H-80 Series

	H-80 AS	H-80 A	H-80 M
Adjustment method of oxygen concentration	Auto	Auto	Manual
Flow	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable
Flow range	2L–80L/min	2L–80L/min	2L–80L/min
Oxygen concentration adjustment range	100% 21%–	100% 21%–	100% 21%–
* Temperature output range	29° C – 37° C	29° C – 37° C	29° C – 37° C
* Temperature adjustment gear	9 steps adjustable	9 steps adjustable	9 steps adjustable
Disinfection free conception	Yes	Yes	Yes
Screen size	3-5 inches	3-5 inches	3-5 inches
Trend review function	1day, 3days, 7days	1day, 3days, 7days	1day, 3days, 7days
Oxygen concentration	Monitorable, adjustable	Monitorable, adjustable	Monitorable
Temperature	Monitorable, adjustable	Monitorable, adjustable	Monitorable, adjustable
* sPEEP	Monitorable	Monitorable	Monitorable
* Respiratory rate	Monitorable	Monitorable	Monitorable
Automatic reminder of filter replacement	Yes, settable	Yes, settable	Yes, settable
Automatic water filing function	Yes	Yes	Yes
* Auto flow	Yes	/	/
* Smart flow	Yes	/	/
Humidity compensation	3 +- ,+3 step adjustable 7	3 +- ,+3 step adjustable 7	3 +- ,+3 step adjustable 7
* sPEEP	steps adjustable 0-4	/	/
* Warm stand by	Yes	Yes	Yes

EUROPEAN PHARMACEUTICALS

I&A

H-80 Series

High flow nasal cannula (HFNC)
oxygen therapy device

I&A

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EUROPEAN PHARMACEUTICALS

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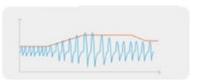BMC new H-80 series high-flow oxygen therapy, highly integrated design, to meet needs of clinical treatment.

☀ provide a maximum of 80L/min air-oxygen mixed gas, oxygen concentration can be set automatically, providing Auto Flow function, Smart Flow function.

☀ Disinfection-free design, water chamber has a backflow prevention valve to prevent gas backflow, and overall maintenance is more convenient.

Can set target oxygen concentration, temperature and flow
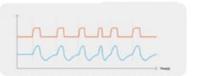
☀ Control target oxygen concentration automatically, oxygen delivery in the machine 21% +100%, accurate to 1%.
Wall oxygen source, oxygen cylinder, oxygen generator can support it.
The built-in ultrasonic oxygen sensor requires no maintenance.

☀ 9-stages humidification temperature= 29 °C +37 °C, accurate to 1 °C.

☀ Advanced dual fan design, two levels of HFlow and LFlow, 2L/min – 80L/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

☀ Auto flow
Automatically set the output flow parameters based on the peak expiratory flow(PEF) of the patient, simplifying the setting steps, satisfying the treatment and improving patient comfort.

☀ Smart Flow
Follow the patient's every breath, switch the flow between breathes, 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.

Warm stand by function designed for convenient use and saving oxygen

☀ H-80 servies has a warm stand by 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 easy setup

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

☀ Trollery is optional

H-80 Series High Flow Oxygen Therapy, can be used for patients with spontaneous breathing, including artificial airway respiratory insufficiency, and can be used for patients in hospitals and long-term care institutions.

☀ In High flow model, flow rate is 2L/min – 80L/min, which can set the concentration of inhaled oxygen automatically

Optional accessories

Water Chamber

Water Chamber Exchange Connector

LH2 Heated Tubing

Nasal Cannula for High Flow (XS/S/M/L)

Recommended flow and range for high flow oxygen therapy

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

Condition	Flow range (L/min) 10–80	Reference
Acute hypoxemic respiratory failure(pneumonia)	~50	Mace et al. 2019
Extubated patients at high risk of reintubation	~50	Hernandi et al Oct 2016
Extubated patients at low risk of reintubation	~35	Apr 2016
Acute undifferentiated shortness of breath in the ED	~50	Bell et al 2015
Acute hypoxemic respiratory failure (pre-intubation)	40–55	Frat at al 2015
Hypoxemic patients post cardiothoracic surgery	40–50	Stephan et al 2015
Post extubation with acute respiratory failure	~55	Maggiore el al 2014
Do not intubate patient with hypoxemic respiratory distress	40–50	Peters et al 2013
Acute respiratory failure	45–55	Sztrymf et al 2011
Mild-to-moderate hypoxemic respiratory failure	~45	Corlay et al 2011
Post-cardiac surgery	45–55	Storgaard et al 2018
COPD	~20	Corlay et al 2011
COPD	~30	Nagata et al 2018
Stable services COPD patients	65–70	Cirio et al 2016
COPD and/or bronchiectasis	20–25	Rea et al 2010