

Invacare® Polaris™ LT CPAP

Model no. ISP9900



FEATURES

- Economically priced
- Operating pressure range from 3 to 18 cm H₂O
- 20-minute therapy delayed time feature
- Washable, easy-to-clean filter
- Built-in tubing holder provides easy mask storage when device is not in use

MODEL SELECTION GUIDE

| Model no. | Limited warranty | Description | HCPCS Code |
|------------------------------|------------------|---|------------|
| CPAP and Accessories | | | |
| ISP3000 | 2 years | Invacare Polaris™ EX™ CPAP with SoftX™, tubing and carrying case | E0601 |
| ISP5000 | | Polaris EX CPAP w/ SoftX and Polaris EX EZ-Fill heated humidifier, tubing and carrying case | |
| ISP9900 | 2 years | Invacare Polaris LT CPAP and tubing | E0601 |
| ISP5000TS | | Polaris EX CPAP w/ SoftX, Polaris EX heated humidifier and Twilight™ mask - Standard | |
| ISP5000TSM | | Polaris EX CPAP w/SoftX, Polaris EX heated humidifier & Twilight mask - Small | |
| ISP5000TL | | Polaris EX CPAP w/ SoftX, Polaris EX heated humidifier and Twilight mask – Large | |
| ISP5000IQ | | Polaris EX CPAP w/ SoftX, Polaris EX heated humidifier and IQ® Gel mask | |
| ISP3000TS | | Polaris EX CPAP w/ SoftX and Twilight mask – Standard | |
| ISP3000TSM | | Polaris EX CPAP w/SoftX & Twilight mask - Small | |
| ISP3000TL | | Polaris EX CPAP w/ SoftX and Twilight mask – Large | |
| ISP3000IQ | | Polaris EX CPAP w/ SoftX and IQ Gel mask | |
| ISP9900IQ | | Polaris LT CPAP and IQ Gel mask | |
| 1085420 | n/a | Replacement 6' tubing | A7037 |
| 1117440 | n/a | Replacement filters for ISP3000 or ISP5000 (3/pack) | A7039 |
| 1075692 | n/a | Replacement filters for ISP9900 (3/pack) | A7039 |
| 1123914 | n/a | Oxygen tubing connectors (10/pack) | n/a |
| Humidification | | | |
| ISP4000 | 1 year | Invacare Polaris EX EZ-Fill heated humidifier, water chamber and screwdriver | E0562 |
| 1136074 | n/a | Replacement water chamber | A7046 |
| ISP9700 | 1 year | Invacare Poseidon™ passover humidifier and connector tubing | E0561 |
| 1100553 | n/a | Replacement 1' tubing | n/a |
| Masks and Accessories | | | |
| ISP2000 | 90 days | Invacare Twilight mask shell, standard size nasal cushion, 4 clips and headgear | A7034 |
| ISP2000SM | 90 days | Invacare Twilight mask shell, small size nasal cushion, 4 clips and headgear | A7034 |
| ISP2000L | 90 days | Invacare Twilight mask shell, large size nasal cushion, 4 clips and headgear | A7034 |
| ISP2010 | n/a | Replacement standard size nasal cushion for Twilight mask | A7032 |
| ISP2010SM | n/a | Replacement small size nasal cushion for Twilight mask | A7032 |
| ISP2010L | n/a | Replacement large size nasal cushion for Twilight mask | A7032 |
| ISP2030 | 90 days | Invacare Twilight mask shell, standard size nasal cushion, 2 clips (no headgear) | A7034 |
| ISP2030SM | 90 days | Invacare Twilight mask shell, small size nasal cushion, 2 clips (no headgear) | A7034 |
| ISP2030L | 90 days | Invacare Twilight mask shell, large size nasal cushion, 2 clips (no headgear) | A7034 |
| 1122733 | n/a | Replacement headgear and 2 clips for Twilight mask | A7035 |
| 1122734 | n/a | Chin Support for Twilight mask | A7036 |



Yes, you can.®

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Patents pending.

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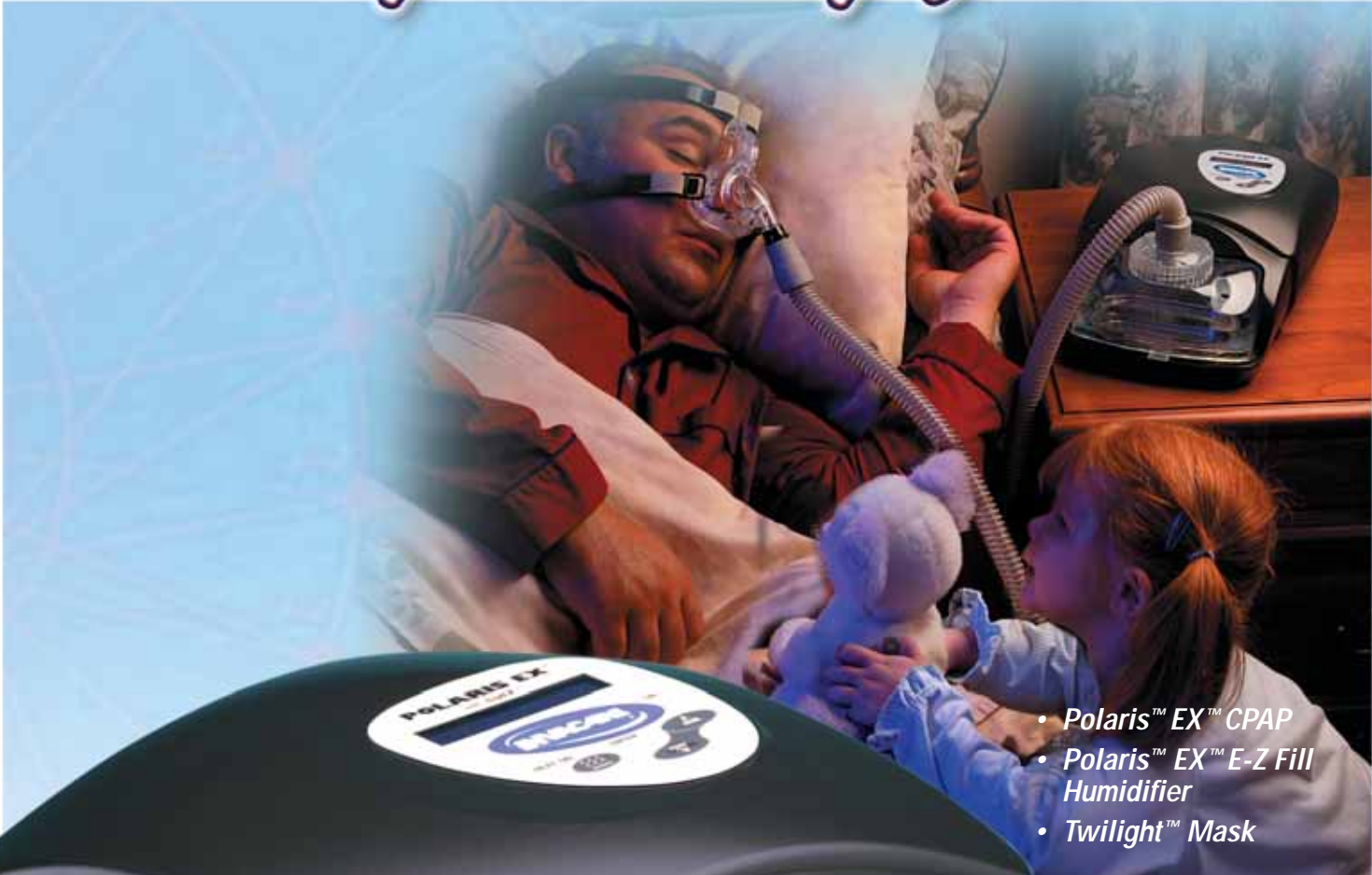
"Invacare says 'Yes, you can.'" and I couldn't have said it better myself."



Sleep Therapy



Yes, you can.®



- Polaris™ EX™ CPAP
- Polaris™ EX™ E-Z Fill Humidifier
- Twilight™ Mask



Invacare is pleased to offer a sleep therapy line of easy-to-use products that increases patient compliance and that is cost effective for providers. We are committed to upholding the high levels of quality and reliability that are synonymous with the Invacare® brand.

Invacare is proud to support the American Sleep Apnea Association (ASAA) as a contributor in the ASAA Industry Roundtable.

Invacare is committed to providing solutions for the growing sleep market and will continue to develop products and services that meet the needs of the provider as well as the patient.

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For Oxygen Products, please refer to form no. 05-054.
For Aerosol Products, please refer to form no. 04-220.
For information on other Invacare products, visit www.invacare.com.

SoftX™ Technology

Designed to increase patient compliance, patent-pending SoftX Technology makes exhalation more comfortable for patients by reducing the duration of pressure spikes during exhalation.

Most conventional CPAPs use a variable speed blower to provide flow at a constant pressure. To maintain this pressure, the CPAP blower must rapidly increase or decrease its speed relative to changes in the patient's inspiratory or expiratory flow. However, changes in blower speed may not occur rapidly enough to maintain a constant mask pressure, resulting in pressure swings. These pressure swings can contribute to discomfort during exhalation.¹

Figure 1: SoftX Valve

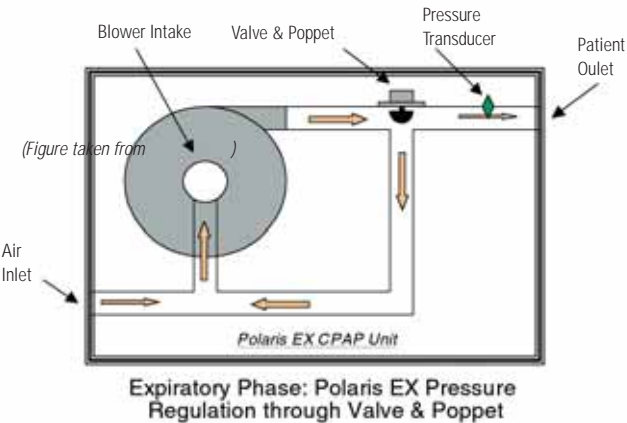
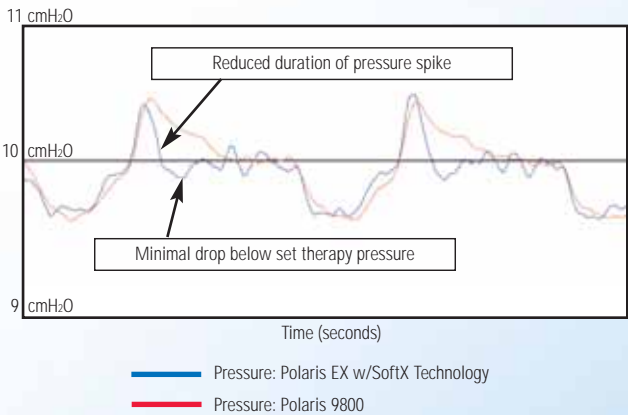


Figure 2: Polaris EX CPAP with SoftX vs. standard CPAP



(Figures taken from the document, Variable Resistance CPAP Valve Technology: Conventional Nasal CPAP versus the Invacare Polaris EX CPAP with SoftX. R. Messenger, BS, RRT, CPFT, J. Smith, BA RRT-NPS, N. Curran, G. Flolid, D. Felty.)

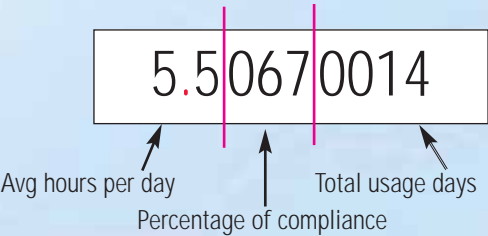
Quick Code™ Compliance Data

The Polaris EX Quick Code feature affords providers immediate access to compliance information without the need for a patient visit or tracking items in the mail. Studies show that intervention to a patient's usage pattern should occur early in the treatment process to ensure maximum patient benefit.² To facilitate this, the Polaris EX generates a nine-digit code that can be expressed to the provider via telephone or voicemail at any hour.

Usage can be tracked from the very first day of treatment and can accumulate for over seven years, or be easily reset to track a specified period of time. For example, if 30 days of data is required, the patient would be instructed to call in the code on or after day 30. This requires minimal effort on the patient's part and is easily "translated" by the provider. If a hard copy report is desired, a template is

available on www.invacare.com. Simply type in the nine-digit code and start date to generate a one-page summary report. No additional hardware or software is required!

The Quick Code provides objective data that identifies patients in need of intervention before their non-compliant habits are formed.



The nine-digit code provides three key pieces of information: (1) average usage hours per day, (2) percentage of compliance based on 4 hours of usage, and (3) the total number of days the unit has been tracking.



Invacare® Polaris™ EX™ CPAP shown with EZ-Fill Humidifier and Invacare® Twilight™ Mask.



Attractive black carrying case designed to easily accommodate CPAP, tubing, mask and either the Polaris™ EX™ EZ-Fill heated humidifier or Poseidon™ Passover humidifier.

Polaris EX CPAP

Model no. ISP3000 or ISP5000

Features

- SoftX™ Technology is standard on all Polaris™ EX™ CPAP units
- Three SoftX settings, as well as standard CPAP
- Designed to be integrated with the Invacare Polaris EX EZ-Fill humidifier
- Controls for the humidifier are contained in the CPAP and are activated when a connection is made
- Compatible with the Invacare® Poseidon™ Passover humidifier
- Quick Code™ compliance information is easily accessed and communicated by patients
- Touchpad with illuminated LCD on top of the unit provides convenient access to simple operation and setup
- Patient can easily adjust comfort settings such as SoftX level, ramp time and humidifier temperature
- Washable, easy to clean filter
- Two year limited warranty

Typical Product Parameters

| Performance | |
|---|---|
| Operating therapy pressure range | 4-20 cm H ₂ O (1 cm H ₂ O increments) |
| Therapy delayed time | 5, 10, 20 or 30 minutes |
| Starting pressure during therapy delayed time | 4 cm H ₂ O up to set therapy pressure |
| SoftX settings | Minimum, Mid-range or Maximum |
| Dimensions | |
| CPAP | 8.5"l x 8.5"w x 5.2"h |
| CPAP with heated humidifier | 12.3"l x 8.5"w x 5.2"h |
| Product weight | |
| CPAP | 4.2 lb. |
| CPAP with heated humidifier | 5.3 lb. |
| Power supply | |
| Input range | 120 volts, 60 Hz |
| Power cord | polarized two wire cord |
| Air filter | |
| Standard filter | 45-60 ppi foam, reusable |
| Data storage capability | |
| 7.5 years | |



Invacare® Polaris™ EX™ EZ-Fill Heated Humidifier

Model no. ISP4000

For patients in need of a substantial amount of moisture during treatment, the Invacare Polaris EX EZ-Fill heated humidifier is the perfect solution.

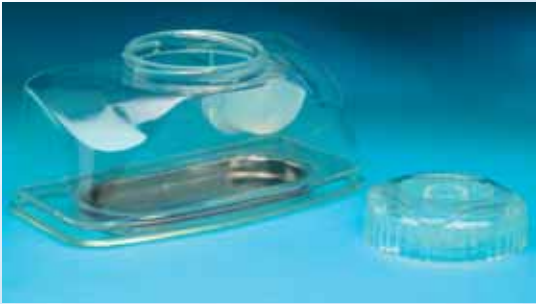
Features

- Attaches easily to the front of the Invacare Polaris EX CPAP (also available as a preassembled unit).
- Large, easy-open lid facilitates filling and cleaning
- Temperature adjustment from 70° - 145° F in 5° increments
- Water chamber is top-rack dishwasher safe
- One year limited warranty

The addition of humidification during CPAP therapy can help eliminate dry nose and throat discomfort and reduces swelling. When humidity is added, especially heated humidity, patient compliance can increase.³ Invacare offers both heated and passover humidification options.



Distilled water is recommended.



EZ-Fill water chamber.

Invacare® Poseidon™ Passover Humidifier

Model no. ISP9700

Passover humidification offers a simple, cool water approach to increasing patient comfort.

Features

- Small footprint fits easily under CPAP
- Compatible with Invacare Polaris EX CPAP, as well as most other CPAP and bi-level models
- Connects easily with 12" tube (provided)
- Easy to fill and set up
- One year limited warranty



Invacare Poseidon Passover humidifier.



Invacare® Twilight™ Mask

Model no. ISP2000SM, ISP2000, ISP2000L

Comfort is inherent in the design of the Invacare Twilight Mask. Created with extensive patient input, the Twilight Mask offers innovative features that have made it preferred by patients.

In a recent study, performed by a leading Sleep Center, 78% of patients rated the comfort of the Invacare Twilight Mask to be better than that of their usual mask.⁴ In a follow-up study, 82% of patients stated the Twilight Mask was superior in quality and performance.⁵

The Twilight Mask is intended for use with PAP devices with a pressure range of 3 to 20 cm H₂O and standard 22 mm tubing.

Features

- Solid mask shell design with a silicone nasal cushion
- Nasal cushions are available in three sizes: small, standard and large. All cushions fit in the same mask shell
- Patent-pending design uses headgear as forehead support to reduce irritation and allow for distribution of pressure across a larger surface
- Headgear attaches to forehead adjustment and attaches with clips to two points on the mask shell
- Quiet – 100% of patients tested rated this mask to be quieter than the mask they typically used
- Quick-release clips make it easy to get in and out of the mask without changing headgear settings, yet are strong enough to prevent the mask from unintentionally disconnecting while patient is sleeping
- Main tubing swivel quietly rotates 360 degrees
- 90 day limited warranty



Six (6) forehead positions provide maximum comfort.



Quick-release clips make it easy to get in and out of mask without changing headgear settings.



Flexible headgear with soft hook and loop fasteners allows for maximum adjustability and comfort.



Invacare IQ® Gel Mask

Model no. IQ50160H

The IQ Gel Mask features a flexible cushion that ensures a customized fit and provides a high level of comfort for patients.

The IQ Mask is intended for use with CPAP devices with a pressure range of 3 to 20 cm H₂O and standard 22 mm tubing.

Features

- Soft gel nasal cushion
- One size design
- Tubing swivel rotates 360 degrees and has a quick-release feature
- Compatible with 2-point or 3-point connection headgear or cap style
- Patients may wear most types of eyeglasses while wearing mask
- 90 day limited warranty



Adjustable sealing surface provides easy customized fit.



One-size headgear can be used as 2-point or 3-point for maximum adaptability

MODEL SELECTION GUIDE

| Model no. | Limited Warranty | Description | HCPCS Code |
|-----------|------------------|---|------------|
| IQ50160H | 90 days | IQ mask, tubing and one-size headgear | A7034 |
| IQ50160MC | 90 days | IQ mask, tubing and medium cap style headgear | A7034 |
| IQ50160LC | 90 days | IQ mask, tubing and large cap style headgear | A7034 |
| IQ55215 | n/a | Replacement one-size headgear for IQ mask | A7035 |
| IQ55121 | n/a | Replacement medium cap style headgear for IQ mask | A7035 |
| IQ55122 | n/a | Replacement large cap style headgear for IQ mask | A7035 |
| IQ55352 | n/a | Replacement large strap headgear for IQ mask | A7035 |

References:

1. Bacon JP, Farney RJ, Jensen RL, Walker JM, Cloward TV. Nasal Continuous Positive Airway Pressure Devices Do Not Maintain the Set Pressure Dynamically When Tested Under Simulated Clinical Conditions. Chest 2000;118(5):1441-1449.

2. Chervin, Theut, Bassetti, & Aldrich. Compliance with Nasal CPAP Can Be Improved by Simple Interventions. Sleep, 20(4):284-289. Copyright ASDA & Sleep Research Society. (1997) or see Weaver, Kribbs, Pack, Kline, Chugh, Maislin, Smith, Schwartz, Schubert, Gillen and Dinges. Night To Night Variability in CPAP use over the First Three Months of Treatment. Sleep, 20(4):278-283. Copyright ASDA & Sleep Research Society. (1997).

3. Constantinidis J, Knobber D, Steinhart H, Kuhn J, Iro H. Fine-structural investigations of the effect of nCPAP-mask application on the nasal mucosa. Acta Otolaryngol. 2000;120:432-437.

4. Ahmed M, Domenick D. Patient Perception of a New Nasal Mask - Results of a Clinical Trial, SLEEP: 2003; 26 (Abstract Supplement): A213

5. Juguilon JA, Ahmed M. Performance of the Invacare Twilight Mask - Clinical Trial Results