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Product Name :

Oxygen Concentrator

Product Code :

SLE/RAE/12



Science Lab
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Description :

Oxygen Concentrator (Product Code: SLE/RAE/12) is a mobile medical device that draws in room air and delivers a continuous flow of concentrated oxygen (93 %) to patients through an adjustable 1–10 LPM flowmeter in wards, clinics and health centres. An integrated oxygen sensor checks concentration at the flowmeter entrance and alerts staff if it drops below 82 %. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Oxygen source	Concentrates oxygen from ambient air; continuous flow
Oxygen concentration	93 %
Flowmeter	1–10 LPM, continuously adjustable, markings at 0.5 L intervals
Maximum output flow	10 LPM
Output pressure	Minimum 55 kPa (as listed; confirm with quotation)
Oxygen sensing	Integrated; measures concentration at the flowmeter entrance
Alerts	Visual and audible: low/high output pressure, no flow, low oxygen concentration (< 82 %), power failure
Sound level	Less than 52 dB(A)
Hour meter	Digital or analogue display of cumulative operating hours
Oxygen outlet	Durable, approx. 6 mm barbed fitting or equivalent
Mobility	4 antistatic swivel castors (2 with brakes); integrated handle
Weight	28 kg
Power requirements	220–240 V, 50–60 Hz, or 110 V, 50/60 Hz
Operating conditions	10–40 °C; RH 15–85 %; altitude 0–2286 m above sea level
Storage conditions	-40 °C to 55 °C; RH ? 95 %
Limitation	Not suitable as an oxygen source for other respiratory-support equipment such as ventilators, CPAP devices or high-flow nasal oxygen
Product code	SLE/RAE/12
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is an Oxygen Concentrator Used For?

An oxygen concentrator gives a facility its own oxygen supply without cylinders: it separates oxygen from room air and passes it to the patient through nasal prongs, a mask or a humidifier line a ly or irregu

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