

Resusci Flow

Technical Data Sheets



1. Performance and Functions

- PIP (Peak Inspiratory Pressure) and PEEP (Positive End Expiratory Pressure) values can be set as required, so even inexperienced staff can deliver effective ventilation.
- A chime sounding every 30 seconds assists the evaluation of heart rate for Neonatal Cardiopulmonary Resuscitation (NCPR). A light comes on for 6 seconds, synchronized with the chime, to allow effective measurement of heart rate. (CPR timer)
- The Resusci Flow supports ventilation using a mask, free flow oxygen delivery, or intratracheal tube.
- With nothing more than a gas supply, it enables ventilation in the labor ward, in operating theater, or even during transport of the infant.

2. Operability

- One touch switches the T-flow valve between inspiration and expiration, making it possible for anyone to provide ventilation.
- The caregiver can choose between two T-flow valve connections, depending on their preferred grip on the face mask.

3. Safety and Sanitation

- PIP (Peak Inspiratory Pressure) value can be set as required, preventing pressure injury to the lungs of the infant receiving ventilation.
- PEEP is maintained at a set pressure to prevent alveolar collapse.
- The airway pressure display on the large manometer on the main panel makes it easy to control the appropriate pressure.
- The P_{MAX} (maximum pressure relief) value can be set as required to limit pressure, preventing incidents caused by incorrect PIP (Peak Inspiratory Pressure) value settings and operational error.

Specifications

Resusci Flow				
Description		Resusci Flow w/ Blender		Resusci Flow
Atom's Code		60363		60362
How to mount the product		Rail Mounting Type		
Appropriate body weight of the patient		10 kg or less The unit is designed to be used for resuscitation of neonates and infants. The required ventilation volume may not be achieved if the unit is used for an infant weighing more than the specified body weight.		
Pressure gauge indication		-2 – 8 kPa (-20 – 80 cmH ₂ O)		
Maximum pressure limit (P _{MAX}) setting range	Pressure	2.0 – 5.9 kPa (20 – 60 cmH ₂ O)		
	Factory default	3.9 kPa (40 cmH ₂ O)		
Peak inspiratory pressure (PIP) setting range (actual measurement)	Flow rate	5 L/min	0.1 – 4.5 kPa (1 – 45 cmH ₂ O)	
		10 L/min	0.2 – 4.5 kPa (2 – 45 cmH ₂ O)	
		15 L/min	0.2 – 5 kPa (2 – 50 cmH ₂ O) *Adjustable pressure varies with the flow rate.	
Positive end-expiratory pressure (PEEP) setting range (actual measurement)	Flow rate	5 L/min	0.3 – 0.8 kPa (3 – 8 cmH ₂ O)	
		10 L/min	0.35 – 1.1 kPa (3.5 – 11 cmH ₂ O)	
		15 L/min	0.5 – 1.3 kPa (5 – 13 cmH ₂ O) *Adjustable pressure varies with the flow rate.	
Gas supply port		—	A tube whose internal diameter is 5 – 6 mm is connected to this port.	
Oxygen concentration range		21 – 100%		—
Accuracy of oxygen concentration		±3% (full scale)		—
Operating oxygen supply pressure		300 – 500 kPa (3 – 5 kgf/cm ²)		—
Operating air supply pressure		300 – 500 kPa (3 – 5 kgf/cm ²)		—
Flow rate range		0 – 15 L/min		—
Differential pressure alarm		An alarm will sound if the difference between the oxygen supply pressure and the air supply pressure becomes 138 kPa (1.4 kgf/cm ²) or more.		—
Bleed flow rate		2.0 – 4.0 L/min *Gas supply pressure: Both oxygen and air 345 kPa (3.5 kgf/cm ²)		—
Dimensions		185(W) x 170(D) x 277(H) mm		150(W) x 183(D) x 184(H) mm
Weight		Approx. 3.8 kg		Approx. 1.2 kg
Operating conditions	Ambient temperature	18 – 40°C		
	Relative humidity	30 – 95%		
Storage conditions	Ambient temperature	-20 – 65°C		
	Relative humidity	10 – 97% (no condensation)		

Accessories

Patient Circuit (with the T Flow Valve and the corrugated tube)	1
Test Bag.....	1
Oxygen Supply Hose (1.2m)	1
Face Mask (for neonates).....	1
Face Mask (for infants).....	1
Piping Connecting Hose (for air) (Resusci Flow w/ Blender).....	1
Piping Connecting Hose (for oxygen) (Resusci Flow w/ Blender).....	1
Operation Manual.....	1

Options & Supplies

Atom's code	Description
60366	CPR Timer
60386	Patient Circuit (5 pcs/box)
60298	Test Bag, 50 mL (5 pcs/pkg)
60145	Face Mask for Neonatal (20 pcs/box)
60146	Face Mask for Infant (20 pcs/box)
60368	Resusci Stand w/ Cylinder Rack (for 2 pcs)
60367	MF-Rail, 26 cm Pole Mounting Type
61616	MF-Rail for F-Rail (Common to Left & Right)
60306	MF-Rail, 7 cm Pole Mounting Type
60369	Basket Rail Mounting Type
61654	Air/Oxygen Blender 2003FL w/ Flowmeter
61655	Bracket for MF-Rail for Air/Oxygen Blender 2003FL
61656	Hose Set for Oxygen for Air/Oxygen Blender 2003FL
61657	Hose Set for High-pressure, 2 m for Air/Oxygen Blender 2003FL
61222	Safety Flow OX-248 (Rail Mounting Type)
60357	Safety Flow OX-240
60351	Hose Set for Oxygen and Air, 2 m
60352	Hose for High-pressure Oxygen, 1 m
60353	Hose for High-pressure Air, 1 m
61226	Pressure Regulator OX-231 for Oxygen Cylinder, Screw Type
61227	Pressure Regulator OX-232 for Air Cylinder, Screw Type

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