



Pyxis ScrubStation® system version 7.0 specifications

Integrated scrub management system

The Pyxis ScrubStation® system v7.0 brings a number of new features to the Pyxis ScrubStation® family of products, which can speed access, ensure garment availability and minimize downtime. These new features include:

- Automated notifications to support mobile personnel of urgent system conditions
(Requires Pyxis® Page automated alert system)
- Pyxis® BioID fingerprint identification access to stations
- Client consoles for additional points of access to reporting and system management
- Improved network connectivity requiring only one network drop per cluster of nearby units.

The information contained herein should be used for general planning only. Please confirm specifications with your Cardinal Health representative.

Pyxis ScrubStation® system version 7.0 specifications

E-mail and mobile alerts / paging (new)

To enable time-sensitive response by support personnel to Pyxis ScrubStation® system events, various methods of notifying appropriate staff are now available.

In conjunction with the Pyxis® Page automated alert system, the Pyxis ScrubStation® system provides the following notifications:

- **Stock-out** - This message is sent whenever a garment size in a Pyxis ScrubStation® unit is depleted. The message includes the station name, garment set name, number of sets needed to refill, time stamp, date stamp, error name and error code.
- **Return station full** - This message is sent whenever there is no room left for additional garments to be returned. The message includes station name, error name, time stamp, date stamp and error code.
- **Console communications down** - This message is sent when there is a Pyxis ScrubStation® console communication failure with the Procar (e-mail–paging gateway).

In addition to automated e-mail notification to standard e-mail addresses, the Pyxis ScrubStation® system supports three types of paging networks. These include numeric dial-up paging networks, dial-up text paging networks and e-mail–addressable paging/mobile device networks.

For further information, refer to the white paper titled *Pyxis ScrubStation® E-mail and Mobile Alerts*.

Pyxis® BioID access (new)

To help address the many aspects of access control, v7.0 of the Pyxis ScrubStation® secure scrub management system offers the Pyxis® BioID biometric security system. The Pyxis® BioID feature verifies a user's identity with a fingerprint scan before granting access to the Pyxis ScrubStation® system. With this new capability, you can simplify access control management and eliminate the need to manage bar code or magnetic strip identification cards.

The Pyxis® BioID login registration process starts by requiring the user to enter their User ID with the keyboard or touch screen. The user then places a finger on the Pyxis® BioID fingerprint scanner, which scans the fingerprint and creates a verification template. The system compares the verification template against the registration template created previously. If the templates match, the user is granted access to the Pyxis ScrubStation® system—if the templates do not match, access is denied. In either case, the scanned image of the fingerprint is completely (and securely) discarded after the event.

If a fingerprint match fails three consecutive times during login, the Pyxis ScrubStation® system provides a manual login process to enter a User ID and password through the keyboard or touch screen. If desired, you can disable the Pyxis® BioID login process for any user at the console. In such a case, users are not prompted to scan their fingerprint. Instead, they login with their User ID and password using the keyboard or touch screen.

For further information, please refer to the white paper *Pyxis ScrubStation® Pyxis® BioID Access Overview*.



Pyxis ScrubStation® system version 7.0 specifications

Unit specifications

Equipment	Capacity		Dimensions ¹ inches (cm)	Weight lbs (kg)		AC Power ²	Heat Evolved BTU/hr
	Issue	Return		Empty	Full		
Dispensing unit 	168	n/a	75 x 36 x 36 (191 x 90 x 91)	525 lbs (238 kg)	700 (318)	100-240VAC 3.5A 50-60Hz	310
Auxiliary dispensing unit ³ 	168	n/a	75 x 36 x 36 (191 x 90 x 91)	515 lbs (234 kg)	688 (318)	100-240VAC 3.5A 50-60Hz	310
Return unit 	n/a	60-90 sets	75 x 36 x 36 (191 x 90 x 91)	385 lbs (175 kg)	565 (256)	100-240VAC 3.5A 50-60Hz	320
Slimline return unit 	n/a	60-90 sets	76 x 48 x 28 (193 x 122 x 71)	457 lbs (207 kg)	547 (248)	100-240VAC 3.5A 50-60Hz	320
Integrated dispensing and return unit 	72	40-50 sets	79 x 52 x 30 (201 x 132 x 75)	720 lbs (327 kg)	820 (372)	100-240VAC 3.5A 50-60Hz	340

Note the return capacity is lower than the dispensing capacity since units should be refilled and emptied before they run out of garments. This excess supply capacity ensures variations in demand can be met and also eliminates the need for one-to-one matching between dispensing and return capacity.

¹ Units require additional 3" in height and 4-6" in back (depth) for ventilation; 36" in front for swinging doors.

² Power consumption based on maximum operation with average line voltage. Customers shall provide clean commercial power, necessary communication lines and sufficient clean space (maintained at a temperature between 50°F and 80°F) for all Implementation Activities.

³ Auxiliary dispensing unit uses login capabilities from a nearby dispensing unit.

Pyxis ScrubStation® system version 7.0 specifications

Installation

- Seismic Anchors are available for all stations as an additional purchase item.
- For dispensing and auxiliary dispensing units, side panels can be temporarily removed in order to clear door opening sizes of 33 3/16 inches.
- For return unit, side panels, top lid and bottom skirts can be temporarily removed, in order to clear door opening sizes of 29 3/4 inches.

Console and client console specifications

Pyxis ScrubStation® system	Specifications	Dimensions (inches)	AC power	Network/ modem connection
Console PC	INTEL / WINDOWS 2000 BASED SYSTEM Symantec Anti-Virus Corporate Edition	7.5 x 16.5 x 17	100-120/ 200-240VAC 4A 50-60Hz	10/100 Ethernet CAT5/RJ45 56K Modem Connexant Aztek
Console monitor	NEC AccuSync LCD 71VM	7.5 x 15.5 x 15.5	100-120/ 200-240VAC 0.75A 50-60Hz	N/A
Client console PC	INTEL / WINDOWS 2000 BASED SYSTEM Symantec Anti-Virus Corporate Edition	12 x 15 x 4	100-120/ 200-240VAC 4A 50-60Hz	10/100 Ethernet CAT5/RJ45
Client console monitor	NEC Accusync LCD 71VM	7.5 x 15.5x 15.5	100-120/ 200-240VAC 0.75A 50-60Hz	N/A
Laser Printer	HP LaserJet 1200/1300 Series	19.2 x 16.3 x 10	110-120VAC Print: 320 watts (max) Standby: 7 watts	Parallel & USB

Pyxis ScrubStation® system version 7.0 specifications

Network connectivity

Network (TCP/IP over Ethernet).

10/100 Mbps LAN connections	Wireless option	Clustering (minimizes network connections)
Required for all <u>standalone</u> units and consoles except auxiliary unit. <u>If units are nearby, use 'clustering' (see right column).</u>	Although Pyxis ScrubStation® units and related console equipment do not contain wireless network adapters, they can be connected to wireless networks that provide adapters simulating regular fixed 10/100 Mbps LAN connections. This enables Pyxis ScrubStation® equipment to be connected without requiring fixed network wall connections. <u>Appropriate wireless adapters must be provided and configured by hospital.</u>	To minimize network connections, units that are clustered near to each other can be connected using an eight-port switch. This in effect creates a local area network of unit clusters requiring only one network connection back to the hospital's LAN (through fixed or wireless). <u>Clustering is highly recommended for connecting nearby units.</u>

Station access options

Login method	Comments	User ID	User password
ID Card	Select one of proximity card reader, magnetic card reader, bar code card reader. (Existing cards need to be tested by Cardinal Health beforehand.)	Required using ID Card	Uses keyboard or touch-screen. Password step can be disabled on any unit by system manager.
Touch screen and/or keyboard	Available with login methods including Proximity, Magnetic, Bar code, and BioID.	Required using Keyboard or touch-screen	Uses keyboard or touch-screen. Password step can be disabled on any unit by system manager.
Pyxis® BioID fingerprint identification system (new)	Two-step process requiring ID and password.	Required using keyboard or touch-screen	Fingerprint scan required
Manual override	Enables administrators to access garment inventory using only a key.	N/A	N/A

Pyxis ScrubStation® system version 7.0 specifications

Client console (new)

The Pyxis ScrubStation® client console provides all the capabilities of the console except archiving. The client console provides Pyxis ScrubStation® system administrative capabilities at secondary locations throughout the hospital, enabling administrators to accomplish the following tasks:

- View the entire system, including current status of communications, stock-outs and daily usage
- Add, edit or terminate users and their credit or access privileges
- View videos of any returned garment from any unit
- Change the allocation of sizes within any unit to match demand
- Add new sizes or garment types to the general inventory
- Adjust inventory purchases or disposals to track the system's return on investment (ROI)
- Print reports relating to usage, system configuration, empty garments or similar criteria

The client console comprises a Microsoft Windows 2000® workstation with keyboard, mouse, monitor and printer. Due to the sensitivity of the database stored on the console, as well as the archiving media, Cardinal Health recommends you install the console in a controlled-environment computer room. Typically, the client console is installed in one of the following locations:

- The laundry facility
- Environmental/linen services administration offices
- Operating room administration offices

Dynamic Voice Prompt

In order to assist users, the Pyxis ScrubStation® system can be equipped with optional *Dynamic Voice Prompt* (DVP) technology. This feature provides an audible voice message to be played that guides users on how to take and return scrubs at the units. The feature is particularly useful for new users.

Remote Diagnostics Support

Pyxis ScrubStation® systems support remote diagnostic connectivity to the Cardinal Health Technical Support Center, enabling remote support personnel to connect to the system and provide technical support. A dial-in phone line or wide-area VPN connection is required along with an applicable support contract.



Pyxis ScrubStation® system version 7.0 specifications

Regulatory Compliance

Pyxis ScrubStation® units are UL/CUL listed to UL61010A-1: Electrical Equipment for Laboratory Use. The Pyxis ScrubStation® console is CE-marked and NRTL certified for use in the United States and Canada. The equipment is tested and certified to meet US, Canadian and international safety and EMC requirements. For safety reasons, the units must be located at least six feet from the bed, table or chair a patient may occupy. Contact Cardinal Health for additional details concerning specific regulatory certifications.

Additional security options

Seismic anchoring available; meets OSHPOD requirements.

Software information

Cardinal Health proprietary Pyxis ScrubStation® secure scrub management software. Microsoft Windows® 2000, Sybase Adaptive Server Anywhere 7.0.4.

Construction

Latex-free (Lexan/polypropylene construction).



Cardinal Health
Pyxis® Products
3750 Torrey View Court
San Diego, California, USA 92130
800.36PYXIS (367.9947)
858.480.6000

www.cardinalhealth.com/pyxis

© 2005 Cardinal Health, Inc. or one of its subsidiaries. All rights reserved.
Pyxis® and ScrubStation® are registered trademarks of Cardinal Health, Inc.
or one of its subsidiaries. All other trademarks are the property of their
respective owners.

35B0213