

# QUART HEALTHCARE INC.

## Diamond 8 Plus Low Air Loss Mattress Replacement System



The Diamond 8 Plus mattress replacement system is an alternating "micro" low air loss mattress replacement system that combines the most advanced technology and clinically effective features for the prevention and treatment of pressure ulcers.

With multiple pressure reduction features, simplicity of functional control, quick-disconnect component design, the Diamond 8 Plus Mattress Replacement System effectively manages ulcers and pain.

**New Features**  
**2-hour battery back-up**  
**Auto-Memory**  
**Lock-out feature**

### Micro Low Air loss Technology

Air escapes from 20 laser-cut openings in the centre 10 cells of the mattress. Air is distributed equally under a vapour-permeable, quilted cover that acts to wick moisture away from the individual.

### Deep Cell 3:1 Alternation Therapy

18 independent 8 inch high cells inflate and deflate in a 3:1 cycle, creating maximum support for the individual using 2/3 of the air cells. Cells, in cross section, have a figure "8" design; the bottom half is always inflated and only the top half alternates. In the event of a power failure the bottom half of the cells remain inflated up to 72 hours. 2-hour battery back-up built into control unit.

### Comfort Level

5 soft/firm settings offer easy comfort adjustment and allow the caregiver to fine tune therapeutic support and optimize patient comfort.

### Static Mode

Provides constant low micro air loss and acts as an alternative to the alternation mode.

### Auto Firm

Inflates the mattress with a simple push of a button for installation and nursing care requirements.

### Auto Alarm

Visual and audio alarms in the event of power failure.

### CPR quick-Release Valve

Deflates the torso section in less than 30 seconds in the event of medical emergencies.

### Mattress

Weight Capacity	Up to 650 lbs
Inflated Dimension	36" x 80" x 10" (part # SY-QHI0002-D8P )
Weight	30 lbs
Air Cell Material	Polyurethane
Cover Material	Quilted fabric with polyurethane coating
Base Material	Woven Polyester fabric with PVC backing
Safety Standard	Meets open flame requirements (FCC 16CFR 1633)

### Control Unit

Inflation Time	Under 25 minutes
Functions	Cycle Time (20 min) 5 comfort levels; Auto firm; Static mode CPR Valve, 2-hour battery back-up
Power requirement	110-120 volt, 60Hz, 2 Amp
Size	16.5"(L) x 6.7"(W) x 10.6"(H)
Weight	8.8 lbs
Max. Air-flow	9 lpm
Safety Standard	UL/cUL

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