of exposure to atmospheric air after the thoracic catheter is attached to the unit.	
Patient Protection upon Tip Over	One-way valve protects the patient from atmospheric air in any orientation	
Suction ON	Yes	
Suction OFF	Yes	
Fluid Migration upon Tip Over	Drainage can migrate among sections of the collection chamber. Fluid will remain in the unit.	
Suction Source Requirements	6 LPM	20 LPM
Suction Control	Dial	
	 Clicks in place at prescribed level	 Adjustable but does Not click into place
Suction Indicator	Orange float	Bellows
Suction Indicator Active	 Distinct "On/Off" Orange Float only visible when suction has reached prescribed level (pre-set -20 cm)	 Variable bellows. Suction bellows will expand to the ▲ mark or beyond when suction is connected and operating at a regulator setting of -20 cmH ₂ O or higher. If the bellows is expanded but less than ▲ mark, increase the suction source vacuum to -80 mmHg or higher. For regulator settings less than -20 cmH ₂ O, and visible bellows expansion in bellows window will confirm suction operation.
Optional Stop Cock Suction Control	No	Yes
Air Leak Meter	Air leak meter must be filled to detect air leak	
Meter Labeled	 LOW (1) to HIGH (7)	 LOW (1) to HIGH (5)



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	S-1100 Series	4000 Series
Collection Chamber	2000 ml • 2 ml increments up to 200 ml • Over 200 ml calibrations are in 10 ml increments	2100 ml • 1ml increments up to 100 ml, then 2 ml up to 200 ml • Over 200 ml calibrations are in 10 ml increments
Specimen Sampling	Sample Port in patient tube	
Needleless		
Needle	Not recommended	20 gauge needle or smaller
In-Line ATS Bag	YES (S-100-08LF)	Yes (2550)
Capacity	1400 cc gravity	700 cc
Internal Spring	No	Yes
Dedicated filter	Yes 4"	No
Possible to pressure cuff	Yes	No
Suspension	Side	Front
Infant Unit	S-1130-08LF	No
Dual	S-1102-08LF (1000/1000 cc)	4020 (1090/900 cc)
Continuous Reinfusion Models	S-1150-08LF	4050
Rapid Transfer Bag	Yes (S-250-08)	Yes (2450)
Spring	External - can be pressure cuff reinfused	Internal - cannot be pressure cuff reinfused
Capacity	700 cc	700 cc