

Non-invasive mode

	R-90S	R-80S	R-80B	R-80C
Non-invasive mode	CPAP、Auto CPAP、S、 Auto S、S/T、T	CPAP、Auto CPAP、S、 Auto S、S/T、T	CPAP、S、S/T、T	CPAP、S、S/T、T
Oxygen concentration setting	Off, 21%-100% settable	Off, 21%-100% settable	Off, 21%-100% settable	1
FiO ₂	21%~100% monitorable	21%~100% monitorable	21%~100% monitorable	21%~100% monitorable
IPAP(cmH₂O)	4-50	4~40	4~30	4~30
EPAP(cmH ₂ O)	4~25	4~25	4~25	4~25
Delay time	0 ~ 60 min	0 ~ 60 min	0 ~ 60 min	0 ~ 60 min
Ramp	1-6, 6 adjustable gears	1-6, 6 adjustable gears	1-6, 6 adjustable gears	1-6, 6 adjustable gears
Target tidal volume	100 ~ 2000 mL Off	100 ~ 2000 mL Off	100 ~ 2000 mL Off	100 ~ 2000 mL Off
Ti max	0.3~3s adjustable	0.3~3s adjustable	0.3 ~ 3 s adjustable	0.3~3s adjustable
Ti min	0.1 ~ 3 s adjustable	0.1 ~ 3 s adjustable	0.1 ~ 3 s adjustable	0.1~3 s adjustable
Isens	1-8, 8 adjustable gears	1-8, 8 adjustable gears	1-8, 8 adjustable gears	1-8, 8 adjustable gears
Esens	1-8, 8 adjustable gears	1-8, 8 adjustable gears	1-8, 8 adjustable gears	1-8, 8 adjustable gears
Respiratory rate	3 ~ 60 times/min adjustable	3 ~ 60 times/min adjustable	3 ~ 60 times/min adjustable	3 ~ 60 times/min adjustable
Tubing temperature	Off, 18 \sim 30 $^{\circ}$ C adjustable	Off, 18 \sim 30 $^{\circ}$ adjustable	Off, 18 \sim 30 $^{\circ}\mathrm{C}$ adjustable	Off, 18∼30 °C adjustable
Max. treatment pressure of non-invasive mode	50	40	30	30

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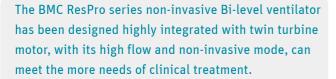


R series

Respiratory Insufficiency Ventilator

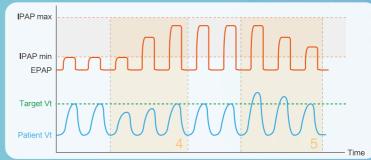
Bi-level non-invasive ventilator with high flow function





- The high flow mode provides a maximum of 80L / min of air/oxygen mixtures, the oxygen concentration setting automatically, and exclusive patented AutoFlow function and SmartFlow function.
- In Bi-level non-invasive mode, the max. IPAP can reach 50cmH₂O and target oxygen concentration can be set. The specifically design of disinfection-free, the backflow prevention valve on humidifier chamber to prevent gas backflow, make the maintenance much more convenient.

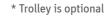
















R Series



High flow mode

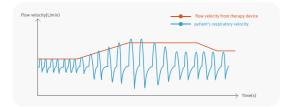
Can set FiO₂, temperature and flow

- Control target oxygen concentration automatically, oxygen delivery in the machine, 21% -100%, accurate to 1%;
 Wall oxygen source, oxygen cylinder, oxygen generator can support it; The built-in ultrasonic oxygen sensor requires no maintenance.
- 9-stage humidification temperature: 29 $^{\circ}$ C -37 $^{\circ}$ C, accurate to 1 $^{\circ}$ C.
- Advanced dual fan design, two levels of HFlow and LFlow, 2 L / min ~ 80 L / min, can meet patients of most ages.
- Innovative 7-level humidity compensation function, providing ± 3 adjustable humidity compensation, easily coping with various harsh temperature and humidity environments

Innovative High Flow model

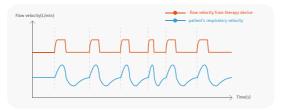
AutoFlow

Automatically set the output flow parameters based on the peak expiratory flow (PEF) of the patient, simplifying the setting steps, satisfying the treatment effect and improving patient comfort (With algorithm diagram)



• SmartFlow

Follow the patient's every breath, switch the flow between breaths, provide a higher flow when inhaling, and a lower flow when exhaling, follow your every breath like a bi-level ventilator, comfortable and more economical oxygen resources. (With algorithm diagram)



Warm standby function designed for convenient use and saving oxygen

• ResPro has a warm standby function, which allows you to continue warm oxygen therapy at any time without turning off the machine for a short time to leave, saving oxygen without having to wait for warm-up time.

More comprehensive monitoring indexes

• Real-time monitoring of Oxygen Concentration, Flow, Temperature, Respiratory Rate, sPEEP

Simple installation and easy setup

• Integration, disinfection-free design, saving clinical use and maintenance time.

ResPro series Bi-level ventilator provides non-invasive and high-flow dual mode, which can be used for patients with spontaneous breathing, including artificial airway respiratory insufficiency, also can be used for patients in hospitals and long-term care institutions.

- The Bi-level non-invasive mode has a target tidal volume and a maximum inspiratory pressure of up to 50 cmH₂O.
- High flow mode delivers a flow range 2 ~ 80 L / min, and the FiO₂ can also be set and adjusted automatically.

Optional accessories





Recommended flow and range for high flow oxygen therapy

The following table lists the recommended starting flows and flow ranges for clinical studies on high flow oxygen therapy

	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	
acute hypoxemic respiratory failure (pneumonia)									•							Macé et al. 2019
extubated patients at high risk of reintubation									•							Hernández et al Oct 2016
extubated patients at low risk of reintubation					•											Hernández et al Apr 2016
acute undifferentiated shortness of breath in the ED									•							Bell et al 2015
acute hypoxemic respiratory failure (pre-intubation)						_			•							Frat et al 2015
hypoxemic patients post cardiothoracic surgery					-						-					Stéphan et al 2015
post extubation with acute respiratory failure									•							Maggiore et al 2014
do not intubate patient with hypoxemic respiratory distress					-						-					Peters et al 2013
acute respiratory failure							_	-	•	+	_					Sztrymf et al 2011
mild-to-moderate hypoxemic respiratory failure						•										Parke et al 2011
post-cardiac surgery						•	-	-								Corley et al 2011
COPD			•													Storgaard et al 2018
COPD					•											Nagata et al. 2018
stable severe COPD patients											•					Cirio et al 2016
COPD and/or bronchiectasis			_													Rea et al 2010





High flow mode

	R-90S	R-80S	R-80B	R-80C
Adjustment method of Oxygen concentration	Auto	Auto	Auto	Manual
Flow	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable
Flow range	2L~8OL/min	2L~8OL/min	2L~80L/min	2L~80L/min
Oxygen concentration adjustment range	21%~100%	21%~100%	21%~100%	1
★Temperature output range	29 °C ~37 °C	29°C~37°C	29°C ~37°C	29 ℃ ~37 ℃
★Temperature adjustment gear	9 steps adjustable	9 steps adjustable	9 steps adjustable	9 steps adjustable
Disinfection-free conception	Yes	Yes	Yes	Yes
Screen size	3.5 inches	3.5 inches	3.5 inches	3.5 inches
Trend review function	1 day; 3 days; 7 days			
Oxygen concentration	adjustable,Monitorable	adjustable,Monitorable	adjustable,Monitorable	Monitorable
Temperature	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable
★sPEEP	Monitorable	Monitorable	Monitorable	Monitorable
★Respiratory rate	Monitorable	Monitorable	Monitorable	Monitorable
SpO ₂	Option	Option	Option	Option
Pulse rate	Option	Option	Option	Option
Automatic reminder of filter replacement	Yes, settable	Yes, settable	Yes, settable	Yes, settable
Automatic water filling function	Yes	Yes	Yes	Yes
★AutoFlow	Yes	Yes	1	1
★SmartFlow	Yes	Yes	1	1
★ Humidity compensation	-3~+3, 7 steps adjustable			
★sPEEP set	0~4 adjustable	0~4 adjustable	1	1
★ Warm standby	Yes	Yes	Yes	Yes
★Twin turbine motor	Yes	Yes	Yes	Yes

