



Food Service Technology Center



Encore KLP50-Y002105 Pre-Rinse Spray Valve Test Report

FSTC Report # 501311419-R1

Application of ASTM
Standard Test Method F2324-03 and F2324-13

August 2015

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FSTC Equipment Test Report

Food Service Technology Center Background

The information in this report is based on data generated at the Pacific Gas and Electric Company (PG&E) Food Service Technology Center (FSTC). Dedicated to the advancement of the foodservice industry, The FSTC has focused on the development of standard test methods for commercial foodservice equipment since 1987. The primary component of the FSTC is a 10,000 square-foot laboratory equipped with energy monitoring and data acquisition hardware, 60 linear feet of canopy exhaust hoods integrated with utility distribution systems, equipment setup and storage areas, and a state-of-the-art demonstration and training facility.

The FSTC Energy Efficiency for Foodservice Program is funded by California utility customers and administered by PG&E under the auspices of the California Public Utilities Commission (CPUC). California customers are not obligated to purchase any additional services offered by the contractor.

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Revision History

Revision num.	Date	Description	Author(s)
0	Jun 2015	Initial Release	A. Hookfin
1	Aug 2015	Component Hardware to Encore name change; Valve picture correction; Force Gauge Tests	A. Hookfin

FSTC Equipment Test Report

Contents

	Page
Equipment Description	4
Test Location	4
Ventilation	4
Test Instrumentation Inventory	5
FSTC Test Report: Results	6
Additions, Deviations, and Exclusions	8
Manufacturer Specifications Sheet	9
Report Certification	10

FSTC Equipment Test Report

Equipment Description

Test Work Order Number (TWO)	11419
Manufacturer	Encore
Model	KLP50-Y002105
Serial Number	N/A
Generic Equipment Type	Pre-Rinse Spray Valve
Rated Input	1.05 gpm
Construction	Brass/Plastic
Controls	Flow on/off Lever
External Dimensions (W x D x H)	9.5 x 3 x 3
Custom Settings (if any)	N/A

Test Location

All testing was performed under controlled conditions in the FSTC laboratory facilities at 12949 Alcosta Blvd., Suite 101, San Ramon, CA 94583.

Ventilation

Ventilation was not required for this particular test method.

FSTC Equipment Test Report

Test Instrumentation Inventory

Description (ID)	Manufacturer	Model	Measurement Range	Resolution	Calibration Date	Next Calibration
Digital Scale (ALE304)	Acculab	SVI-20B	0 – 44 lb	0.005 lb	08/11/2014	08/11/2015
Digital Timer (ALD210)	Oakton	35002-11	00:00:00 – 99:99:99	0.01 sec	03/08/2013	02/12/2016
Thermometer (ALD402)	Fluke	52	-40 – 500°F	0.1°F	08/11/2014	08/11/2015
Press. Gauge (ALD409)	DU Instruments	42070533	0 – 100 PSI	1 PSI	08/12/2014	08/12/2015
Force Gauge (ALA115)	Mark-10	M3-2 (Series 3)	0.12 – 0.5 ft.lb	0.0005 ft.lb	09/12/2014	09/12/2016

Specifications	
Make	Component Hardware:
Model	CHG KLP50-Y002105
Rated Flow Rate @ 60 psi (gpm)	1.05 GPM

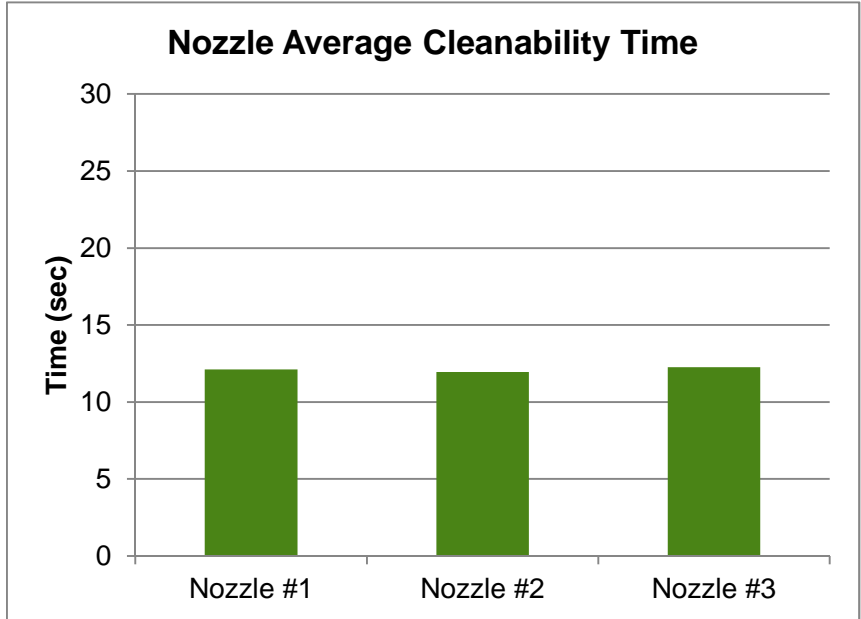
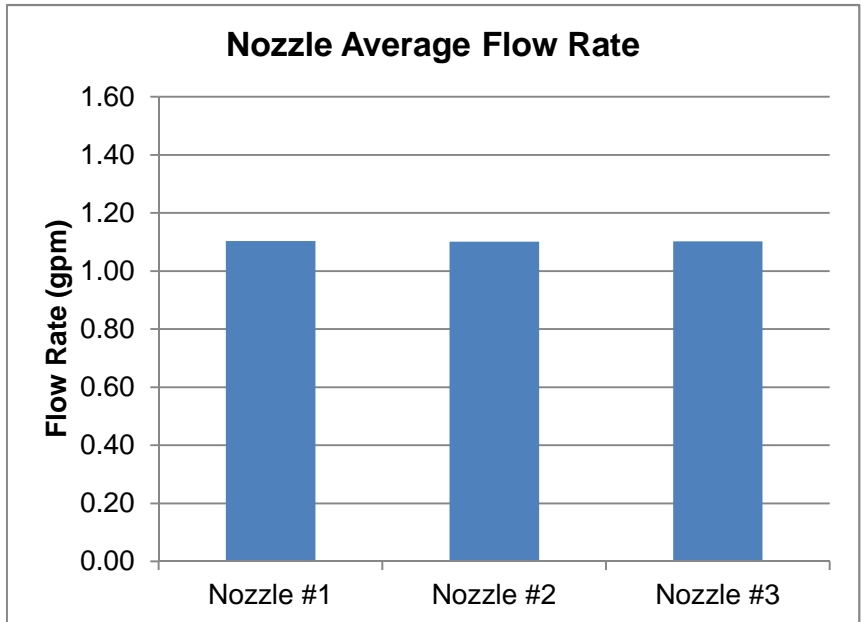
Test Parameters	
Water Pressure	60 ± 2 psi
Water Temperature	120 ± 4°F

Nozzle #1		
Test	Flow Rate (gpm)	Cleanability (seconds)
1	1.10	12
2	1.10	13
3	1.10	12
Average	1.10	12

Nozzle #2		
Test	Flow Rate (gpm)	Cleanability (seconds)
1	1.10	12
2	1.11	12
3	1.10	12
Average	1.10	12

Nozzle #3		
Test	Flow Rate (gpm)	Cleanability (seconds)
1	1.10	12
2	1.10	12
3	1.10	12
Average	1.10	12

Average Results		
	Water Flow (gpm)	Cleanability (seconds)
Nozzle #1	1.10	12
Nozzle #2	1.10	12
Nozzle #3	1.10	12
Average	1.10	12



- Tested in accordance with ASTM F2324 - 03 (Standard Test Method for Prerinse Spray Valves)
- Tested nozzles are in compliance with the minimum performance provisions shown in section 1605.3(h) of CA Title 20 Appliance Efficiency Regulation
- Tested nozzles are in compliance with the appropriate marking requirements shown in section 1607 of CA Title 20 Appliance Efficiency

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Specifications	
Make	Encore
Model	CHG KLP50-Y00215
Rated Flow Rate @ 60 psi (gpm)	1.05 GPM

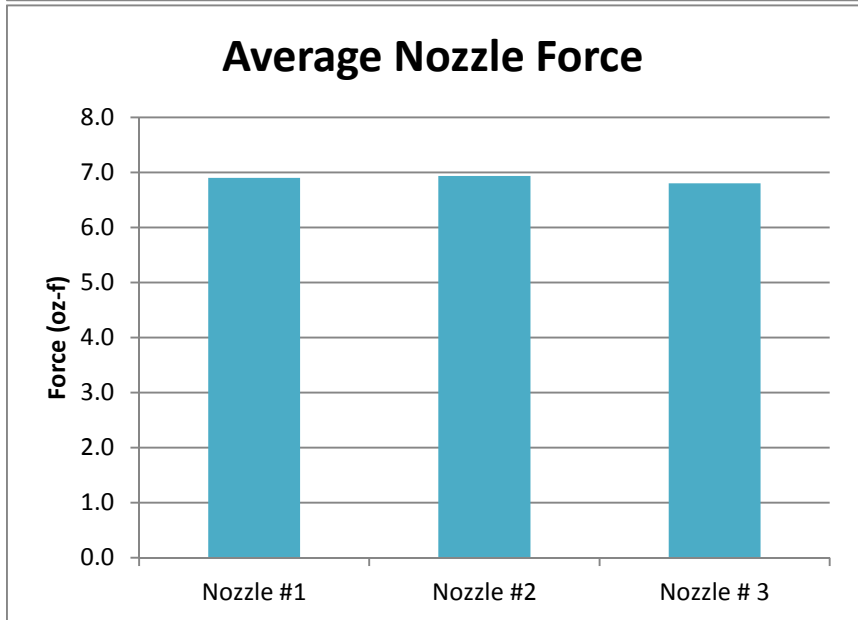
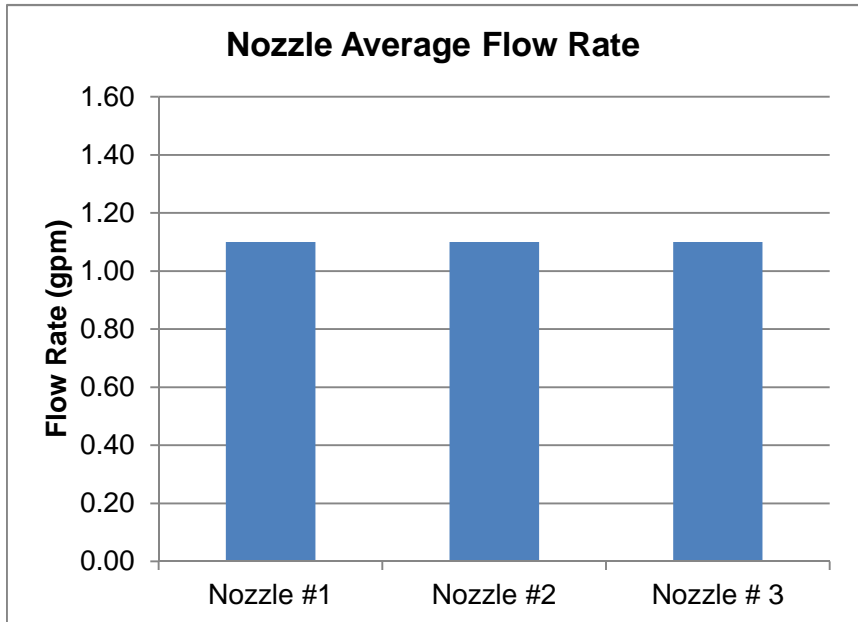
Test Parameters	
Water Pressure	60 ± 2 psi
Water Temperature	120 ± 4°F

Nozzle #1		
Test	Flow Rate (gpm)	Force Results (oz-force)
1	1.10	6.8
2	1.10	6.9
3	1.10	7.0
Average	1.10	6.9

Nozzle #2		
Test	Flow Rate (gpm)	Force Results (oz-force)
1	1.10	7.0
2	1.10	6.9
3	1.10	6.9
Average	1.10	6.9

Nozzle #3		
Test	Flow Rate (gpm)	Force Results (oz-force)
1	1.10	6.8
2	1.10	6.8
3	1.10	6.7
Average	1.10	6.8

Average Results		
	Water Flow (gpm)	Force Results (oz-force)
Nozzle #1	1.10	6.9
Nozzle #2	1.10	6.9
Nozzle #3	1.10	6.8
Average	1.10	6.9



- Tested in accordance with ASTM F2324 - 13 (Standard Test Method for Prerinse Spray Valves)
- Tested nozzles are in compliance with the minimum performance provisions shown in section 1605.3(h) of CA Title 20 Appliance Efficiency Regulation
- Tested nozzles are in compliance with the appropriate marking requirements shown in section 1607 of CA Title 20 Appliance Efficiency

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FSTC Equipment Test Report

Additions, Deviations, & Exclusions

Additions:

None.

Deviations:

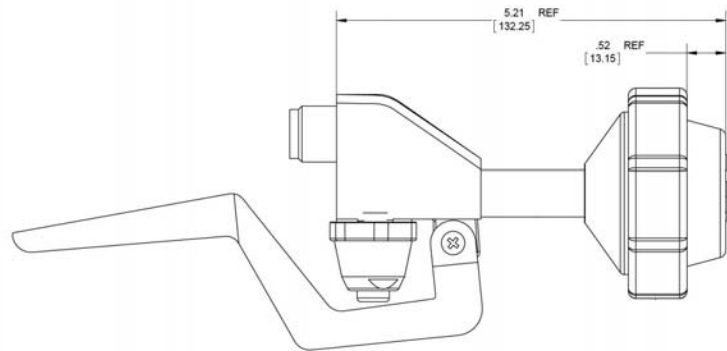
None.

Exclusions:

None.

FSTC Equipment Test Report

Manufacturer Specifications Sheet



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Addendum: Report Certification

EPA Organization ID: 1113443

This certifies that the undersigned has performed equipment testing according to the methodology outlined in the report described below, and verifies that the results recorded in that report were the actual results observed.

Report: Equipment Test Report: Encore KLP50-Y002105 Pre-Rinse Spray Valve

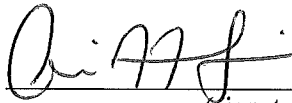
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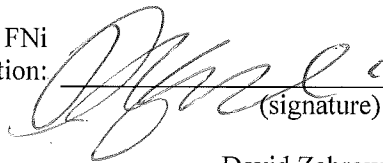

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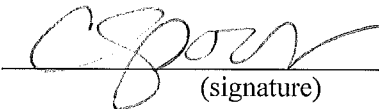

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