

## High/Low Flow Blenders

Ohio Medical's Medical Air/O<sub>2</sub> Blenders combine compressed Medical Air and Oxygen to deliver blended pressurized gas at a precise oxygen concentration (FiO<sub>2</sub>) 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 FiO<sub>2</sub>. 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 Blender with ON/OFF Bleed Switch

This blender features an assembled 0-15 lpm flowmeter which is built into the ON/OFF bleed switch on the right side of the blender. The ON/OFF bleed switch is used to increase accuracy when needed and can conserve gas when not in use. When the bleed switch is in the ON position (flowmeter in upright position) the bleed flow is ON providing accuracy from 2-15 lpm from the flowmeter and 2-108 lpm from the bottom port. When the blender is not in use, you can turn the OFF bleed flow to conserve blender gas via the ON/OFF switch. Not turning the bleed flow off results in wasting O<sub>2</sub> at 10-12 lpm even when the switchable flowmeter is turned OFF.

To turn off the bleed flow, simply rotate the flowmeter forward. Rotate the flowmeter back to the upright position and the bleed resumes. It's clear to see from across the room whether the bleed is ON or OFF and you never have to disconnect the flowmeter from the blender.



6750-0026-910  
High/Low Blender with an assembled 0-15 flowmeter,  
attached by a unique ON/OFF bleed switch

### 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", O<sub>2</sub>

**Gas inlet connectors:** Type "DISS", Medical Air (male) and O<sub>2</sub> (female)

**Note: 15 psi = 104 kPa**

**Note:** Ohio Medical's Medical Air/O<sub>2</sub> 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/O<sub>2</sub> 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)
6750-0026-910 High/Low Blender with an assembled 0-15 flowmeter and a unique ON/OFF bleed switch	2.85 lbs (1.29 kg)	5.7"W x 6.7"H x 4.6"D (14.5 x 17.0 x 11.7 cm)	Left: plugged Bottom: 15-120 lpm (bleed OFF) 2-108 lpm (bleed ON) Right: 2-15 lpm (bleed ON)

\*Weights are approximate

Description	Part Number
<b>High/Low Blender (right and bottom port)</b>	
Plain/No Flowmeters	6750-0024-907
Attached 0-15 lpm Flowmeter	6750-0024-910
<b>High/Low Blender with 3 Ports (right, left and bottom port)</b>	
Plain/No Flowmeters	6750-0025-907
Empty (left/bottom)/Attached 0-15 lpm (right) Flowmeter	6750-0025-910
<b>High/Low Blender with an assembled 0-15 flowmeter and a unique ON/OFF bleed switch</b>	6750-0026-910



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Form No. 255460 (Rev.3) 06/15