

Oxyn<sub>2</sub>



**PEC**  
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# OXYN2 Specifications

## Gas Supply

Pipeline Input	2.8 to 6 bar
Connection	NIST Connection for O <sub>2</sub> /N <sub>2</sub> O/Air
Cylinder Input	Yoke Cylinder for O <sub>2</sub> /N <sub>2</sub> O(optional)

## Shut Off Valve

Minimum O <sub>2</sub> Pressure	Gas Flow Stop at 1.5 Bar
Auxiliary Power Outlet Pressure	O <sub>2</sub> /Air Outlet on the Back 4 Bar

## Low O<sub>2</sub> Alarm

Pressure	1.5 to 2.4 Bars
Duration	Minimum 9 Seconds

## O<sub>2</sub> Flash

Flow Range	25 to 75 L/min (35kpa max)
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## Flow meter

O <sub>2</sub> Ranges	Two Tubes: 0.1- 1 L/min and 1-10 L/min
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## Gas Mixture

Selective N <sub>2</sub> O Ranges	O <sub>2</sub> +Air/O <sub>2</sub> +N <sub>2</sub> O/OFF(for all gases)
Air Range	Two Tubes: 0.1- 1 and 1-10L/min
Fresh Gas	1- 15 L
	Compensation O <sub>2</sub> /N <sub>2</sub> O or Air/O <sub>2</sub> Gas Mixture

## Hypoxic Guard System

Type	Mechanical
Range	O <sub>2</sub> /N <sub>2</sub> O Ratio=1:3 (minimum FLOW O <sub>2</sub> 25%)

## Power Supply

Full Range Source	100-240 vac 0.18 A
Frequency	50/60 HZ
Internal Battery	(Seald Acid) 12 v/ 2.2 Ah

## Battery Backup

Pneumatic Inlet	
O <sub>2</sub> /N <sub>2</sub> O/Air	3-4 bar
O <sub>2</sub> Cylinder Yoke	optional

## Vaporizer

Back Bar	Double (selectatec)
INTERLOCK VAPORIZER	HAL, ISO, SEVO, DES



## Parameter Value

Expired Tidal Volume  
Expired Minute Volume  
Respiratory Rate  
O<sub>2</sub> Concentration  
Peak and Mean Pressure

## Dimensions

Height	1400 mm
Width	540 mm
Depth	700 mm
Weight	84 kg

## OES Ventilator

FUNCTIONAL	Tidal Volume (Vt)	20 to 1600 ml
	Rate (BPM)	4 to 100 bpm
	I:E Ratio	1:0.3 to 1:8
	Pressure Limit	10 to 80 cmH <sub>2</sub> O
	Fresh Gas Compensation	Automatic Tidal Volume Adjustment
	Ventilation Modes	Off/ Standby/ Volume/ Pressure Controlled/Spontaneous/SIMV/SMMV/PSV (for use in anaesthesia procedures only)
	Sigh Function	Tidal Volume *1.5 is delivered once, twice, three or for times every50 breaths (Frequency is user selectable)
	Pressure Control Spontaneous Mode	10 to 50 cmH <sub>2</sub> O Active Volume and Pressure Alarms-Patient Support Function-Automatic switch to volume Cycle Mode if apnoea alarm is triggered
	Electronic PEEP	4 to 30 cmH <sub>2</sub> O
	Oxygen Monitor	Fuel Cell type
SIMV/SMMV/PSV	Bellows (Latex free)	20 to 1600 ml, Pediatric option 20 to 350 ml
	Power	90 to 264 VAC, 47 to 63 Hz
	Drive Gas	Oxygen or Air
	Trigger	0.7 to 4 L/min (PEEP Referenced)
	Trigger Window	60% of Expiratory Time
	Tidal Volume (Vt)	As Volume Mode
	Minute Volume (Vm)	As Volume Mode
	Inspiratory Time (Ti)	0.5 to 5 Seconds
	Support Pressure	3 to 20 cmH <sub>2</sub> O(PEEP Referenced)
	ALARMS	Alarm Mute
Low Drive Gas Pressure		Less Than 235 kPa (34 psi)
Low Pressure		4-14 cmH <sub>2</sub> O PEEP Referenced
Low Tidal Volume		50% of Volume Set(Spirometry)
Mains Failure		30 Minutes Battery Backup
High Continuous Airway Pressure		Above 30 cmH <sub>2</sub> O at start of cycle
Low Battery		5 Minutes Use
Vent Inop	Internal or Battery Failure	
Apnoea	Flow Referenced	