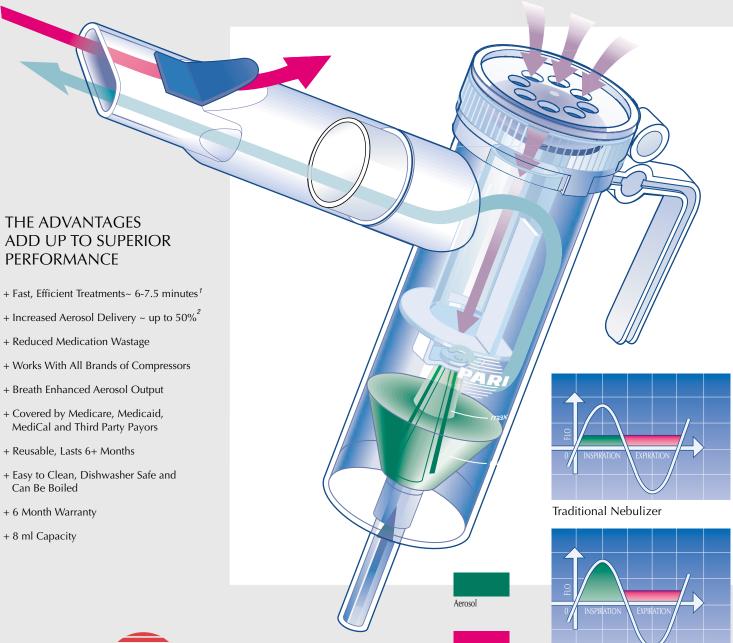
PERFORMANCE THAT'S TRULY INSPIRATIONAL

PARILC PLUS®





Specialists in effective inhalation

LC PLUS® Reusable Nebulizer Performance

PART LC PLOS [*] Reusable Nebulizer Performance					
Compressor or Liter Flow	Total Output Rate	Average Treatment Time	MMAD	Mass % Below 5 microns	Mass % Below 2 microns
PRONEB® ULTRA Compressor	.50 ml/min.	6.0-7.5 min. ¹	3.5 μm	68%	21%
PARI TREK™Compact Compressor	.38 ml/min.	7.0-8.5 min. ¹	4.2 μm	60%	25%
6 lpm Wall Air	.54 ml/min.	5.5-7.0 min.¹	3.2 μm	74%	33%

PARI LC PLUS® Reusable Nebulizer

Aerosol Wasted

¹ Measured with Malvern MasterSizer X at 50% R.H., inspiratory flow 20 l/min., 25° C, fill volume 2.5 ml. Continuous nebulization, real breathing conditions, 0.9% NaCl solution.
² Respiratory and Critical Care Medicine, 165, 8, April 2002, A593.

A COMPARISON OF TWO NEBULIZERS

TRADITIONAL NEBULIZER

Aerosol Delivered

Aerosol Wasted

FUNCTION:

Closed systems: aerosol output is not influenced by inspiratory flow.

Continuous operation: about 50% of the drug is wasted during expiration.



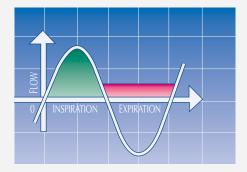
DISADVANTAGES:

- Dilution of aerosol by air entrainment throughout the inspiratory cycle.
- Low output rate, long treatment times.
- High operating pressure and flow (above 6 l/min) required for adequate aerosol delivery.
- More medication is required to achieve the required dose in the lungs.
- Drug delivery cannot be controlled.
- Disposable, designed to last only a few treatments.



Expiration

PARI LC PLUS® REUSABLE NEBULIZER



Aerosol Delivered

Aerosol Wasted

FUNCTION:

Open vent system: aerosol output increases with inspiratory flow.

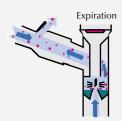
Output rate is controlled by the patient's breathing by means of a valve system during continuous nebulization.



Inspiration

ADVANTAGES:

- + Efficient drug delivery.
- + Increases aerosol delivery, decreases aerosol wastage.
- + Fast Treatment Times
- + No interrupter, no hand-lung coordination required.
- + Reusable, lasts 6-12 months.
- + Can be cleaned in the dishwasher, boiled, or autoclaved.
- + Repeatable performance.







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SIZE 2, 1-3 YEARS PART NO. 44F2402

STZF 3 3+ YFARS PART NO. 44F3301





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