

HELI_O₂

HELIUM OXYGEN BLENDER



A Unique, Modular Design

Made in



Low Flow HELIOX BLENDERS *PM5400 Series*

Specifications



PM5470



PM5480

	PM5480	PM5470
FiO₂ Range	20% - 100%	30% - 100%
Dimensions: (without fittings)	Depth: 4.92" (12.5 cm) Width: 2.25" (5.7 cm) Height: 4.10" (10.4 cm)	
Weight:	2.9 lbs (1.3 kg)	
Operating Temperature:	59°F to 104°F (15°C to 40°C)	
FiO₂ Accuracy:	±3% of full scale	
Bypass Alarm Activation:	18-22 psi (1.2-1.5 bar)	
Primary Outlet Flow Range:	3-30 lpm	
Auxiliary Outlet Flow Range:	0-30 lpm	
Inlet Pressure Range:	30 - 75 psi (2.1 - 5.2 bar) Heliox and Oxygen within 10 psi (0.67 bar) of each other	
Inlet Fitting:	Female DISS or NIST	
Bleed Flow: at 50 psi (3.4 bar)	3 lpm or less	
Maximum Combined Flow: (all outlets)	≥30 lpm	
No. of Primary Outlet Ports:	1	
No. of Auxiliary Outlet Ports:	1	

It's Unique

It is the only free-standing pneumatic HeliO₂ blending device on the market today. The ability to turn the bleed control collar ON or OFF provides ± 3% FiO₂ accuracy as well as quieter operation and maximal Heliox tank durations.

It's Durable and Modular

The tough ABS housing makes the device durable and the selection control knob is recessed to prevent inadvertent changes in FiO₂. The modular design can reduce maintenance time and costs. The device can be easily maintained by all biomed departments.

It's Versatile and User Friendly

The device is available in 4 models, high flow 80/20 or 70/30 and low flow 80/20 or 70/30. When paired with the optional cylinder clamp and pole, clinician set up time is greatly reduced and tank changes are easy. Multiple accessories can conform to clinician and patient needs.



HIGH FLOW HELIOX BLENDERS PM5500 Series

Specifications



PM5570



PM5580

	PM5580	PM5570
F_{IO2} Range	20% - 100%	30% - 100%
Dimensions: (without fittings)	Depth: 4.92" (12.5 cm) Width: 2.25" (5.7 cm) Height: 4.10" (10.4 cm)	
Weight:	2.9 lbs (1.3 kg)	
Operating Temperature:	59°F to 104°F (15°C to 40°C)	
F_{IO2} Accuracy:	±3% of full scale	
Bypass Alarm Activation:	13-25 psi (0.9-1.7 bar)	
Primary Outlet Flow Range:	15-120 lpm	
Auxiliary Outlet Flow Range:	2-100 lpm	
Inlet Pressure Range:	30 - 75 psi (2.1 - 5.2 bar) Heliox and Oxygen within 10 psi (0.67 bar) of each other	
Inlet Fitting:	Female DISS or NIST	
Bleed Flow: at 50 psi (3.4 bar)	13 lpm or less	
Maximum Combined Flow: (all outlets)	≥120 lpm	
No. of Primary Outlet Ports:	1	
No. of Auxiliary Outlet Ports:	1	

Oxygen Flowmeter Conversions

Oxygen flow-meter setting	Corrected Heliox Flow (LPM) at Various F _{IO2} Settings								
	20%	30%	40%	50%	60%	70%	80%	90%	100%
1	1.8	1.6	1.4	1.3	1.2	1.18	1.15	1.02	1.0
2	3.6	3.2	2.8	2.6	2.4	2.4	2.3	2.0	2.0
3	5.4	4.8	4.2	3.9	3.6	3.5	3.5	3.1	3.0
4	7.2	6.4	5.6	5.2	4.8	4.7	4.6	4.1	4.0
5	9.0	8.0	7.0	6.5	6.0	5.9	5.8	5.1	5.0
6	10.8	9.6	8.4	7.8	7.2	7.1	6.9	6.1	6.0
7	12.6	11.2	9.8	9.1	8.4	8.3	8.1	7.1	7.0
8	14.4	12.8	11.2	10.4	9.6	9.4	9.2	8.2	8.0
9	16.2	14.4	12.6	11.7	10.8	10.6	10.4	9.2	9.0
10	18.0	16.0	14.0	13.0	12.0	11.8	11.5	10.2	10.0
11	19.8	17.6	15.4	14.3	13.2	13.0	12.7	11.2	11.0
12	21.6	19.2	16.8	15.6	14.4	14.2	13.8	12.2	12.0
13	23.4	20.8	18.2	16.9	15.6	15.3	15.0	13.3	13.0
14	25.2	22.4	19.6	18.2	16.8	16.5	16.1	14.3	14.0
15	27.0	24.0	21.0	19.5	18.0	17.7	17.3	15.3	15.0
16	28.8	25.6	22.4	20.8	19.2	18.9	18.4	16.3	16.0
17	30.6	27.2	23.8	22.1	20.4	20.1	19.6	17.3	17.0
18	32.4	28.8	25.2	23.4	21.6	21.2	20.7	18.4	18.0
19	34.2	30.4	26.6	24.7	22.8	22.4	21.9	19.4	19.0
20	36.0	32.0	28.0	26.0	24.0	23.6	23.0	20.4	20.0

Oxygen flow-meter setting	Corrected Heliox Flow (LPM) at Various F _{IO2} Settings								
	20%	30%	40%	50%	60%	70%	80%	90%	100%
21	37.8	33.6	29.4	27.3	25.2	24.8	24.2	21.4	21.0
22	39.6	35.2	30.8	28.6	26.4	26.0	25.3	22.4	22.0
23	41.4	36.8	32.2	29.9	27.6	27.1	26.5	23.5	23.0
24	43.2	38.4	33.6	31.2	28.8	28.3	27.6	24.5	24.0
25	45.0	40.0	35.0	32.5	30.0	29.5	28.8	25.5	25.0
26	46.8	41.6	36.4	33.8	31.2	30.7	29.9	26.5	26.0
27	48.6	43.2	37.8	35.1	32.4	31.9	31.1	27.5	27.0
28	50.4	44.8	39.2	36.4	33.6	33.0	32.2	28.6	28.0
29	52.2	46.4	40.6	37.7	34.8	34.2	33.4	29.6	29.0
30	54.0	48.0	42.0	39.0	36.0	35.4	34.5	30.6	30.0
31	55.8	49.6	43.4	40.3	37.2	36.6	35.7	31.6	31.0
32	57.6	51.2	44.8	41.6	38.4	37.8	36.8	32.6	32.0
33	59.4	52.8	46.2	42.9	39.6	38.9	38.0	33.7	33.0
34	61.2	54.4	47.6	44.2	40.8	40.1	39.1	34.7	34.0
35	63.0	56.0	49.0	45.5	42.0	41.3	40.3	35.7	35.0
36	64.8	57.6	50.4	46.8	43.2	42.5	41.4	36.7	36.0
37	66.6	59.2	51.8	48.1	44.4	43.7	42.6	37.7	37.0
38	68.4	60.8	53.2	49.4	45.6	44.8	43.7	38.8	38.0
39	70.2	62.4	54.6	50.7	46.8	46.0	44.9	39.8	39.0
40	72.0	64.0	56.0	52.0	48.0	47.2	46.0	40.8	40.0

Accessories

Bracket/Pole Kit



Ordering Information:

506220	Pole
506032	Bracket
506347	Bracket/Pole Kit (includes 2 Brackets & 1 Pole)

Oxygen Monitor



PM5900

Ordering Information:
PM5900 Oxygen Monitor

Pole Mounts



504778



505013

Ordering Information:

504778	Blender Pole Mount
505013	Oxygen Monitor Pole Mount

Flowmeters



Ordering Information:

	Part Number
0-5 lpm	1MFA3502
0-15 lpm	1MFA1002
0-15 lpm	8MFA1002
0-70 lpm	1MFA8002

For left or right elbow add -L or -R to the end of the Part number.

Heliox Regulator



Ordering Information:
506349 Heliox Regulator

Wall Mount



Ordering Information:
504776 Wall Mount

Hose Assemblies

Ordering Information:

Outlet Type	Gas	Conductive Hose Assembly to Blender	Hose Length
DISS	O ₂	0118/6 ft/9120/0710	6 ft
	Heliox	506248	3 ft
	Custom Heliox	505964/_ ft/504202/505964	_ ft
Ohmeda	O ₂	HA-U1C4-01686	6 ft
Chemetron	O ₂	HA-U1C4-01731	6 ft

Other outlet configurations and custom assembly sizes available upon request.

Custom Assemblies Available

