

Ohio[®] Air/O₂ Blenders

Neonatal to Adult

HIGH FLOW THERAPY ◦ VENTILATOR GAS SUPPLY ◦ NEONATAL RESUSCITATION



DESCRIPTION & SPECIFICATIONS

Ohio Medical's Medical Air/Oxygen blenders combine compressed Medical Air and Oxygen to deliver blended pressurized gas at a precise oxygen concentration (FiO₂) determined by the user. These blenders are suitable for respiratory applications including routine therapy, ventilator gas supply, high flow therapy and neonatal resuscitation. The blenders contain an alarm which warns if either gas source changes by more than 20 psi from the other. Models can be customized with a gas bleed ON/OFF switch to save gas usage and increase accuracy, multiple DISS outlet ports to deliver highly accurate FiO₂ or attached flowmeters in a variety of flow rates.

High & Low Flow Blender Specifications		
	Low Flow	High Flow
Oxygen Concentration Control Adjustment Range	21-100%	21-100%
Flow Range	0-30 L/min	2-120 L/min
Bleed Flow at Auxiliary Port	up to 3 L/min	12 L/min
Maximum Flow	≥30 L/min @ 60% setting & 50 psi (345 kPa) inlet pressures	≥120 L/min @ 60% setting & 50 psi (345 kPa) inlet pressures
Supply Pressures	30-75 psi (207-517 kPa) Medical Air & Oxygen must be within 10 psi (69 kPa) of each other	
Accuracy	±3% of full scale	±3% of full scale
Alarm	Reed alarm activates when inlet gas pressures differ by 20 psi (138 kPa)	
Gas Outlet Connection	Oxygen DISS or close-fit Flowmeters	
Gas Inlet Connection	Medical Air — DISS Male / Oxygen — DISS Female (optional NIST connections are available)	
Warranty	2 years	2 years

Specifications are nominal and subject to change without notice. other configurations may be available; please contact your sales representative for details.

NEO₂ BLEND

This Blender is designed specifically for use in the Neonatal Intensive Care Unit (NICU). It comes with a built-in close fit left side Flowmeter which flows from 1-15 L/min, and a right side Flowmeter which flows from 0.1-1 L/min. It also has a unique Flowmeter Bleed Switch which allows you to turn off the low flow gas bleed without disconnecting anything— simply rotate the right Flowmeter forward 45 degrees to turn off the bleed. Rotate the Flowmeter back to vertical to turn it back on.



6750-0018-907

	ANSI	ISO
NEO ₂ Blend with ON/OFF Bleed Switch & Flowmeters		
15 L/min (left) & 1 L/min (right) Flowmeters	6750-0018-907	6750-0018-927
15 L/min (left) & 15 L/min (right) Flowmeters	6750-0018-910	6750-0018-930
15 L/min (left) & 3.5 L/min (right) Flowmeters	6750-0018-919	6750-0018-939

Replace "6750" with "6751" in part numbers for NIST Inlet Connection.

LOW FLOW BLENDERS

Perfect for Labor, Delivery, Newborn Nursery, Non-intubated Surgical Procedures or anywhere blenders are needed with total flow requirements of 30 L/min or less. Low Flow Blenders deliver increased accuracy at the lowest flow range. Low Flow Blender have a gas bleed rate of 3 L/min.



6750-0022-910



6750-0019-907



6750-0020-907

	ANSI	ISO
Low Flow Blender with ON/OFF Bleed Knob, Left Flowmeter & Bottom Port		
15 L/min (left) Close Fit Flowmeter	6750-0022-910	6750-0022-930

Low Flow Blender with ON/OFF Bleed Knob, Left Port & Bottom Port		
No Flowmeter	6750-0019-907	6750-0019-907
1 L/min DISS Flowmeter	6750-0019-908	6750-0019-928
3.5 L/min DISS Flowmeter	6750-0019-909	6750-0019-929
15 L/min DISS Flowmeter	6750-0019-910	6750-0019-930

Low Flow Blender, Left & Right Ports (No Bottom Port)		
No Flowmeters	6750-0020-907	6750-0020-907
Empty (left) & 15 L/min (right) DISS Flowmeter	6750-0020-910	6750-0020-930
15 (left) & 1 L/min (right) DISS Flowmeters	6750-0020-918	6750-0020-938
15 (left) & 3.5 L/min (right) DISS Flowmeters	6750-0020-919	6750-0020-939
15 (left) & 15 L/min (right) DISS Flowmeters	6750-0020-927	6750-0020-937

Replace "6750" with "6751" in part numbers for NIST Inlet Connection.

HIGH/LOW FLOW BLENDERS

Versatile dual range blender. Ideal for equipment or high flow therapies needing flows from 2-120 L/min, yet also capable of increased accuracy even at a low flow range. High/Low Flow Blenders have a gas bleed rate of 12 L/min.

	ANSI	ISO
High/Low Blender with Flowmeters (No Right Port)		
70 L/min (left) Close Fit Flowmeter	6750-0027-960	6750-0027-970

High/Low Blender, Right & Bottom Ports (No Left Port)		
No Flowmeters	6750-0024-907	6750-0024-907
15 L/min (right) DISS Flowmeter	6750-0024-910	6750-0024-930

High/Low Blender (Left, Right & Bottom Ports)		
No Flowmeters	6750-0025-907	6750-0025-907
Empty (left) & 15 L/min (right) DISS Flowmeter	6750-0025-910	6750-0025-930

Replace "6750" with "6751" in part numbers for NIST Inlet Connection.



6750-0027-960



6750-0024-907



6750-0025-907

Blender Brackets



Wall Bracket
6610-9835-900



Fairfield Rail Bracket
6700-0642-800
(Fits Fairfield Rail)



Pole & Rail Mount Blender Bracket
6700-0643-800



Rail Slide Bracket
6610-9779-900
(Fits Eastern Standard & Heavy Duty Rails)



Dovetail Rail Bracket
6600-0032-900
(Fits Ohmeda Vertical Rail & Ohio Medical Multi Purpose Therapy Stand)



Dovetail Rail Bracket
6700-0641-800
(Fits Modular Vertical Rail)



Pole Mount Blender Bracket
6700-0645-800

Other Blender Accessories



Multi-Purpose Therapy Stand
6700-0025-800
stand only



MiniOX® 200 Analyzers
600200
analyzer with internal sensor



600210
analyzer with external sensor & coiled sensor lead



Inlet Water Trap (DISS Air)
6700-1999-803
Prevents moisture from entering blender

Hose Matrix for Blenders

ISO part numbers are highlighted in gray. Other configurations available; please speak to your sales representative for details.

HS-UUYZ-XXYYC4

Length (in feet)

Color Code

USA **U**
ISO **I**

Gas Type

Medical Air **A**
Oxygen **O**

Hose Connections

Chemetron Male	CM
Chemetron Male with Elbow	CE
DISS Handtight	DH
DISS Handtight with Elbow	HE
DISS Hex Nut	DF
DISS Hex Nut with 90° Elbow	DA
MedStar Male	MM
Ohmeda Male	OM
Ohmeda Male with Elbow	OE
Oxequip Male	XM
Oxequip Male with Elbow	XE
Puritan Male	PM
Puritan Male with Elbow	PE
Schrader Male	SM
Shrader Swivel Adapter	SS
AGA Male	ZM
Australian Male	AH
British Male	BM
French Male	FM
French Male Angled	FE
German Male	GM
German Male Check Angled	GC
German Male no Check Angled	GE
NIST Female	NF
NIST Male	NM
NIST Male Angled	NA

For correct hose matrix follow these rules when selecting inlet and outlet connections:

1. Female fittings first
2. Numbers before letters
3. In alphabetical order

Examples: HS-03UA-DFOMC4
HS-03UO-DCOMC4

Oxygen hose requires DISS Male or DISS Male with Check at Blender.

Medical Air hose requires DISS Nut or DISS Handtight at Blender.



Blender Flowmeters

Configured specifically for blender applications (50 psi operating pressure). Note: ISO part numbers are highlighted in gray.

Flow	Left Port	Right Port
1 L/min	7720-1309-90L	7720-1309-90R
	7720-1315-90L	7720-1315-90R
3.5 L/min	7720-1305-90L	7720-1305-90R
	7720-1319-90L	7720-1319-90R
15 L/min	7720-1260-90L	7720-1260-90R
	7720-1284-90L	7720-1284-90R
70 L/min	7720-1760-90L	7720-1760-90R
	7720-1784-90L	7720-1784-90R
200 cc/min	7720-1316-90L	7720-1316-90R
	7720-1318-90L	7720-1318-90R

