

High/Low Flow Blenders

Ohio Medical's Medical Air/O₂ Blenders combine compressed Medical Air and Oxygen to deliver blended pressurized gas at a precise oxygen concentration (FiO₂) determined by the user. Gas bleeds feature unique ON/OFF switch to increase accuracy when needed, conserve gas and reduce worries. Models have two or three outlet ports each delivering a highly accurate selected FiO₂. Most models can be customized by flowmeter attachment with a variety of flow rates available.

The High/Low Flow Blender models are designed to provide therapy or run equipment with a flow of 2-120 lpm.

High/Low with 3 Ports

The 3-Port Blender features output ports with DISS fittings on the left, right, and bottom of the blender. The extra port may be used for medical transport ventilator supply gas or other equipment needs. When a flowmeter is connected to the right (bleed) port, accurate flow is delivered at that port, the left and bottom ports between 2-108 lpm.



6750-0025-907
High/Low
with 3 Ports

Standard High/Low with 2 Ports

Two output ports with DISS fittings on the right and bottom of the blender. When a flowmeter is connected on the right (bleed) port, accurate flow is delivered at that port and the bottom port between 2-108 lpm.

6750-0024-907
Standard High/Low
with 2 Ports



TECHNICAL SPECIFICATIONS

Oxygen concentration control adjustment range: 21% to 100%

Overall flow range: 2 - 120 lpm

Bleed flow @ Auxiliary Port: <15 lpm: 12 lpm

Maximum flow: ≥120 lpm @ 60% setting & 50 psi (345 kPa) inlet pressures.

Bypass flow (loss of air or oxygen): > 90 lpm

Supply pressures: 30-75 psi (207-517 kPa) and medical air & oxygen must be within 10 psi (69 kPa) of each other.

Pressure drop: <6 psi (42 kPa) at 50 psi (345 kPa) inlet pressure

Accuracy: ±3% of full scale

Alarm/Bypass Activation: When inlet gas pressures differ by 20 psi (138 kPa)

Alarm sound generator: Reed alarm

Alarm sound intensity: 80 dB, 1 ft minimum

Alarm/Bypass reset: When inlet gas pressure differential is ≥6 psi (42 kPa)

Gas outlet connector: Type "DISS", O₂

Gas inlet connectors: Type "DISS", Medical Air (male) and O₂ (female)

Note: 15 psi = 104 kPa

Note: Ohio Medical's Medical Air/O₂ Blenders are compatible with Ethylene Oxide Gas (ETO) Sterilization.

- Specifications are nominal, subject to change without notice. International options are also available.
- Note: Ohio Medical's Medical Air/O₂ Blenders are compatible with Ethylene Oxide Gas (ETO) cold sterilization.
- Attached Flowmeters are connected with DISS Handtight fittings.
- Other configurations available; please contact your sales representative for details.

Model Number	Weight*	Dimensions	Auxiliary Port
6750-0024-907 High/Low Blender, plain/no flowmeter	2.45 lbs (1.11 kg)	3.6"W x 5.4"H x 4.6"D (9.2 x 13.7 x 11.7 cm)	Left: plugged Bottom: 15 -120 lpm (bleed OFF) 2 -108 lpm (bleed ON) Right: 2-108 lpm (bleed ON)
6750-0025-907 High/Low Blender, with 3 Ports, plain/no flowmeter	2.55 lbs (1.16 kg)	4.8"W x 5.4"H x 4.6"D (12.2 x 13.7 x 11.7 cm)	Left: 15-120 lpm (bleed OFF) 2-108 lpm (bleed ON) Bottom: 15-120 lpm (bleed OFF) 2-108 lpm (bleed ON) Right: 2-108 lpm (bleed ON)

*Weights are approximate

Description	Part Number
High/Low Blender (right and bottom port)	
Plain/No Flowmeters	6750-0024-907
Attached 0-15 lpm Flowmeter	6750-0024-930
High/Low Blender with 3 Ports (right, left and bottom port)	
Plain/No Flowmeters	6750-0025-907
Empty (left/bottom)/Attached 0-15 lpm (right) Flowmeter	6750-0025-930
High/Low Blender with an assembled 0-15 flowmeter and a unique ON/OFF bleed switch	6750-0026-930



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