

# Invacare® Aerosol Products



Yes, you can.™

Invacare is pleased to introduce an updated aerosol product catalog that features our new family of aerosol compressors: The Stratos™ Pro, Compact and Portable Desktop. The performance, reliability and value that providers and patients have come to expect from Invacare’s current line of aerosol compressors, nebulizers, and accessories is now available in the brand new Stratos units.

The Stratos Portable Desktop Aerosol compressor/nebulizer system is the latest in a long line of aerosol products to be introduced by Invacare. This sleek new portable compressor offers all of the desired features of a modern aerosol delivery device in one compact package: performance, convenience, style, simplicity and economy. Small enough to fit in the palm of a hand, yet powerful enough to deliver a fast, effective aerosol treatment, the new Stratos Portable unit is the ideal aerosol compressor for those who desire mobility, expediency and efficiency in their aerosol delivery device. The accessory package that accompanies the Portable unit includes a high-performance, custom reusable nebulizer with mouthpiece and tubing, an AC power cord, a DC car adapter, and a convenient carrying case. In addition, a custom battery pack for the Portable unit is available as a separately purchased item.

The Stratos Compact and Pro aerosol compressors are high quality tabletop piston compressors. Both the Compact and Pro units are durable, stylish and economical – premium products that are priced to fit the needs of the managed-care market. Each unit comes with a 5-year limited warranty and nebulizer parking post. The Stratos Pro also offers a hidden storage area for the unit’s power cord. And, like the current aerosol compressor offerings, both are packaged with a high-performance disposable SideStream® nebulizer. With the launch of the three Stratos units, providers and patients will now be able to satisfy all of their nebulizer/compressor and accessory needs through one great family of Invacare aerosol product offerings.



## Table of Contents

Stratos™ Portable Desktop Nebulizer Compressor	2
Stratos™ Compact Aerosol Compressor	3
Stratos™ Pro Aerosol Compressor	4
Envoy™ Aerosol Compressor	5
Envoy™ Jr. XP Aerosol Compressor	6
Aerosol Compressors	7
Sidestream® Nebulizers	8
VixOne® Nebulizers	9
Asthema Management	10
Aerosol Tubing	11

For Oxygen Products, please refer to form no. 05-054.  
 For Sleep Therapy Products, refer to form no. 03-061.



## Invacare® Stratos™ Portable Aerosol Compressor

Model no. IRC1720

Invacare Stratos Portable is a sleek, new portable compressor that offers the speed, ease-of-use and stylish design in one compact package. Small enough to fit in the palm of a hand, it is ideal for those who desire mobility, expediency and efficiency in an aerosol delivery device.

### Specifications

- Dimensions: 4" (l) x 3.5" (w) x 1.5" (h)
- Weight: 0.9 lbs (.4 kg) – without battery pack  
1.25 lbs (.55 kg) – with battery pack
- Maximum compressor pressure – 35 PSI
- Maximum flow rate – 5.2 LPM
- Noise level – 53 dB
- Nebulizer Rate - 0.35 ml/minute
- Particle size - < 5 microns

### Model Selection Guide

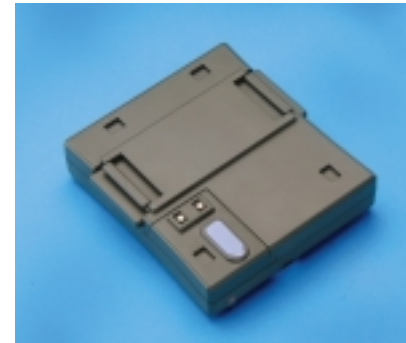
Model no.	Units/Case	Limited warranty	Description
IRC1720	1	3 years	Stratos Portable aerosol compressor with low-flow nebulizer, AC power cord, DC car adapter & carrying case
IRC1721	1	n/a	Battery pack for Stratos Portable
IRC1722	1	n/a	Stratos Portable carrying case
IRC1725	1	n/a	Stratos Portable reusable nebulizer kit

### FEATURES

- Mobile – small size, quiet operation and battery pack (sold separately) allow the unit to be used almost anywhere.
- Flexible – can be powered using the AC power cord in a wall outlet, using the DC adapter in a car, or using the optional battery pack.
- Durable – three year limited warranty
- Economical – premium product that is priced to fit the needs of the managed-care market
- UL Listed



Stratos Portable with reusable nebulizer and battery pack (sold separately).



IRC1721 Battery Pack (sold separately).



Reusable nebulizer with tubing, DC car adapter, AC power cord and carrying case all come standard with Stratos Portable unit.



**FEATURES**

- Economical – premium product that is priced to fit the needs of the managed-care market
- Stylish – updated design and color
- Durable – five year limited warranty
- Nebulizer parking post
- Packaged with high speed disposable Sidestream® nebulizer
- Co-label program available
- UL listed



IRC1710 Stratos Compact Aerosol Compressor.

**Invacare® Stratos™ Compact Aerosol Compressor**

Model no. IRC1710

Invacare Stratos Compact is a sleek, new piston compressor that offers stylish design, quality and economy in one compact package. Small enough to fit in a small counter-top space, yet powerful enough to deliver a fast, effective aerosol treatment, it is ideal for those who desire expediency, efficiency and simplicity in their aerosol delivery device.

**Specifications**

- Dimensions: 7" (l) x 6.2" (w) x 4" (h)
- Weight: 3.5 lbs (1.6 kg)
- Maximum compressor pressure: 33 PSI
- Typical operating pressure: 11 - 16 PSI
- Typical operating flow rate: 4 - 8 LPM

**Model Selection Guide**

Model no.	Units/Case	Limited warranty	Description
IRC1710	1	5 years	Stratos Compact aerosol compressor
IRC1711	1	n/a	Stratos Compact carrying case



**FEATURES**

- Economical – premium product that is priced to fit the needs of the managed-care market
- Stylish – updated design and color
- Durable – five year limited warranty
- Convenient carrying handle
- Hidden storage area for the power cord
- Packaged with high speed disposable Sidestream® nebulizer
- UL listed



*Convenient carrying handle for ease of transportation.*

**Invacare® Stratos™ Pro Aerosol Compressor**

Model no. IRC1700

Invacare Stratos Pro is a sleek, new piston compressor that offers style, speed and quality in one premium package. It fits neatly into a small space, yet it is powerful enough to deliver a fast, effective aerosol treatment. The Stratos Pro is ideal for those who desire expediency, efficiency and simplicity in an aerosol delivery device.

**Specifications**

- Dimensions: 9.5" (l) x 7" (w) x 4.5" (h)
- Weight: 4.2 lbs (1.85 kg)
- Maximum compressor pressure: 39 PSI
- Typical operating pressure: 11 - 16 PSI
- Typical operating flow rate: 5 - 8 LPM

**Model Selection Guide**

Model no.	Units/Case	Limited warranty	Description
IRC1700	1	5 years	Stratos Pro aerosol compressor
IRC1701	1	n/a	Stratos Pro carrying case



*Handle retracts when not in use.*



## Invacare® Envoy™ Aerosol Compressor

Model no. IRC1192

The Invacare Envoy aerosol compressor provides an economical aerosol delivery system for managing the care of your respiratory patients. Small and lightweight, the Envoy is an ambassador of Invacare quality.

### FEATURES

- Dual-function contoured handle holds nebulizer and allows for easy handling
- Reusable inlet filter for simple, cost-effective maintenance
- UL and CSA listed
- Large storage compartment holds nebulizer and supplies
- Hidden storage for electrical cord
- Short treatment times (7-9 minutes typical)\*
- High percentage of particles below 5 microns (80% typical)\*

\*With the Invacare reusable or disposable Sidestream® nebulizer.

## Specifications

Dimensions	
Width	11" (27.9 cm)
Height	4.4" (11.2 cm)
Depth	8.5" (21.6 cm)
Weight	4.6 lb. (2.1 kg)
Shipping weight	6.1 lb. (2.8 kg)
Running current	115 volts 1.5 amps (approx.)
Thermal protector	UL 547 "Class B"
Maximum compressor pressure	35-45 psig**
Operating pressure (typical)	11 psig
Operating flow rate (typical)	6-7 lpm

\*\*Actual values depend on environmental conditions.




Storage compartment easily accommodates nebulizer and tubing. Contoured handle provides a resting place for nebulizer.

Shown with disposable Sidestream nebulizer.



Hidden and convenient storage for electrical cord.

## Model Selection Guide

Model no.	Units/Case	Limited warranty	Description	Plug	Voltage
IRC1192	1	5 years	Envoy aerosol compressor with disposable Sidestream nebulizer and two-wire polarized flat-blade plug		115 volts, 60 Hz

The Envoy aerosol compressor is available in a wide variety of 220-volt export models. Please contact your Invacare Territory Business Manager or Customer Service for details.



**FEATURES**

- Economically priced to meet the needs of the managed-care market
- Five year limited warranty
- Small footprint makes it easy to store
- Parking post provides convenient resting place for nebulizer
- Base cord wrap makes unit more compact for travel
- Aerodynamic shape and compact design make it easy to clean and store
- Packaged with high-speed disposable Sidestream® nebulizer
- Co-label program available
- UL listed



*Disposable Sidestream nebulizer comes standard with the Envoy Jr. XP.*

**Invacare® Envoy™ Jr. XP Aerosol Compressor**

Model no. IRC1001

The Invacare Envoy Jr. XP is a high quality, economical compressor for aerosol treatment delivery. This compressor is not only efficient and cost effective, it's also simple to use. With this type of convenience, it's obvious the Envoy Jr. XP was designed with your patients in mind.

**Specifications**


Height	7" (17.8 cm)
Weight	3.5 lb. (1.6 kg)
Shipping weight	4 lb. (1.8 kg)
Running current	115 volts 1.8 amps (approx.)
Thermal protector	UL 547 "Class B"
Maximum compressor pressure	20-35 psig*
Operating pressure (typical)	11-15 psig
Operating flow rate (typical)	5.5 - 6 lpm**

\*Actual values depend on environmental conditions.



*Convenient cord wrap is built into base. Located on back of unit is the on/off switch.*

**Model Selection Guide**

Model no.	Units/Case	Plug	Description
IRC1001	1		Envoy Jr. XP aerosol compressor with disposable Sidestream nebulizer and two-wire polarized flat-blade plug
IRC1002	1	n/a	Carrying case for Envoy Jr. XP



*Attractive carrying case makes it easy to travel with the Envoy Jr. XP*



### Invacare® MOBILAIRE™ 50 PSI Compressor

Model no. IRC607

The durable Invacare MOBILAIRE 50 psi compressor is ideal for use with medications that require more flow and pressure for proper nebulization.

#### FEATURES

- Low-noise operation
- Easy-to-read pressure gauge
- Non-marring rubber feet
- Suction-cup feet for stable operation
- Durable piston
- Adjustable pressure
- Optional J-tube (IRC5070) available
- UL and CSA listed

#### Specifications

Dimensions	8" l x 8" w x 10.5" h
Weight	11.3 lb.
Pressure range	0-50 psi
Operating pressure	7 lpm at 23 psi nominal with a filtered nebulizer system
Electrical requirements	115 VAC/60 Hz, 1/8 hp shaded pole motor

#### Model Selection Guide

Model no.	Units/Case	Limited warranty	Description
IRC607	1	1 year	50 psi compressor, 115 VAC/60 Hz



### Invacare® Aspirators

Model nos. IRC1135

The Invacare aspirator is a durable suction unit designed for most home care suction requirements\*.

#### FEATURES

- High-performance vacuum specifications
- Adjustable vacuums from 0" to 22" Hg
- Durable piston vacuum pump
- Easy-to-read gauges
- Non-marring rubber feet
- Single-use collection jars and connecting tubing for quick and easy replacement (1 set included)
- UL and CSA listed

#### Specifications

Dimensions	13" l x 5.5" w x 10.25" h
Weight	10.4 lb.
Vacuum range	0-560 mm Hg 0-22" Hg
Air flow	0-34 lpm
Electrical requirements	115 VAC 60 Hz, 1/10 hp shaded pole motor

#### Model Selection Guide

Model no.	Units/Case	Limited warranty	Description
IRC1135	1	1 year	Aspirator, 115 VAC/60 Hz
IRC1140	10	n/a	Disposable collection jars, 800 cc capacity, 6 ft. suction tubing

\*The Invacare aspirator is available in a 220-volt export model (IRC1136). Please contact your Invacare Territory Business Manager or Customer Service for details.





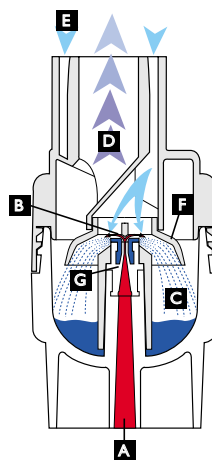
## Invacare Sidestream® Nebulizers

Model nos. MS2400, MS2200

Invacare Sidestream nebulizers are high-performance, highly efficient units. The Sidestream features an open Venturi system which boosts respirable output for fast medication delivery and low residual volume. Superior performance makes the Sidestream nebulizer one of the most clinically effective aerosol therapy solutions.

### FEATURES

- Maximized particle size – 80% of drug particles are below 5 microns when operated at 6 lpm (85% at 8 lpm) as compared to 50% with a traditional nebulizer
- Shorter treatment times due to Venturi system – Sidestream can deliver 2.5 ml in 6.7 minutes at 6 lpm, compared to 10 minutes with a traditional nebulizer
- Venturi effect makes delivery of medication less dependent on user technique, thereby minimizing residual volume for improved medication delivery
- Nebulizer output reaches up to 16 lpm at 6 lpm delivery, approximately 140% more output than traditional nebulizers
- Available in disposable or reusable (lasts for 6 months) models with identical performance
- Reusable Sidestream is dishwasher safe and can be boiled for sterilization
- Disposable Sidestream is standard and included with the Invacare® Envoy™ and Invacare® Envoy™ Jr. XP aerosol compressors



### Cross-Section of the Sidestream Nebulizer

- A** Compressed air is supplied to the jet, which hits the baffle and is split into two high-velocity side streams
- B** The liquid is drawn up the baffle under high-velocity air streams to form a film of liquid drug
- C** Particles greater than 5 microns are returned to the reservoir for recirculation
- D** Particles smaller than 5 microns continue on to the patient's lungs
- E** The Venturi effect increases respirable output
- F** Baffle
- G** Jet



Left to right: MS2120, MS2110, MS2100

## Invacare® VixOne™ Nebulizers

Model nos. MS2100, MS2110, MS2120

The Invacare VixOne nebulizer is an economical choice in small-volume nebulizers. It is available with a variety of inputs, including a T-piece mouthpiece, adult, pediatric clear or pediatric Dragon mask and Pedi-Neb™ pacifier.

### FEATURES

- Nebulizes at angles up to 45°
- Graduated volume marking on medication chamber
- Anti-spill designed T-piece mouthpiece option
- Creative pediatric mask and infant pacifier options



Model no. MS0312

*Pediatric Dragon Mask provides a fun yet calming option. Children can be encouraged to take frequent deep breaths and receive the biofeedback of the dragon exhaling "smoky dragon breath."*



Model nos. MS0383, MS0382

*The Pedi-Neb pacifier calms an infant or toddler during aerosol treatment, as the medication is inhaled through the nose, not mouth.*

## Model Selection Guide

Model no.	Units/Case	Description
MS2200	50	Disposable Sidestream® nebulizer (10 ml capacity) with mouthpiece and 7 ft. (213 cm) tubing
MS2400	10	Reusable Sidestream nebulizer (10 ml capacity) with mouthpiece and 7 ft. (213 cm) tubing
MS2120	50	VixOne nebulizer (5 ml capacity) with pediatric mask and 7 ft. (213 cm) tubing
MS2110	50	VixOne nebulizer (5 ml capacity) with adult mask and 7 ft. (213 cm) tubing
MS2100	50	VixOne nebulizer (5 ml capacity) with T-piece, mouthpiece, 7 ft. (213 cm) tubing and 6 in. (15 cm) flextube
MS0312	50	VixOne nebulizer with pediatric Dragon mask and 7 ft. (213 cm) tubing
MS0382	12	VixOne nebulizer with Pedi-Neb pacifier and 7 ft. (213 cm) tubing
MS0383	12	VixOne nebulizer with Pedi-Neb pacifier, T-piece, plug, expandable extension tubing and 7 ft. (213 cm) tubing



## Invacare AeroChamber® Plus VHC

Model nos. HC80510, HC78510, HC88510, HC79510

The Invacare AeroChamber Plus VHC (aerosol valved holding chamber) helps improve the delivery of medications from metered-dose inhaler (MDI) canisters. It also reduces the coordination required between canister activation and inhalation, making it easier for the patient to use the MDI correctly. And it reduces drug deposition to the mouth and throat, helping to eliminate unpleasant medication taste or hoarseness. AeroChamber Plus VHC with ComfortSeal® mask comes in three sizes, permitting MDI therapy to be administered to infants and small children.

### FEATURES

- Clear chamber for easy visualization of proper activation of the MDI
- One-way valve to hold and protect the aerosol until inhalation begins
- Universal MDI adapter allows use with most MDIs
- FLOWSIGNAL® whistle alerts patient to excessive flow rates (adult versions only)
- ComfortSeal masks available in two sizes allow use by infants and small children
- Fifteen years of clinical research about AeroChamber use

## Model Selection Guide

Model no.	Units/Case	Description
HC80510	10	AeroChamber Plus VHC with adult ComfortSeal mask
HC78510	10	AeroChamber Plus VHC with medium ComfortSeal mask
HC88510	10	AeroChamber Plus VHC with small ComfortSeal mask
HC79510	10	AeroChamber Plus VHC with mouthpiece

Distribution limited to U.S. customers only.



## Invacare TruZone® Peak Flow Meter

Model no. IRC1198

The Invacare TruZone Peak Flow Meter (PFM) makes it easy to monitor peak expiratory flow rates at home. The small size and shape enhance portability and ease of use. The unique logarithmic scale allows the TruZone to be used in low flow rate conditions (pediatrics) or for standard flow rates. And through the use of Color Zone® decals, each TruZone can be customized easily for color-zone management of asthma as recommended by the NAEPP (National Asthma Education and Prevention Program).



*Application of the ColorZone decal by the health care provider customizes the TruZone for the patient. Visualization of the green, yellow and red zones makes it easy to follow the NAEPP guidelines for asthma management.*

### FEATURES

- Small size makes it easy to use or transport
- Clear body for easy reading of flow rate
- Internal indicator is protected from accidental mishandling
- Simple cleanup with soap and water
- Accurate measure of PEF in low flows (pediatrics) and standard flows (adults)
- Color Zone decals easily customize the TruZone for color-zone management of asthma—no calculations required
- Meets the current American Thoracic Society® waveform 26 standards

## Specifications

Range	60-800 lpm
Dimensions	17.4 cm l x 3.2 cm w x 3.2 cm h
Weight	33.1 g

## Model Selection Guide

Model no.	Units/Case	Limited warranty	Description
IRC1198	10	1 year	TruZone Peak Flow Meter

Each TruZone is packaged with 4 Color Zone tapes and a daily record.

Distribution limited to U.S. customers only.



Yes, you can.™

## Invacare® Aerosol Tubing

Invacare® Aerosol Products



Aerosol Tubing MS4200

### Model Selection Guide

Model no.	Units/Case	Description
MS4200	1	100 ft. (1524 cm) roll corrugated aerosol tubing (22 mmID), cuffs every 6 inches (15 cm)

Invacare Corporation  
www.invacare.com

#### USA

One Invacare Way  
Elyria, Ohio  
44035-4190  
(800) 333-6900

#### Canada

570 Matheson Blvd. E.  
Unit 8  
Mississauga, Ontario  
L4Z 4G4 Canada  
(800) 668-5324

© 2005

Invacare Corporation  
Form No. 04-220



*"Invacare says 'Yes, you can.' and I couldn't have said it better myself."*

Invacare and the blue medallion design are registered trademarks and Yes, you can., Envoy, MOBILAIRE and Stratos are trademarks of Invacare Corporation. Sidestream is a registered trademark of Profile Therapeutics PLC group of companies. VixOne and Pedi-Neb are trademarks of Westmed, Inc. AeroChamber is a registered trademark of Geo. S. Trudell Co., Limited. FLOWSignal is a registered trademark of Trudell Medical Ltd. TruZone and Color Zone are registered trademarks of Monaghan Medical Inc. American Thoracic Society is a registered trademark of the American Lung Association. ComfortSeal is a registered trademark of Trudell International Trudell Partnership Holdings Limited and Packard Medical Supply Center Ltd. Specifications are subject to change without notice.