

# MaxBlend 2 Air-Oxygen Blender

SENSING

ANALYSIS

DELIVERY



The MaxBlend 2 helps clinicians who want to **prioritize patient safety** and **streamline patient care** when delivering oxygen to patients by integrating a **FiO<sub>2</sub> monitor, air-oxygen blender, and flow meter** into a single device.

## 3-IN-1 BLENDER, FLOW METER, & MONITOR

- 1 FiO<sub>2</sub> Monitor
- 2 Adjustable Alarms
- 3 Dual-Scale DFB Flow Meter
- 4 Integrated Blender
- 5 Intuitive Digital Interface
- 6 Bleed Control
- 7 Back-Lit LCD & Flow Meter



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# MaxBlend 2 Capabilities



## Make Patient Safety a Priority

A built-in FiO<sub>2</sub> monitor alerts clinicians of unexpected FiO<sub>2</sub> changes before care might be disrupted.

Deliver accurate flows with an integrated DFB dual-scale flow meter that is uniquely calibrated for the pressure drop associated with blenders as flow rates are increased.

This integrated solution prevents analyzers and flow meters from being easily removed and taken to other patient areas, minimizing the risk of cross-contamination.

## Alleviate Alarm Fatigue for Clinicians

Alarm fatigue occurs when clinicians are exposed to an excessive number of alarms, which can result in a desensitization to alarms.

This alarm fatigue can be reduced with the independently adjustable high and low alarms that allow clinicians to set the alarm parameters specific to their hospital protocol or patient requirements.

## Acquire a Deeper Understanding of Patient Status

- Oxygen FiO<sub>2</sub> concentration readings alongside other patient vitals can give clinicians more information to help make care decisions.
- By enabling FiO<sub>2</sub> measurements to be taken upstream of humidification, CPAP, and ventilation systems, the gas measurement is kept free from pressure, temperature, and humidity variances, resulting in increased accuracy of readings.



## Avoid Disruptions to Patient Comfort

- The MaxBlend 2 has a backlight function on the LCD display and flow meter for low light settings so patients can rest comfortably while clinicians check the monitor.
- Low-cost muffled adapter (R219P50-100) offered as an added accessory option to dampen the noise commonly associated with delivering higher flows so patients can rest peacefully.

## Find the Right Solution for the Right Patient

- Offered with 4 different flow meter range options (see below: 0-3 LPM, 0-15 LPM, 0-30 LPM, and 0-70 LPM) and offered with DISS, NIST, or AFNOR fittings to ensure clinicians have the right set-up for the patient population they are treating.



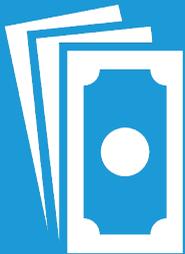
## Simplify Set-Up & Save Space

- Save space while reducing set-up, cleaning, and reprocessing time with a blender, dual-scale flow meter, and monitor fully integrated into a single solution.
- Intuitive digital interface makes care adjustments fast and simple.

# Save on Costs



Built-in bleed control can greatly lower the amount of wasted gas to save your hospital money.



Check out our gas savings calculator to see how much you can save by using the MaxBlend 2!

[www.maxtec.com/maxblend2-savings](http://www.maxtec.com/maxblend2-savings)

## MaxBlend 2 Accessories

Included

Optional Add-Ons



Max-550E



Max-550E Flow Diverter



Hoses



Brackets



Accessories



Flow Meters



The MaxBlend 2 comes with a Max-550E oxygen sensor, Max-550E flow diverter, sensor cable, and 2 AA batteries.

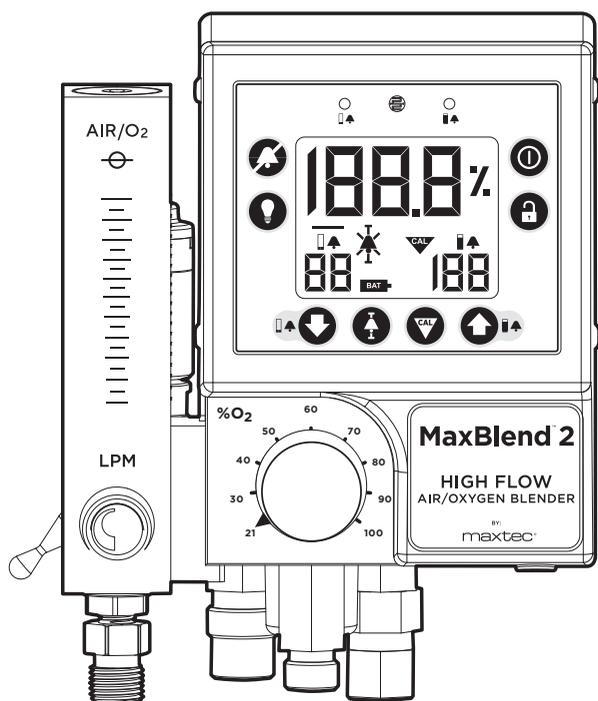
Maxtec also offers additional accessories to optimize your oxygen delivery set-up, including add-on flow meters, air/oxygen hoses, universal mounting brackets, noise-muffling adapters, and more.

# MaxBlend 2 Specifications

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## MAXBLEND 2 PART NUMBERS

### DISS Fitting:

0-3 LPM 50 PSI ( <i>Low Flow</i> ).....	R229P01-011
0-15 LPM 50 PSI ( <i>Low Flow</i> ).....	R229P01-010
0-15 LPM 60 PSI ( <i>Low Flow</i> ).....	R229P01-020
0-30 LPM 50 PSI ( <i>Low Flow</i> ).....	R229P01-001
0-70 LPM 50 PSI ( <i>High Flow</i> ).....	R229P02-001

### NIST Fitting:

0-3 LPM 50 PSI ( <i>Low Flow</i> ).....	R229P01-030
0-15 LPM 50 PSI ( <i>Low Flow</i> ).....	R229P01-027
0-15 LPM 60 PSI ( <i>Low Flow</i> ).....	R229P01-024
0-30 LPM 50 PSI ( <i>Low Flow</i> ).....	R229P01-004
0-70 LPM 50 PSI ( <i>High Flow</i> ).....	R229P02-004

### AFNOR Fitting:

0-3 LPM 50 PSI ( <i>Low Flow</i> ).....	R229P01-031
0-15 LPM 50 PSI ( <i>Low Flow</i> ).....	R229P01-028
0-15 LPM 60 PSI ( <i>Low Flow</i> ).....	R229P01-007
0-30 LPM 50 PSI ( <i>Low Flow</i> ).....	R229P01-025
0-70 LPM 50 PSI ( <i>High Flow</i> ).....	R229P02-007

## TECHNICAL SPECIFICATIONS

Weight (unpacked).....	5.3 lbs. (2.4 kg.)	Mixed Gas Stability* Ambient Operating Conditions.....	±1% oxygen
Power Source.....	Four "AA" alkaline batteries, 1.5 V each	Operating Temperature Range.....	59°F to 104°F (15°C to 40°C)
Battery Life.....	5000 hours (continuous operation, no alarming)	Relative Humidity Range.....	0-95%, non-condensing
Oxygen Measurement Range.....	0% to 100% oxygen	Ambient Storage Conditions Temperature Range.....	5°F to 122°F (-15°C to 50°C)
Display Resolution.....	0.1% oxygen	Flow meter accuracy**.....	+/-10% of indicated value or 0.5 LPM whichever is greater, with inlet pressure set to 50PSIG.
O2 Concentration Adjustment Range.....	21% to 100% O2	Flush Flow*** .....	3 LPM Flow meter: 20-30 LPM 15 LPM Flow meter: 20-30 LPM 30 LPM Flow meter: 45 LPM 70 LPM Flow meter: 80 LPM
Gas Supply Pressure.....	The gas supplies must provide clean, dry, medical-grade air and oxygen at a pressure of 30 to 75 PSIG (2.0 to 5.2 BAR). Air and oxygen must be within 20 PSI (1.3 BAR). Optimal performance is achieved at 50 PSIG inlet pressures.	*The delivered oxygen concentration will remain constant within ±1% of the set point value with constant inlet pressures. The displayed value may vary more than this due to sensor accuracy, age, environmental conditions, and the length of time since last sensor calibration.	
Pressure Drop.....	Less than 6 PSIG (0.4 BAR) @ 50 PSIG (3.4 BAR) supply pressures and 10 LPM flow rate	**Position the device such that the flow meters are vertical to ensure accuracy.	
Sensor Bleed Flow.....	0.1LPM @ 50 PSIG (3.4 BAR)	***Any flow beyond the last calibrated line on the Flow Tube with unrestricted flow is Flood/Flush flow. The maximum flow (flood/flush flow) is indicated above. The above flush flows are based on 50 psi pressure, 70 F (21 C), at standard atmospheric pressure. The Specifications are subject to change without prior notice.	
Bleed Flow (toggle ON).....	3 LPM for low flow blender and 13 LPM for high flow blender		
Outlet Flow Range.....	0-30 LPM for low flow blender and 2-100 LPM for high flow blender with inlet pressures at 50 PSIG (3.4 BAR)		

ML-0263 Rev H



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