



NITROUS FLOWMETERS & COMPONENTS

# FlowStar Touch & Analog

Bringing Nitrous Oxide / Oxygen Sedation  
to the next level with multiple innovations

**AIR**  
**TECHNIQUES** equipped for life®

# FlowStar

## Our Newest Member of the All-Star Team

- 2024:** FlowStar Nitrous Equipment
- 2022:** FlowStar Double Nasal Hoods & Scavenging Circuits
- 2021:** Mojave Vent-Less and VacStar Vent-Less Systems, Mojave LT 5 Dry Vacuum
- 2020:** Mojave Mobile Vacuum Solution & Acadia Plus
- 2017:** Mojave LT3
- 2016:** AirStar 100 Air Compressor
- 2015:** AirStar NEO Air Compressor, VacStar NEO Wet Vacuum System
- 2012:** Mojave Dry Vacuum
- 2010:** Acadia Amalgam Separator
- 2009:** Next Generation VacStar
- 1987:** VacStar
- 1972:** A-Series Compresso Dri: The first Oil-Less Air Compressor
- 1962:** Air Techniques was founded in Hicksville, NY; Dento Dri



Air Techniques is the pioneer in air compressors and vacuum systems since 1962. We are grateful that dentists trust in our products for over 60 years. This trust made us the most sold brand for utility room products in the USA and in Canada.

Nitrous Oxide / Oxygen scavenging systems benefit from a high quality vacuum system. With the help of a reliable vacuum system it can be administered safely within your practice. Nitrous Oxide / Oxygen Sedation is the next natural fit for Air Techniques.

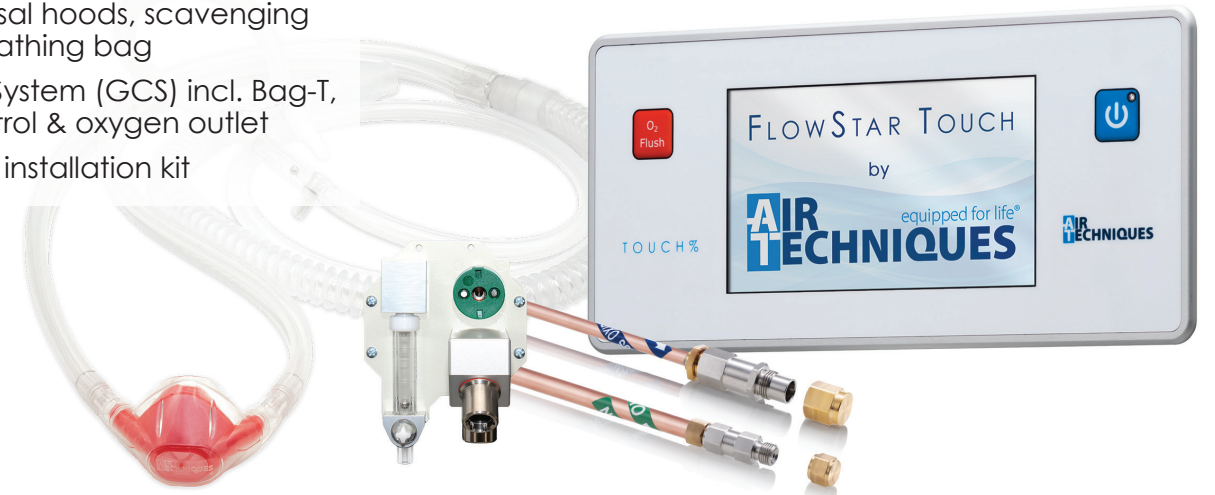


**DIFFERENT AT FIRST SIGHT**



# 1 FlowStar Touch Package

- FlowStar Touch
- Single use nasal hoods, scavenging circuits & breathing bag
- Gas Control System (GCS) incl. Bag-T, vacuum control & oxygen outlet
- DISS piping & installation kit



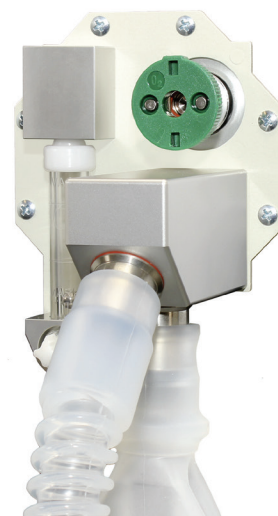
## GCS Mounting Options

# FlowStar Touch Digital Mixer Flowmeter

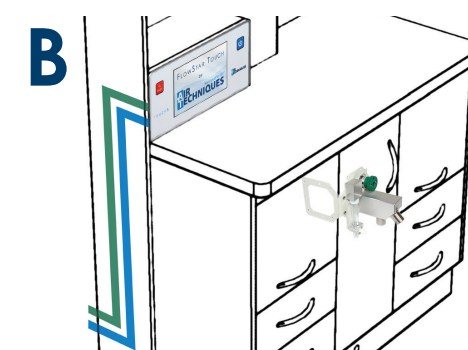
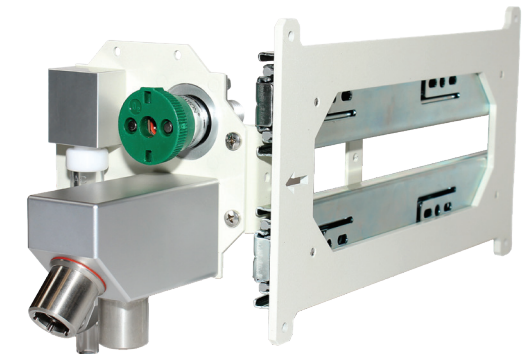
FlowStar Touch is the next generation of nitrous oxide sedation Flowmeter that combines timeless elegance with superior technology. The innovative flat touchscreen control fits perfectly with a modern practice.

### Key Features:

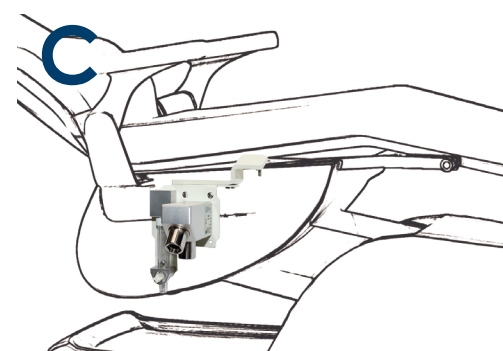
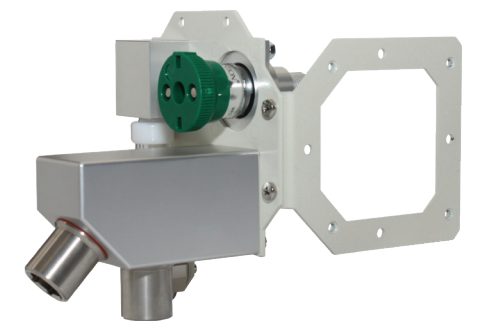
- Easy to use touchscreen saves time
- Automatic fail-safe protection to shut off nitrous when there's a loss of oxygen for patient safety
- 18L total flow rate for treating patients with larger lung capacity
- Acoustic and visual information signals for patient safety
- Integrated error and assessment memory
- Auto compensating feature controls total gas flow when adjustments are needed saving time and money
- Positioning of gas delivery and Scavenging control for more flexible installations



**Slide Mount**  
Package Part No.: NFT6410  
Universal mounting (left, right, center)



**Fixed Bracket**  
Package Part No.: NFT6420



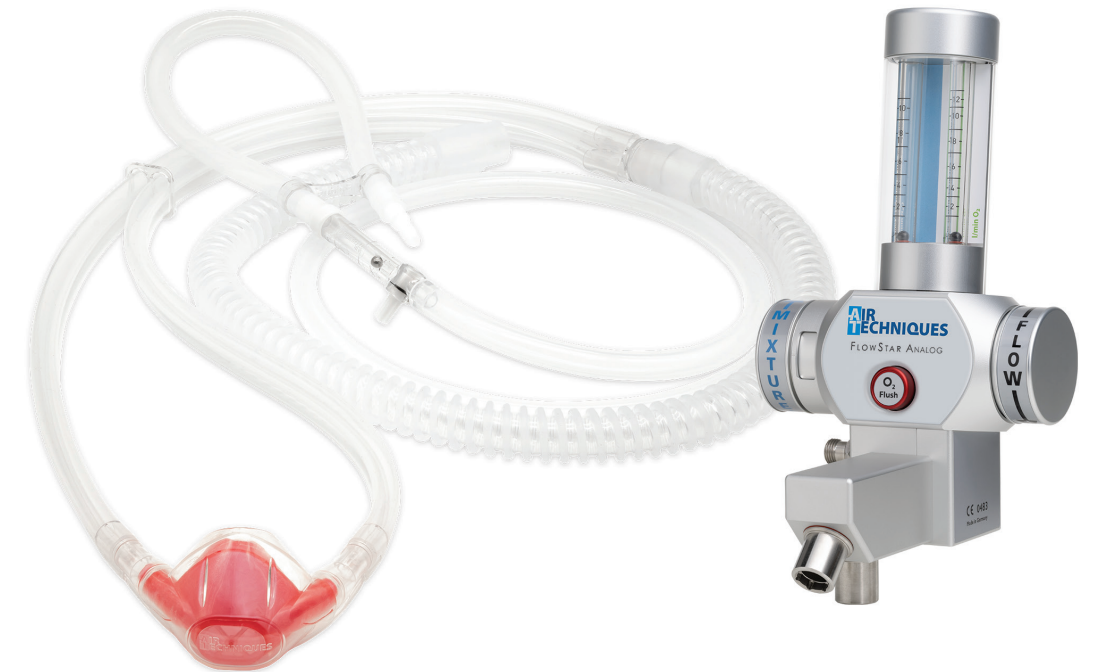
**Chair Mounting System**  
Package Part No.: NFT6430  
Uncluttered & safe work zone





## 2 FlowStar Analog Package

- FlowStar Analog
- Single use nasal hoods
- Scavenging circuits with VAC-control & breathing bag



FlowStar Analog Mounting Options

## FlowStar Analog Analog Mixer Flowmeter

The FlowStar Analog is built with high quality, wear resistant materials and offers many functions, which are highly valued by users in the everyday practice. The auto-compensating total flowrate secures a balance between oxygen and nitrous gas when adjusting N2O percentage, which saves time and costs.

### Key Features:

- One knob operation which controls total gas flow when adjusting to save time and money
- 18L total flow rate for treating patients with larger lung capacity
- Audio warning sound for low oxygen prevents disruption during procedures
- High quality & wear resistant materials for more reliability & longevity



### A

#### Mobile Cart

Package Part No.: NFA4410

- 5-leg base mobile mount
- Two locking wheels
- Adjusts 31-38" (top of Flowmeter)



### B

#### Wall & Cabinet Mount

Package Part No.: NFA4420

- Telescoping swing wall arm (180°)
- Height: 8" | Width: 3"
- Telescoping arm extends 6"
- Including mounting stud



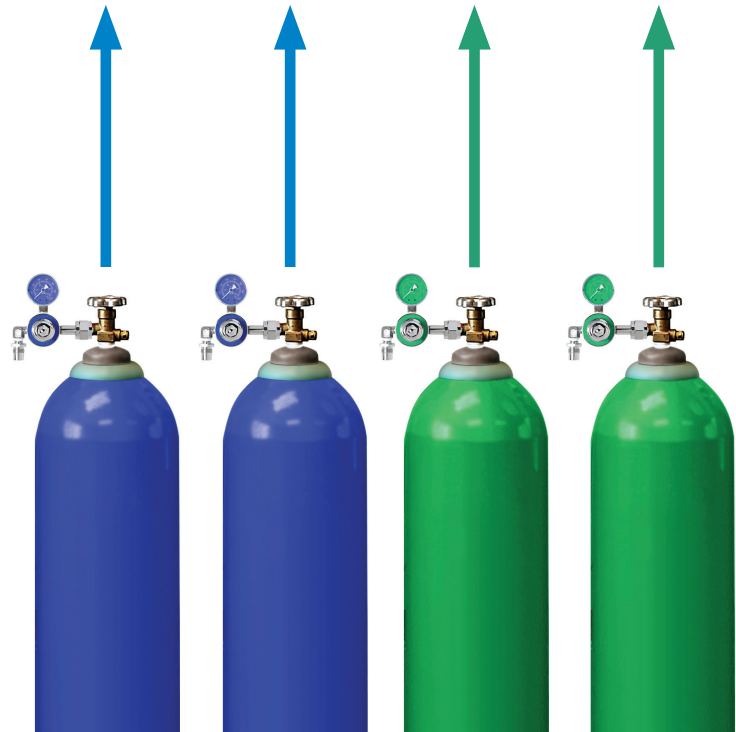
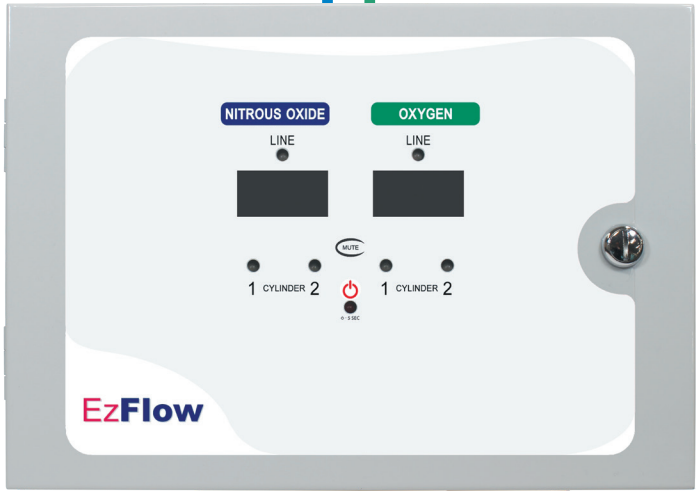
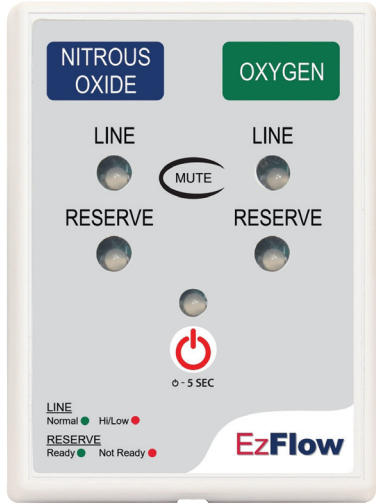
# Components for Piping Systems

## 3 Manifold System

### Manifold System incl. Alarm panel

Part No.: NMS9100

- Easy to read LED display indicates gas pressure and cylinder status
- Fully Automatic Changeover from in-use to reserve cylinders
- Sensors monitor gas supply both upstream and downstream when emergency shut off / zone valve is in use
- Complies with NFPA99



### A Emergency Shut Off / Zone Valve



Optional Valve Box  
Part No.: NZ9200

- In office emergency shut off for oxygen and nitrous
- Downstream pressure sensors monitor gas pressures.

### B Wall Outlet Installation



Double  
Part No.: NO9402

- Versions:
- Ohio/Ohmeda QC Oxygen & Nitrous oxide

### C



Triple  
Part No.: NO9403

- Versions:
- Ohio/Ohmeda QC Oxygen & Nitrous oxide



## 4 Portable E-Stand

- Portable E-Stand
- Cylinder restraint straps
- Large 3 inch casters with locks (2)
- Mounted handle for easy of movement



## Portable E-Stand All in One Solution

The portable E-stand is our all in one solution that combines the modern FlowStar Analog Flowmeter and clear breathing circuit with our portable E-stand. The mobility offers flexibility to be used throughout the practice when a piping system is not an option. The E-stand holds two oxygen and two nitrous oxide E-cylinders and they are secured with safety restraints.

### Key Features:

- All in one solution
- No piping system required
- Large 3" wheels secure product from tipping over threshold
- Two locking wheels
- Check valves prevent cross filling of cylinders, restraints secure the cylinders when moving
- Height adjustment break



### E-Stand Package

Package Part No.: NFA4422

- FlowStar Analog
- Portable E-Stand
- Single use nasal hoods
- Scavenging circuits with VAC-control & breathing bag
- Cylinders not included



### E-Stand

Part No.: NES4400

- E-Stand only available.



*Upgrade your package with:*  
**Emergency Demand Valve & Resuscitator**

- Provides fast, effective method to ventilate the non-breathing patient
- Provides 40 L / min. manual flow preventing gastric distention and in excess of 140 L / min. flow on demand by the patient



Compatible with most nitrous oxide / oxygen Flowmeters

## 5 Double Nasal Hoods



## Scavenging Circuits & Nasal Hoods

Nitrous Oxide / Oxygen Scavenging Circuits. Fully autoclavable scavenging circuit provides for safer delivery and monitoring

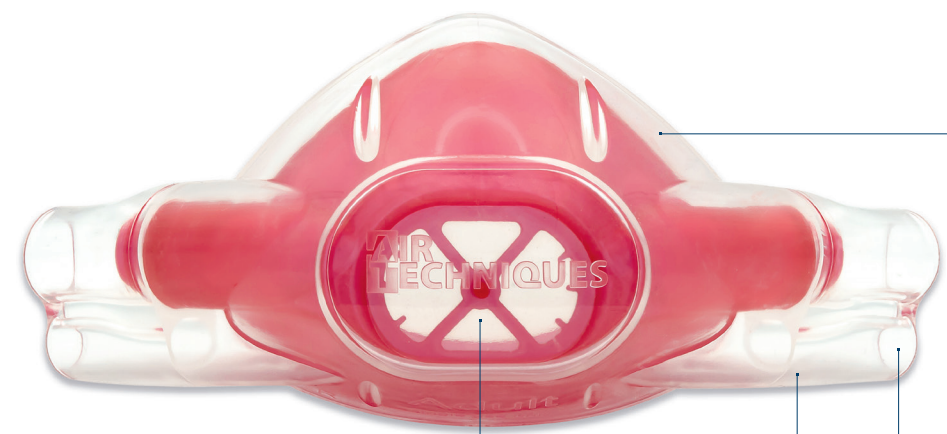
### CO2 Adaptor for Nasal Hoods



### Autoclavable Nasal Hoods



## Innovations at a Glance

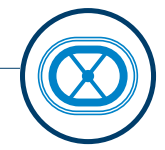


### Patient Comfort



- Soft inner hood improves seal and patient comfort
- Clear outer hood sits closer to the patient's face, increasing scavenging efficiency of exhaled gases and allowing visual monitoring of patient's breathing
- Latex-free material protects patients and staff who have latex allergies

### Safety for Staff



- Double hood design minimizes ambient nitrous oxide in the operator
- Air Techniques Nasal Hoods utilize an oval exhalation valve that directs exhaled gases to the built-in scavenger "flow channels", maximizing efficiency US patented\*

### Compatible

- Universal fit with other double tubing scavenging circuits allows for use of your existing systems with the Air Techniques Double Nasal Hoods



### Size Matters

- **Size Matters!** Lower profile provides improved "sight line" visibility for the dental staff and therefore allows better access to the oral cavity
- **Accurate fit!** The softer inner hood seals to the face to ensure proper gas delivery to the patient

\*US Patented: US D875,240, US D875,239, US D875,238

# FlowStar Products and Parts

## DIGITAL FLOWSTAR - Section 1

Part Number	Product/Package	Description
NFT6000	1	Flow Star Touch Package
NFT6410	1+A	Touch Flowmeter package, GCS, cabinet slide, DISS piping kit, Gas hoses, installation package
NFT6420	1+B	Touch Flowmeter package, GCS, Fixed bracket, DISS piping kit, Gas hoses, installation package
N32002		Cabinet slide bracket only for GCS (Bag Tee, VCB, O2 QC)
NFT6430	1+C	Touch Flowmeter package, GCS for chair mounting, remote O2 outlet, DISS piping kit, Gas hoses, installation package Chair mounting

Please scan QR code for details regarding GCS chair mounting systems.



## ANALOG FLOWSTAR - Section 2

Part Number	Product/Package	Description
NFA4000	2	FlowStar Analog Package
NFA4410	2+A	Analog Flowmeter package, Mobile Stand for FlowStar Analog Flowmeter 5 leg base w/wheels and meter mounting post
NMS0400		Mobile Stand for FlowStar Analog Flowmeter 5 leg base w/wheels and meter mounting post
NFA4420	2+B	Analog Flowmeter package, Along wall bracket with mounting stud and nut
N32001		Analog wall bracket with mounting stud and nut

## PIPING SYSTEM COMPONENTS - Section 3

Part Number	Product/Package	Description
NMS9100	3	Complete Automatic Changeover Manifold System with Wall mounted Alarm, 2 + 2, with pre-install kit
NZ9200	A	Zone/Emergency Shut-off Valve, Manual shut-off, pressure switches, Pressure Gauges
NO9402	B	Ohio/Ohmeda QC double wall (concealed) gas outlet, O2 and N2O
NO9403	C	Ohio/Ohmeda QC triple wall (concealed) gas outlet, O2, N2O, Vac

## PORTABLE E-STAND - Section 4

Part Number	Product/Package	Description
NFA4422	4	Analog Flowmeter package, 5 leg base w/stand, E-Block assembly
NES4400		4 cylinder mobile E-stand assembly complete with 5 leg base, e-block assembly, and pressure hoses (O2 and N2O)

## EMERGENCY EQUIPMENT - Section 4

Part Number	Description
NDV1020	Oxygen Demand valve Resuscitator with 6 ft long DISS x DISS hose, Full face mask, Ohio/Ohmeda QC fitting
NDV1010	Oxygen Demand valve Resuscitator with 6 ft long DISS x DISS hose, Full face mask
NDV5000	Oxygen Demand valve Resuscitator with 6 ft long DISS x DISS hose, Full face mask, Premium Oxygen E-cylinder regulator with Pressure gauge, 2 DISS hi-flow connection, and adjustable LPM flow control with canula barb, Mobile Cart for E-cylinder

## SCAVENGING CIRCUITS - Section 5

Part Number	Description
NSP0010	Vacuum Control Block
NSP0020	Tension Slider Adjuster on the Double Tube
NSP0030	Double Tube Assembly Kit, Autoclavable; Content: Double Tube with 2 Nasal Hood Connectors, Tension Slider, Y-Connectors on Vacuum Tube and Fresh Gas Spiral Tube
NSP0040	Nasal Hood Connectors to Double Tube (Set of 4)
NSP0050	Fresh Gas Spiral Tube (3 ft), Silicone
NSP0060	Fresh Gas Spiral Tube Silicone (6 ft, option)
NSP0070	Vacuum Tube, Silicone
NSP0080	Double Tube, Silicone (Set of 2)
NSP0090	Vacuum Tube Loop Hanger
NSP0100	Y-Connector on Fresh Gas Spiral Tube (Large Y)
NSP0110	Y-Connector on Vacuum Tube (Small Y)
NSP0120	Tension Slider Adjuster on the Double Tube
NSP0130	Adapter for HVE/Saliva Ejector
NSP0142	Autoclavable Reservoir Breathing Bag for the Scavenger Circuit (2.3 liter, Pediatric size)
NSP0143	Autoclavable Reservoir Breathing Bag for the Scavenger Circuit (3 liter, Adult Size)
NSP0150	Autoclavable Oval Exhalation Membrane/Valve for Inner Hood (Set of 5, For use with Autoclavable nasal hoods only)

## FLOWSTAR DOUBLE NASAL HOOD, SINGLE USE - Section 5

Part Number	Description
NHA12BD	Adult, Blueberry Dance Scent
NHP12BD	Pediatric, Blueberry Dance Scent
NHA12SD	Adult, Strawberry Delight Scent
NHP12SD	Pediatric, Strawberry Delight Scent
NHP12BB	Pediatric, Bouncy Bubble Scent
NHA12CV	Adult, Chilla Vanilla Scent
NHP12CV	Pediatric, Chilla Vanilla Scent
NHA12PG	Adult, Pure Ghost Non Scented
NHP12PG	Pediatric, Pure Ghost Non Scented
NHAA101	Adult, Autoclavable, Clear, Non Scented
NHAP101	Pediatric, Autoclavable, Clear, Non Scented

## FLOWSTAR DOUBLE NASAL HOOD, SINGLE USE / CO2 ADAPTERS - Section 5

Part Number	Description
NHA12BD-CO2	Adult, Blueberry Dance Scent, 12 pack of CO2 adapters
NHP12BD-CO2	Pediatric, Blueberry Dance Scent, 12 pack of CO2 adapters
NHA12SD-CO2	Adult, Strawberry Delight Scent, 12 pack of CO2 adapters
NHP12SD-CO2	Pediatric, Strawberry Delight Scent, 12 pack of CO2 adapters
NHP12BB-CO2	Pediatric, Bouncy Bubble Scent, 12 pack of CO2 adapters
NHA12CV-CO2	Adult, Chilla Vanilla Scent, 12 pack of CO2 adapters
NHP12CV-CO2	Pediatric, Chilla Vanilla Scent, 12 pack of CO2 adapters
NHA12PG-CO2	Adult, Pure Ghost Non Scented, 12 pack of CO2 adapters
NHP12PG-CO2	Pediatric, Pure Ghost Non Scented, 12 pack of CO2 adapters
NHCO2-K	Adapters only, 12 per bag for Flowstar Nasal Hoods





[airtechniques.com](http://airtechniques.com)

## Over 60 Years of Proven Performance

Air Techniques is the pioneer in air compressors and vacuum systems since 1962. We are grateful that dentists trust in our products for over 60 years. This trust made us the most sold brand for utility room products in the USA and in Canada.



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