



REACTHEALTH™
Ventilation

COPD

Quick Reference Guide



- ✦ Suggested Initial Settings
- ✦ Predicted Body Weight to Tidal Volume Charts
- ✦ Flow Cycle Guide



INVASIVE &
NON-INVASIVE



EASILY
TRANSPORTABLE



UP TO 9 HOURS
OF BATTERY LIFE



RECORD, TREND
& MONITOR

React Health™ is an American sleep and respiratory device manufacturer.

SUGGESTED INITIAL SETTINGS

Example Preset 1 Non-Invasive Ventilation

Mode	Vol. Targeted-PS
Patient Type	Adult
Humidification	HME or Humidifier
Circuit Type	Valveless
Breath Rate	10-15 BPM
Inspiratory Time	0.8-1.5 Seconds
Tidal Volume	6-8 mL/kg (IBW)
Pressure Adj. Rate	Slow
MIN PS	4-6 cmH2O
MAX PS	20-25 cmH2O
IntelliPAP	ON
MIN PEEP	5 cmH2O
MAX PEEP	15cmH2O
Flow Trigger	2.0-3.0 L/min*
Flow Cycle ⁴	50-65%
Time Cycle	1.5-2.0 Seconds*
Rise Time	2 or 3*
Alarms	(set alarms according to your protocol)
Inspiratory Pressure	(High) 50 cmH2O

*Always titrate to achieve optimal patient response (WOB, RR, SpO₂, etc.) comfort/tolerance, and patient-ventilator synchrony.

Example Preset 2 High Flow Therapy

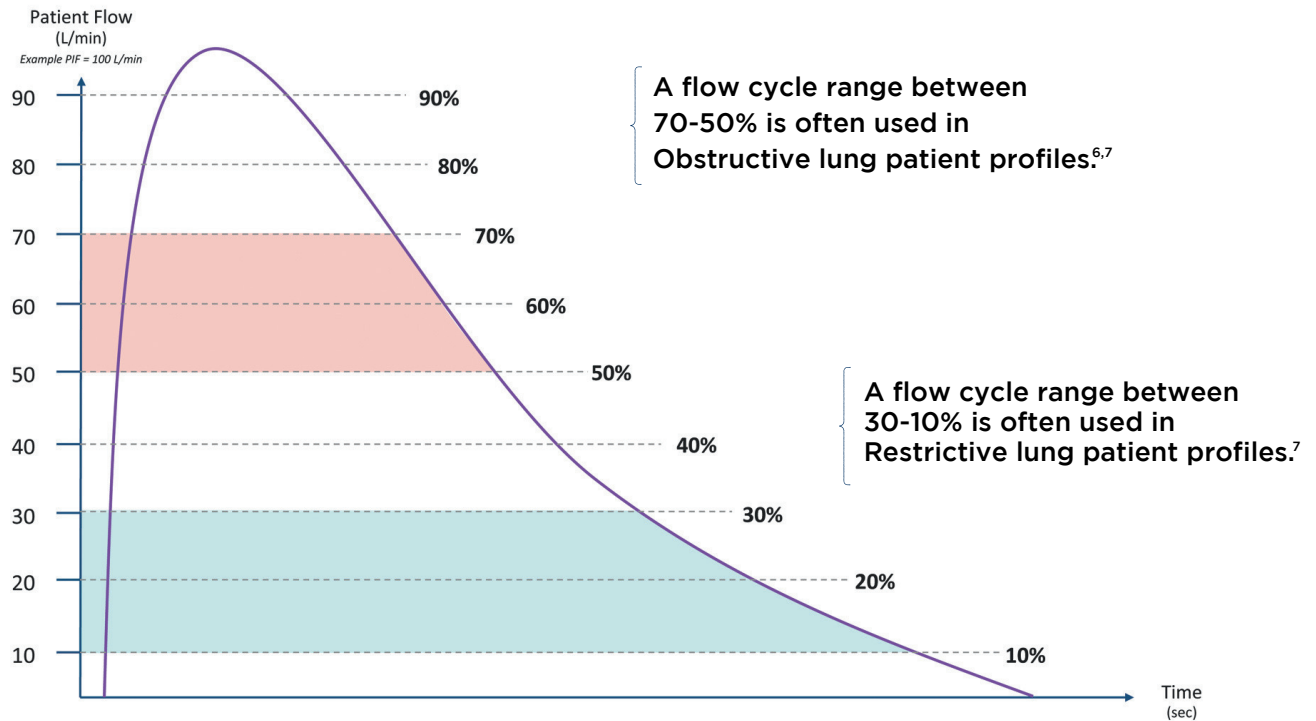
Mode	SIMV- Pressure
Patient Type	Adult
High Flow	ON
Flow ²	20-30 L/min** titrate to protocol or consider suggestions below
Alarms	(set alarms according to your protocol)
High Insp. Pressure	
Patient Circuit Discon.	
High Pressure Delay	

**Start liter flow between 20-30 L/min. Tritrate to the highest flow tolerated by the patient, ideally associated with a decrease in respiratory rate and an improvement in patient reported comfort. Set O₂ liter flow as ordered or titrate liter flow to maintain an SpO₂ 88-92% if approved by the ordering physician.^{2,3}

PREDICTED BODY WEIGHT (PBW) / TIDAL VOLUMES ⁵

MALES							FEMALES						
Height	PBW	4 ml/kg	5 ml/kg	6 ml/kg	7 ml/kg	8 ml/kg	Height	PBW	4 ml/kg	5 ml/kg	6 ml/kg	7 ml/kg	8 ml/kg
4'10"	45.5	182	227	272	318	363	4'7"	34	136	170	204	238	272
4'11"	47.7	191	239	286	334	382	4'8"	36.3	145	182	218	254	290
5'0"	50	200	250	300	350	400	4'9"	38.6	154	193	232	270	309
5'1"	52.3	209	262	314	366	418	4'10"	40.9	164	205	245	286	327
5'2"	54.6	218	273	328	382	437	4'11"	43.2	173	216	259	302	346
5'3"	56.9	228	285	341	398	455	5'0"	45.5	182	228	273	319	364
5'4"	59.2	237	296	355	414	474	5'1"	47.8	191	239	287	335	382
5'5"	61.5	246	308	369	431	492	5'2"	50.1	200	251	301	351	401
5'6"	63.8	255	319	383	447	510	5'3"	52.4	210	262	314	367	419
5'7"	66.1	264	331	397	463	529	5'4"	54.7	219	274	328	383	438
5'8"	68.4	274	342	410	479	547	5'5"	57	228	285	342	399	456
5'9"	70.7	283	354	424	495	566	5'6"	59.3	237	297	356	415	474
5'10"	73	292	365	438	511	584	5'7"	61.6	246	308	370	431	493
5'11"	75.3	301	377	452	527	602	5'8"	63.9	256	320	383	447	511
6'0"	77.6	310	388	466	543	621	5'9"	66.2	265	331	397	463	530
6'1"	79.9	320	400	479	559	639	5'10"	68.5	274	343	411	480	548
6'2"	82.2	329	411	493	575	658	5'11"	70.8	283	354	425	496	566
6'3"	84.5	338	423	507	592	676	6'0"	73.1	292	366	439	512	585
6'4"	86.8	347	434	521	608	694	6'1"	75.4	302	377	452	528	603
6'5"	89.1	356	446	535	624	713	6'2"	77.7	311	389	466	544	622
6'6"	91.4	366	547	548	640	731	6'3"	80	320	400	480	560	640

Flow Cycle Guide



***As evidenced by this rendering, the higher the flow cycle percentage is set to, the shorter the inspiratory phase.**

1. Kaminska M, Adam V, Orr J, Home Noninvasive Ventilation in COPD, 165#6 CHEST JUNE 2024 doi.org/10.1016 j.chest.2024.01.030.
2. Roca, O., Li, J. & Mauri, T. High-flow nasal cannula: evolving practices and novel clinical and physiological insights. Intensive Care Med (2024). <https://doi.org/10.1007/s00134-024-07386-8>
3. Criner GJ, Criner LH, George SA, Thomas JK, Jacobs MR. Feasibility of Using Daily Home High-Flow Nasal Therapy in COPD Patients Following a Recent COPD Hospitalization. Chronic Obstr Pulm Dis. 2022 Jan 27;9(1):4-14. doi: 10.15326/ jcopdf.2021.0236. PMID: 34748694; PMCID: PMC8893969.
4. See Flow Cycle Guide (pg.4)
5. http://www.ardsnet.org/files/pbwtables_2005-02-02.pdf
6. Kaminska M, Adam V, Orr J, Home Noninvasive Ventilation in COPD, 165#6 CHEST JUNE 2024 doi.org/10.1016 chest.2024.01.030
7. Arnal JM, Thevenin CP, Couzinou B, Texereau J, Garner A. Setting up home noninvasive ventilation. Chron Respir Dis. 2019 Jan-Dec;16:1479973119844090. doi: 10.1177/1479973119844090. PMID: 31177830; PMCID: PMC6558539.

Note: This Quick Reference Guide contains limited information. Please refer to the VOCSN Clinical & Technical Manual for detailed use guidance. The settings referenced in this guide are suggestions and do not replace physician orders; please consult with patient physician to make sure that all settings are appropriate for the patient.

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Caution: U.S. Federal law restricts this device to sale by or on the order of a physician. Technical specifications may change.

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