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Cabinet Washers: An Advanced COP Cleaning Technology

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Introduction



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- ❑ Sani-Matic
- ❑ Product Manager
- ❑ 10 Years Experience in Engineering and Product Management



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What do you think of when you hear...
“Clean-In-Place (CIP)”?





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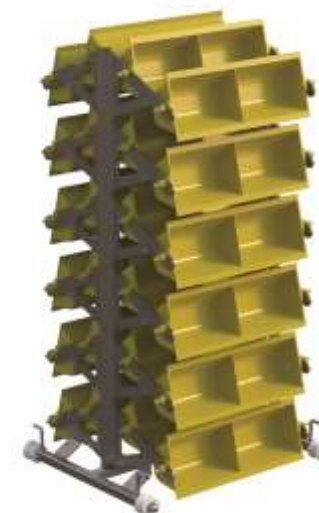
What do you think of when you hear...
“Clean-Out-of-Place (COP)”?





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What SHOULD you think of when you hear...
“Clean-Out-of-Place (COP)”?





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COP Home Cleaning Example



Manual Cleaning



COP Parts Washers



Automated Cabinet Washers

“How do they compare?”

Equipment Cost
Safety Risk
Water Use
Chemical Use
Cleaning Time
Labor Hours
Repeatability



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COP Parts Washer – 7 Touch Points

COP PARTS WASHER

7 TOUCH POINTS





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Automated Cabinet Washer – 2 Touch Points





COP Cleaning Equipment Comparison

Equipment Parameters	Type of Cleaning Equipment		
	Manual Cleaning	COP Parts Washer	Cabinet Washer
Equipment Cost	LOW	MEDIUM	HIGH
Safety Risk	HIGH	MEDIUM	LOW
Water Use	HIGH	MEDIUM	LOW
Chemical Use	HIGH	MEDIUM	LOW
Cleaning Time	HIGH	MEDIUM	LOW
Labor Hours	HIGH	MEDIUM	LOW
Repeatability	LOW	MEDIUM	HIGH
Recordability	LOW	MEDIUM	HIGH



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Latest Innovations: Meeting Sanitary Design Requirements

- ❑ **Certifiable to NSF/ANSI/3A 14159-1**
 - Similar to 3-A's General Requirements (GR) Standard
- ❑ **Radiused corners, no threaded components, FDA certified plastics/elastomers, stainless steel construction, and more**
 - Good sanitary design practices to avoid any bacterial contamination



*NSF International Standard /
American National Standard /
3-A Sanitary Standard*

NSF/ANSI/3A 14159-1 - 2019

**Hygiene Requirements for the
Design of Meat and Poultry
Processing Equipment**



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Latest Innovations: Cloud Based Data Reporting

◦ Overall Equipment Effectiveness (OEE) Trending



- Review data quickly
- Data Trending



◦ Preventive Maintenance (PM) Tracking



- Access anywhere
- Real-time notifications





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