

# EasyVEE®

Flow driver "jet"

The Jet device (Venturi unit) works as an high flow driver (booster) for high flow oxygen therapy through the use of HFNC or for CPAP, and it requires the gas supply from an Oxygen source only.

## STRUCTURE

The EasyVEE® Jet device is equipped with an inlet connection to be mounted on the outlet of the variable area flowmeter, working as a "driver" source for Venturi. The intake ambient air regulator, complete with connector Ø 22 F. - according to ISO DIN 5356-1, allows the adjustment of the oxygen concentration value (FiO<sub>2</sub>) of the mixture supplied to the patient. The Jet device gives the possibility to monitor constantly the oxygen concentration present in the supplied mixture through an on-line oxygen analyser (optional), connected to the FiO<sub>2</sub> monitor port. On the head of the device a quick dial nut allows the operator to select the function O<sub>2</sub>-Air (MIX) or 99% O<sub>2</sub>, this last one is foreseen to ventilate patient with high flows of Oxygen only. The mixture outlet connector (Ø 22 M - 16 F) made in accordance with Standard ISO DIN 5356-1 enables to add an on-line antimicrobial filter assuring a protection for the patient and reducing the noise of the system, thus giving a higher comfort during the therapy.

## APPLICATIONS

- **Application for single high flow flowmeter:** flow range 50 L/min. with double scale: 2÷10 L/min. and 10÷50 L/min.
- **Application for twin high flow flowmeter:** flowmeter [A] with end of scale 30 L/min.; flowmeter [B] with end of scale 15 L/min. or 30 L/min.

<b>SIZES (LxWxH)</b>	150x100x55 mm
<b>WEIGHT</b>	0.35 Kg 0.55 Kg with oxygen analyzer (optional)
<b>SUPPLIED GAS</b>	O <sub>2</sub>
<b>SUPPLIED STANDARD PRESSURE</b>	400 kPa (4 bar) +/- 10%
<b>FI<sub>O</sub><sub>2</sub> ADJUSTMENT</b>	from 35% to max 99%
<b>OXYGEN SUPPLY CONNECTION</b>	9/16" UNF EN 13544-2 F.
<b>INLET CONNECTION FOR THE INTAKE AMBIENT AIR</b>	Ø22 F. ISO DIN 5356-1
<b>OUTLET CONNECTION</b>	Ø22 M. - 16 F. ISO DIN 5356-1



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Breakthrough **TECHNOLOGY**  
Intelligent **DESIGN**

## Main information



For CPAP application, this device must be used only for the ventilation with the specific mask or with hood. It requires a PEEP valve placed on the outlet of the expiratory side.

## Related products



**Rs**  
variable area oxygen  
flowmeters  
p. 24

- 1 Intake ambient air inlet with adjustable knob.
- 2 Quick dial nut allows the operator to select the function O<sub>2</sub>-Air (MIX) or 99% O<sub>2</sub>.
- 3 FiO<sub>2</sub> port.
- 4 FiO<sub>2</sub> monitor port with analyzer (see next page).



▶ WATCH THE VIDEO



Download the app **EasyVEE®**



The App provides the healthcare professional with all guidelines to set the required flows for the ongoing respiratory therapy.



1



2



3



4

## Technical specifications | Oxygen analyzer

<b>SENSOR TYPE</b>	electrochemical
<b>RANGE OF MEASUREMENT</b>	0÷99% Vol. oxygen
<b>DISPLAY INDICATION</b>	1% Vol.
<b>MEASUREMENT TIME</b>	1 sec.
<b>RESPONSE TIME</b>	< 5 sec.
<b>ACCURACY</b>	±3% read value

## CLINICAL APPLICATION

The aim of the pressure gradient is to:

- Ensure a greater opening of the alveoli during inspiration
- Prevent alveolar collapse at the end of expiration, by maintaining a PEEP level
- Reduce the effort necessary to breathe, thus avoiding hypoxemia, hypercapnia, metabolic and respiratory acidosis typical of IRDS.

The JET system is mainly indicated for:

- Acute respiratory distress syndrome (ARDS)
- Severe respiratory distress
- Post-surgery hypoxemia
- Asthma
- Chronic obstructive pulmonary disease (COPD)
- Thoracic trauma
- Prophylaxis and treatment of acute apnoea attacks
- Pulmonary oedema and atelectasis of varying origins, and for weaning from a mechanical ventilator.

CPAP respiration, applied with any method, requires the patient's efficient spontaneous respiration (cases with frequent apnoea, or severe respiratory failure, require ventilator support).

To the patient is administered a gaseous mixture, with an appropriate concentration of O<sub>2</sub>, metered in L/min. by one or two oxygen flow meters, and the CPAP is obtained by discharging through a respiratory circuit terminal (PEEP valve), the expired gases.



EasyVEE®  
twin flowmeter



EasyVEE® single flowmeter

- |                                                                                                          |          |
|----------------------------------------------------------------------------------------------------------|----------|
| Single high flow flowmeter driver (flow range 50 L/min. with double scale: 2÷10 L/min. and 10÷50 L/min.) | <b>A</b> |
| Jet Device (Venturi): works as a high flow driver (booster) for the non-invasive ventilation             | <b>B</b> |
| Quick dial nut to select the function O <sub>2</sub> -Air (MIX) or 99% O <sub>2</sub>                    | <b>C</b> |
| The connector for the intake ambient air with adjustable knob                                            | <b>D</b> |
| On-line oxygen analyzer (optional)                                                                       | <b>E</b> |

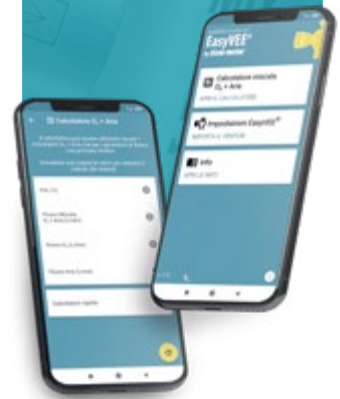
### OTHER SUPPLIER:

- |                                |          |
|--------------------------------|----------|
| Antimicrobial filter           | <b>F</b> |
| Hood (or facial mask) for CPAP | <b>G</b> |
| PEEP valve                     | <b>H</b> |



EasyVEE®  
twin flowmeter  
with oxygen analyzer

EasyVEE® single flowmeter  
with oxygen analyzer



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