

Applicable departments for the HFNC



Respiratory ICU
Precise oxygen therapy, removal support after removal of invasive ventilator (acute respiratory failure with hypoxemia, interstitial pneumonia, restrictive lung disease)



Pediatric Dept.
Respiratory support for bronchitis and pneumonia



Cardiac surgery
Respiratory support for heart failure, respiratory support after cardiac surgery



Neurosurgery
Airway management of tracheotomy patients



Tumor patients
Prevention and treatment of airway burns and stomatitis after radiotherapy and chemotherapy



Burns Dept.
Airway protection for airway burns



Respiratory Dept.
Precise oxygen therapy, acute COPD, respiratory support during bronchoscopy



E.D
High concentration oxygen inhalation, airway management, oxygen inhalation for tracheotomy



Surgical ICU
After removal of invasive ventilator, airway management for patients with heart failure and respiratory failure



ENT Dept.
Respiratory support during and after nasopharyngeal surgery



Obstetrics
High temperature oxygen breathing support, reduce temperature consumption



RV Series Non-Invasive Ventilator

More Than Humidification





RV series
Non-Invasive Ventilator

ISO 80601-2-90

Released by ISO & IEC

20+ since 2001

BMC Medical Co., Ltd. (BMC)
To provide global families with
integrated service to
sleep-disordered breathing (SDB)
and other chronic respiratory
diseases.

1 MILLION +

Servicing more than 1 million
patients and families around
the world.

100 +

Products are covering more
than 100 countries and regions,
including Europe and the United
States.

* Proposed and developed with the
participation of experts from BMC



2 in 1

HFNC/NIV interface
one button switching



64 beds

Support centralized data
monitoring of up to 64 beds



50cmH₂O

Max. treatment pressure



Multiple NIV modes

SVAPS 、PCV、S/T、T、CPAP, etc



Auto sensitivity

Adjust breathing sensitivity
automatically for device following
breathing smarter



Therapeutic proposals preset

Preset treatment proposals for quick
start of treatment



Patient therapy record
management function

Can distinguish different patients,
and view treatment-related data
trend charts



Dual protection

With device self-checking
function & front and rear bacterial filters



Oxygen concentration

Can be set under both NIV and
High flow mode



Experience comfortable humidity function

Control temperature accurately

29°C-37°C (accurate to 1 °C)



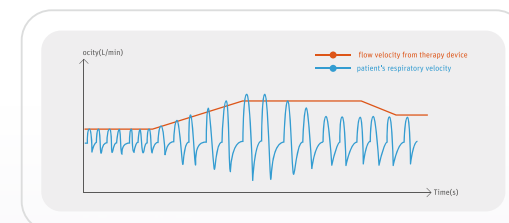
High and low oxygen source connectors

Applicable to a variety of oxygen source
conditions, can be connected to high pressure
or low pressure oxygen source



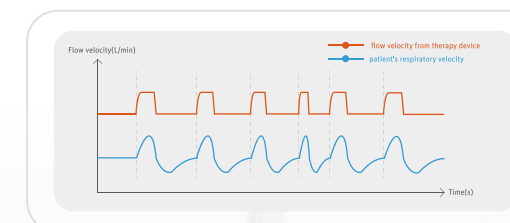
AutoFlow

Auto high flow, which automatically
adjust the flow rate according to the
patient's inhalation effort while satisfying
the therapeutic effect, easily cope with the
occurrence of emergencies and efficiently
manage the treatment



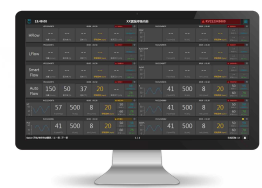
SmartFlow

Bilevel high flow, which switch the flow
between breaths, provide a higher flow when
inhaling and a lower flow when exhaling,
ensuring the effectiveness and comfort of
patients while reducing hyperventilation and
saving oxygen resources





Intelligent and Remote Multi-bed Data Monitoring



PC

+



WiFi

+



Rx-Monitoring



RV Series Non-Invasive Ventilator

Equipped with a WiFi module and an optional Rx-Monitoring system, wireless data transmission & centralized management of multiple beds between devices and nurses stations can be realized

Close to clinical, convenient and practical



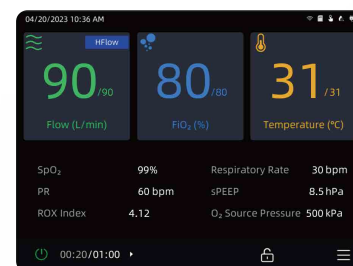
8 inches screen

HD high-definition capacitive touch screen, while supporting independent button operation. Switch UI between NIV& HFNC in real time



Clinical parameters

A variety of parameters can be displayed and seen at a glance



Treatment plan preset

A variety of treatment options can be preset to quickly start treatment



Patient management function

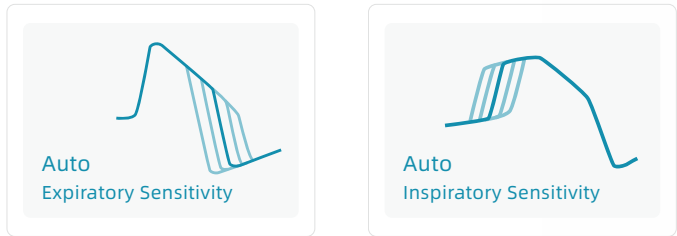
Can distinguish different patients, and view treatment-related data trend charts (1day,3days,7days)



All in breathing, All in life

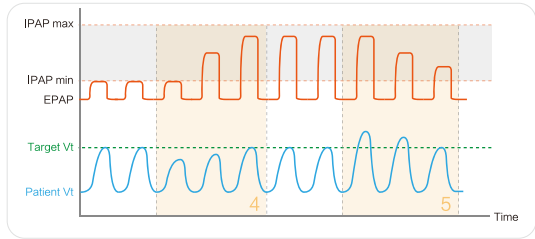
• Auto sensitivity

Triggered by the patient's breathing, assisting in human-machine synchronization



• Multiple NIV modes

SVAPS, PCV, S/T, CPAP etc., can meet needs of clinical treatment



• 50cmH₂O

Powerful blower provides the treatment pressure up to 50cmH₂O

• Dual protection

With device self-checking function & front and rear bacterial filters



Specifications

High flow mode

	RV30FM2	RV30FU2	RV40SU2	RV50SU2
Adjustment Method of FiO ₂	Manual	Auto&Manual	Auto&Manual	Auto&Manual
High/Low Pressure O ₂ Source	L	H & L	H & L	H & L
Max Flow	90	90	90	90
AutoFlow	-	-	Yes	Yes
SmartFlow	-	-	Yes	Yes
Temperature Adjustment	9 steps Adjustable	9 steps Adjustable	9 steps Adjustable	9 steps Adjustable
Humidity Compensation	7 steps Adjustable	7 steps Adjustable	7 steps Adjustable	7 steps Adjustable
sPEEP	Monitorable	Monitorable	Monitorable	Monitorable
Respiratory Rate	Monitorable	Monitorable	Monitorable	Monitorable
Trend Chart	Yes	Yes	Yes	Yes
Patient Management	Yes	Yes	Yes	Yes
Preset of Running Time	Yes	Yes	Yes	Yes
SpO ₂ Monitoring	Optional	Optional	Optional	Optional
PR Monitoring	Optional	Optional	Optional	Optional
ROX Index	Optional	Optional	Optional	Optional
Rx Monitoring System	Optional	Optional	Optional	Optional

Non-invasive mode

	RV30NM2	RV30NU2	RV40NU2	RV30FM2	RV30FU2	RV40SU2	RV50SU2
Noninvasive Mode	CPAP, AutoCPAP, S, AutoS, S/T, T, SVAPS, PCV	CPAP, AutoCPAP, S, AutoS, S/T, T, SVAPS, PCV	CPAP, AutoCPAP, S, AutoS, S/T, T, SVAPS, PCV	CPAP, S, S/T, T, SVAPS, PCV, (*HFlow, LFlow)	CPAP, S, S/T, T, SVAPS, PCV, (*HFlow, LFlow)	CPAP, AutoCPAP, S, AutoS, S/T, T, SVAPS, PCV, (*HFlow, LFlow, AutoFlow, SmartFlow)	CPAP, AutoCPAP, S, AutoS, S/T, T, SVAPS, PCV, (*HFlow, LFlow, AutoFlow, SmartFlow)
Max Pressure (cmH ₂ O)	30	30	40	30	30	40	50
IPAP(cmH ₂ O)	4-30	4-30	4-40	4-30	4-30	4-40	4-50
EPAP(cmH ₂ O)	4-25	4-25	4-25	4-25	4-25	4-25	4-25
I Sens	1-8, Auto	1-8, Auto	1-8, Auto	1-8, Auto	1-8, Auto	1-8, Auto	1-8, Auto
E Sens	1-8, Auto	1-8, Auto	1-8, Auto	1-8, Auto	1-8, Auto	1-8, Auto	1-8, Auto
Target Tidal Volume mL	100-2500	100-2500	100-2500	100-2500	100-2500	100-2500	100-2500
Rise Time	100-1000ms	100-1000ms	100-1000ms	100-1000ms	100-1000ms	100-1000ms	100-1000ms
Ti	0.2-3	0.2-3	0.2-3	0.2-3	0.2-3	0.2-3	0.2-3
Ti/Ttot	2-50%	2-50%	2-50%	2-50%	2-50%	2-50%	2-50%
Ti Min	0.1s-Ti Max	0.1s-Ti Max	0.1s-Ti Max	0.1s-Ti Max	0.1s-Ti Max	0.1s-Ti Max	0.1s-Ti Max
Ti Max	Ti Min - 4s	Ti Min - 4s	Ti Min - 4s	Ti Min - 4s	Ti Min - 4s	Ti Min - 4s	Ti Min - 4s
Temperature of Heating tubes	Off, 18-34°C	Off, 18-34°C	Off, 18-34°C	Off, 18-34°C	Off, 18-34°C	Off, 18-34°C	Off, 18-34°C
High/Low O ₂ Source Pressure	L	H & L	H & L	L	H & L	H & L	H & L
FiO ₂ Range	21-100%	21-100%	21-100%	21-100%	21-100%	21-100%	21-100%
Respiratory Rate	3-60 BPM	3-60 BPM	3-60 BPM	3-60 BPM	3-60 BPM	3-60 BPM	3-60 BPM
Automatic Leak Compensation	Yes	Yes	Yes	Yes	Yes	Yes	Yes

(*Under high flow mode)