

Product Specification

WA 290 Automation System

Product Description

The WA 290 Automation System is highly configurable with two loading options styles and two unloading option styles.

Shuttle Loading – The system will queue racks, the shuttle will pick up and deliver a rack from the queue to the next available washer.

Conveyor Load – A rack is loaded onto a dedicated conveyor, in front of each washer. The conveyor will load the washer when it is available.

Cross Conveyor Unload – Washer unloads onto a cross conveyor system which moves the rack towards the return line.

Conveyor Unload – Washer will unload to a dedicated conveyor.

Application

For use in healthcare facilities with the Belimed WD 290 IQ automated washer / disinfecter.

Standards

- CENELEC EN 60947-4-1. Issued:2001/02/01
Low-Voltage Switchgear and Controlgear Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters; A1:2002; A2:2005; IEC 60947-4-1: 2000
- IEC 60947-1:2011-03 Ed 5.1
Low-Voltage Switchgear and Controlgear Part 1: General Rules (IEC 60947-1:2011-03 Edition 5.1)
- IEC 61000-3-2, 3-3, 4-4, 4-6, 4-8, 4-11. Electromagnetic Compatibility
- UL 60947-4-1A. Issue:2007/01/26 Ed:2 Rev:2011/04/29
Low-Voltage Switchgear and Controlgear Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters
- CSA C22.2#60947-4-1. Issued: 2007/01/26
Low-Voltage Switchgear and Controlgear Part 4-1: Contactors and Motor-Starters - Electromechanical Contactors and Motor-Starters

Standard Features

Construction/Design

Panels – Stainless steel

Frames – Stainless steel for strength and durability

Power Source – Universal input power supply, 50/60hz, 90-240VAc with 24 VDC output

Conveyance – Accomplished through a hidden timing belt drive with 24 VDC motors which turn polymer rollers

Queuing – Modular queuing allows 3-9 rack capacity when using the shuttle load option. Single rack queuing for conveyor load option

System Bypass with Shuttle Load Option – A suspend button located on the shuttle temporarily stops the system to allow a rack to be manually loaded into a washer



Control System – ASi bus system with touch screen and PLC control.

Obstruction Detection with Shuttle Load Option – Shuttle includes a pressure sensitive switch and will stop when an obstruction is present

Travel Mode with Shuttle Load Option – Shuttle rides on a precision linear bearing and rail.

Shuttle Power – 24 VDC Battery, recharged while in home position

Shuttle Communication – Wireless to main control system

Conveyor Load – A single rack capacity system. One conveyor per washer

Conveyor Unload – A single rack capacity system. One conveyor per washer

Preventive Maintenance

Belimed recommends regular preventive maintenance to ensure proper operation of the equipment. Belimed maintains a nationwide, factory trained Service Technician Group who can perform this maintenance and/or train Biomedical staff on the proper procedure. Belimed also offers a number of PM Plans.

Contact Belimed Technical Service for more details.

Technical Information - Refer to Cut Sheet



For more information, visit belimed.com

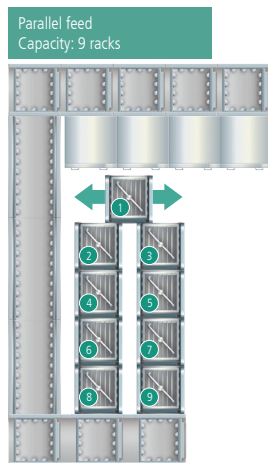
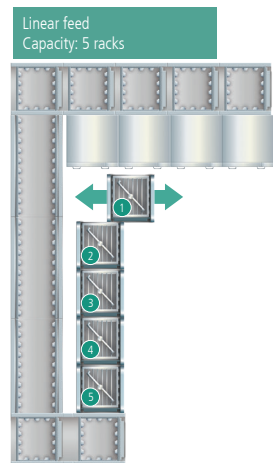
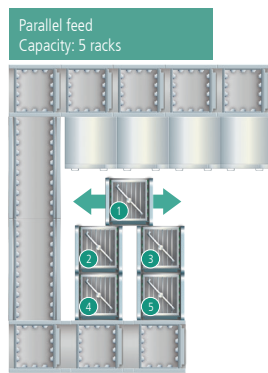
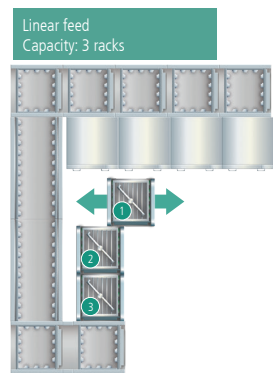
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Shuttle Load Configurations

The Shuttle Load Option is available in many configurations, built from modular components: shuttle, unload module, staging return module, return conveyor, return gate, and queuing module.

In-Feed Queuing Options

- 3 rack queue, linear in-feed
- 5 rack queue, linear in-feed
- 5 rack queue, parallel in-feed
- 9 rack queue, parallel in-feed



Optimized Workflows

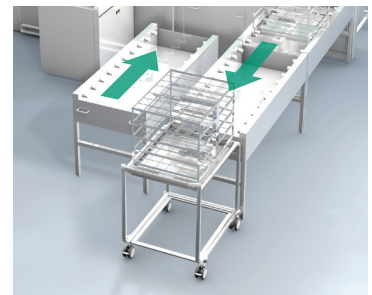
Optimized workflows make a significant contribution to the efficiency of your CSSD. A good automation solution adapts to your processes. The WA 290 meets this requirement. The system is available as Direct Dock and Cross Conveyor.

Load and Unload Option

- Direct Dock loads and unloads a rack to and from a transport cart
- Cross Conveyor keeps the racks on the WA 290 System, but also allows use of a transport cart

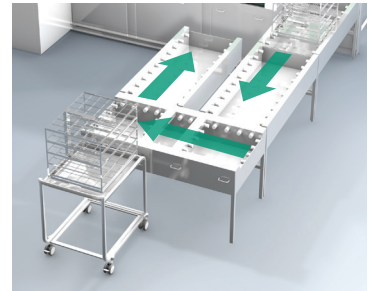
Direct Dock

- Less space required
- Return transport and feed line separated
- Automation support for loading transport carts



Cross Conveyor

- Closed loop
- Racks can remain on the system or be removed



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