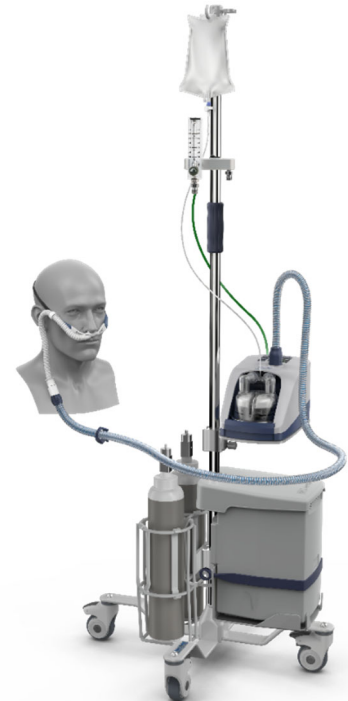


## Nasal High Flow with AIRVO™ 2 for COVID-19 and Beyond

- Nasal High Flow, is a noninvasive therapy that provides a heated, humidified air/oxygen flow up to 60 L/min to spontaneously breathing patients using a high flow nasal cannula (HFNC). Nasal High Flow has been shown to **reduce the rate of intubation** of patients with Acute Hypoxemic Respiratory Failure (AHRF)<sup>1</sup>, which may aid in **ventilator preservation** for more acute patients.
- Coronavirus disease (COVID-19), is caused by a severe acute respiratory coronavirus 2 (SARS-CoV-2) infection. Approximately 20-30% of COVID-19 patients develop severe COVID-19 disease that requires hospitalization and oxygen support, and approximately 5-10% of COVID-19 patients require admission to an intensive care unit.
- The AIRVO 2 provides Nasal High Flow up to 60 L/min through a unique Optiflow™ nasal cannula (HFNC). The AIRVO 2 has an integrated flow generator and can deliver Nasal High Flow anywhere in the hospital independent of medical air supply. Supplemental medical oxygen up to 60 L/min can be added to the AIRVO 2 to increase the delivered oxygen concentration. The AIRVO 2 can also be used during patient transport using an optional uninterruptable power supply that provides 30 mins runtime at 60 L/min flow.
- Published national and international guidelines for the treatment and management of COVID-19 patients (including National Institutes of Health<sup>2</sup>, American Thoracic Society<sup>3</sup> and Society of Critical Care Medicine<sup>4</sup>), describe the use of Nasal High Flow as the first-line respiratory support over conventional oxygen therapy and noninvasive positive pressure ventilation.
- Published COVID-19 results where Nasal High Flow is the first-line respiratory support, have shown a reduction in the rate of mechanical ventilation and overall mortality in patients with COVID-19 infection<sup>5</sup>.

AIRVO 2 Setup	
Item Number	Item Description
<b>Capital</b>	
PT101US	AIRVO™ 2 Flow Generator & Humidifier
<b>Capital Accessories (One Time Purchase)</b>	
900PT405	AIRVO Pole Mounting Tray
900PT421	Mobile Pole Stand
900PT426	Accessories Basket
R220P87-001	Single Flowmeter Manifold (0-70L/min)
<b>Patient Consumables</b>	
900PT561	AIRVO AirSpiral Tube & Chamber Kit
OPT942	Optiflow+ Nasal Cannula - Small
OPT944	Optiflow+ Nasal Cannula - Medium
OPT946	Optiflow+ Nasal Cannula - Large



Example patient setup on AIRVO 2

<sup>1</sup> [Frat, JP. et al. High-Flow Oxygen through Nasal Cannula in Acute Hypoxemic Respiratory Failure. N Engl J Med. May 2015.](#)

<sup>2</sup> [National Institutes of Health](#)

<sup>3</sup> [American Thoracic Society](#)

<sup>4</sup> [Society of Critical Care Medicine](#)

<sup>5</sup> [Patel et al. Use of High Flow Therapy to Treat Moderate to Severe Hypoxemic Respiratory Failure in COVID-19. medRxiv 2020.05](#)