



SEFA – Laboratory Grade Washers

Standards Development Committee

Committee Co-Chairs

Josh Camp

Miele

Kelly Williams

Labconco

Laboratory Grade Washer Standards

Agenda
6.6.2024

- 3/12/24 Meeting Recap
- Definitions Review
- Standards Outline Development

Committee Meeting Recap

March 12, 2024 - 11:00 AM EST

Present:

Co-Chair:	Kelly Williams	LABCONO
Attendees:	Abbie Gregg	AM Technical Solutions
	Punit Jain	Cannon Design
	Jeff Talka	JT Architectural Solutions
	Kurt Rindoks	Kewaunee Scientific
	Dave Edwards	The S/L/A/M Collaborative
Guest:	Sterling Greni	LabBuild
SEFA Staff:	Barbara Carr	
	David J. Sutton, Executive Director, General Counsel	
	Ross Sutton	

- The review and approval Purpose, Scope & Definitions
 - Wording amendments were recommended and changed as recorded
 - Final version of Purpose and Scope were unanimously approved
- Recommendations were made to review standards addressing clean and sterile with references to GMP standards, 21CFR, ISO.
- Suggested Action Item includes create a separate running list of new terms relevant to this Standard for inclusion in Glossary

Purpose

- The purpose of these Recommended Practices is to provide architects, engineers, planners, specifiers, manufacturers, and end users with the industry standard practices. These Recommended Practices cover the design, construction, installation, testing, maintenance, and safe use of Laboratory Grade Washers used in the cleaning of laboratory glassware, plasticware and other washable lab implements.

Scope

- These Recommended Practices provide a comprehensive single source of knowledge pertaining to Laboratory Grade Washers. Since the Laboratory Washers are integral to the Laboratory Plumbing and Electrical System, these practices will address the entire system as it relates to the Laboratory Washer.
- A Laboratory Washing System includes the Supply Electrical and Feed Water; Detergents/Chemicals, the Laboratory Washer & accessories, exhaust air connection, compressed air connections, discharge water pathway and other relevant systems supporting the Laboratory Grade Washer.
- The Laboratory Grade Washer Standard does not address sterilization and further reprocessing of glassware and/or other labware that may be required for other applications.
- The Laboratory Grade Washer Standard will address the required facilitization of the laboratory grade washer systems.
- The Laboratory Grade Washer Standard does not address regulatory sterilization and reprocessing of glassware and other labware.

Definition

- A Laboratory Grade Washer is a machine that is specialized to automatically clean and dry the glassware, plasticware and other washable laboratory implements that are used in various research & testing Laboratories. A Laboratory Grade Washer is designed with the flexibility to accommodate a wide variety of uniquely shaped labware, utilizes specific cleaning agents and is combined with supporting components and facility utilities to create a complete system that laboratories depend on for residue-free labware. Good laboratory technique demands physically and chemically clean labware.
- Essential components in a Laboratory Grade Washer include a stainless-steel liner, powerful & efficient circulation pumps for water dispersion through direct injectors and/or spray arms, a robust heater to raise operating wash temperatures up to 93°C for thermal disinfection and the capability to perform pure water rinses ensuring thorough cleanliness of the labware. It is important for the washer racks to accommodate a wide variety of inserts that properly position specific types of labware. Laboratory Grade Washer controls offer flexible programming, with a wide variety of programs that can be adjusted according to cleaning needs of multiple applications.
- Essential supporting components to the Laboratory Grade Washer system can include water softeners, exhaust connections, water purification systems for pure water rinses, drain water cooling kits, and detergents formulated for laboratory cleaning. Although the washer does the physical cleaning of the labware, these components directly affect the quality level of the wash.
- Laboratory Grade Washers are intended for research and general laboratory use. Laboratory Grade Washers are not intended for agency regulated applications such as cGMP and/or Medical Device reprocessing.

Development of Standards Table of Contents

Outline of Content Attached Separately