

**Mark 7<sup>®</sup>**  
AND  
**Mark 7A<sup>®</sup>**  
RESPIRATORS



**BIRD<sup>®</sup>**

# MARK 7® AND MARK 7A® RESPIRATORS

The Bird Mark 7 Series Respirators are pneumatically powered, pressure cycled, flow adjustable devices utilized for the delivery of routine IPPB therapy. They are used to provide short-term or intermittent mechanical ventilation for the purpose of augmenting lung expansion, delivering aerosol medication, and assisting ventilation.

## PRODUCT SPECIFICATIONS

### FEATURES

- Independent flow rate control permits precise regulation of the inspiratory gas flow for flexible individualized patient care.
- Simplified internal circuitry for ease of maintenance and repair.
- Apneustic Flowtime simulates a dynamic (time-cycled) post-inspiratory breath hold for improved PPB therapy. (Mark 7A only)

### PRODUCT SPECIFICATIONS

#### OPERATING RANGES

Inspiratory Pressure . . . . . 5 to 60 cmH2O  
 Pressure Relief (Adjustable) . . . . . Preset at 30 cmH2O  
 Inspiratory Flow rate (Maximum) . . . . . ≥ 68 LPM  
 Starting Effort . . . . . -0.5 to -5.0 cmH2O  
 Expiratory Time . . . . . 0.5 sec to ∞  
 Apneustic Flowtime (Mark 7A only) . . . . . OFF, 0.3 to 3.0 sec  
 Apneustic Flow (Mark 7A only) . . . . . 150 - 200 ml/sec

### PHYSICAL WEIGHTS & DIMENSIONS

**DIMENSIONS**  
 H - 8.5" (22 cm)  
 W - 10.5" (27 cm)  
 D - 6.5" (16 cm)

**WEIGHT** ≈ 6 lbs. (2.8 kg)

**Note:** Specifications are subject to change without notice.

### OPTIONAL ACCESSORIES

| PART NUMBER | DESCRIPTION                                      |
|-------------|--|
| 00010       | 2 Stage Oxygen Cylinder Regulator                |
| 00050       | Pedestal Mount Stand Assembly                    |
| 00133S*     | Therapy Circuit, Positive Pressure Breathing     |
| 02608       | Stand Assembly w/5-leg Base and Mounting Bracket |
| 07189       | Adult Silicone Mask Set                          |
| 07298       | Mainstream Bacterial Filter                      |
| 07340       | Pediatric Silicone Mask Set                      |
| 07024       | Continuous Ventilation Circuit                   |
| 08133U      | Autoclavable Therapy Circuit                     |
| 09024       | Continuous Ventilation Circuit (Autoclavable)    |

\*Recommended Accessory

### SHIPPING INFORMATION

#### DIMENSIONS

| MARK 7  | H           | W           | D           |
|---------|-------------|-------------|-------------|
|         | 14" (36 cm) | 13" (33 cm) | 10" (25 cm) |
| MARK 7A | H           | W           | D           |
|         | 14" (36 cm) | 13" (33 cm) | 10" (25 cm) |

#### WEIGHT

| MARK 7  | Weight                     |
|---------|----------------------------|
|         | 9 lbs (4.1 kg) w/circuit   |
|         | 8 lbs (3.7 kg) w/o circuit |
| MARK 7A | Weight                     |
|         | 10 lbs (4.6 kg) w/circuit  |
|         | 9 lbs (4.1 kg) w/o circuit |

The Mark 7 Respirator features automatic inspiratory nebulization that is independent from the inspiratory flowrate setting. This feature permits optimal aerosol production even when using low inspiratory flowrates. It utilizes all standard patient/ventilator interfaces.

The Mark 7A Respirators features Apneustic Flowtime, a mechanical means of

simulating an inspiratory breath hold for improved distribution and retention of inspired aerosols.

During the time cycled breath hold phase, a low flow of gas is delivered through the nebulizer which delivers a very dense aerosol to the patient. The operator controls the duration of the inspiratory hold during this phase.

### ORDERING INFORMATION

| PART NUMBER | DESCRIPTION  |
|-------------|--|
| 07100       | MARK 7 Respirator, w/therapy circuit (P/N 00133S)                  |
| 07150       | MARK 7A Respirator, w/therapy circuit (P/N 00133S)                 |
| 07100A      | MARK 7 Respiratory Only  |
| 07150A      | MARK 7A Respiratory Only   |
| 07100B      | MARK 7 Respirator, French labeled, w/therapy circuit (P/N 00133S)  |
| 07150B      | MARK 7A Respirator, French labeled, w/therapy circuit (P/N 00133S) |
| 07100G      | MARK 7 Respirator, German labeled, w/therapy circuit (P/N 00133S)  |
| 07150G      | MARK 7A Respirator, German labeled, w/therapy circuit (P/N 00133S) |

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 The Netherlands

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