



**National Efficiency Standards and Specifications  
for Residential and Commercial Water-Using Fixtures and Appliances**  
(Compiled from information provided by the Alliance for Water Efficiency, U.S. EPA Office of Water,  
U.S. Dept. of Energy, Energy Star, CEE, NRDC, and other sources)

| Fixtures and Appliances                 | Federal Standard: from EPAct 1992, EPAct 2005, "Energy Independence and Security Act of 2007", NAECA updates, other sources |   | WaterSense® or Energy Star®  |   | Consortium for Energy Efficiency (CEE) |                               |
|---|---|---|--|---|--|-------------------------------|
|   | Current Standard  | Proposed/Future Standard  | Current Requirements   | Proposed/Future Requirements                      | Current Specification                  | Proposed/Future Specification |
| Residential Toilets<br>(Water Closets)  | ≤ 1.6 gpf <sup>1</sup>  | ≤ 1.28 gpf/ 4.8 Lpf<br>informally proposed by efficiency advocates (tank-type only) | <b>Tank-type toilets:</b><br><b>WaterSense v.1.2 =</b><br>≤ 1.28 gpf (4.8L) with at least 350 gram bulk waste removal<br><br><b>Flushometer valve/bowl combinations:</b><br><b>WaterSense v.1.0 =</b><br>≤ 1.28 gpf (4.8L) with at least 350 gram bulk waste removal | No changes to existing specifications are planned | No specification                       |                               |
| Residential Lavatory (Bathroom) Faucets | ≤ 2.2 gpm at 60 psi <sup>2</sup>  | ≤ 1.5 gpm/ 5.7 Lpm<br>informally proposed by efficiency advocates                   | <b>WaterSense v.1.0:</b><br>≤ 1.5 gpm & 0.8 gpm minimum at 20 psi  | No change to existing specification is planned    | No specification                       |                               |
| Residential Kitchen Faucets             |   |   | <b>WaterSense:</b><br>No specification   | No specification proposed at this time            | No specification                       |                               |
| Residential Showerheads                 | ≤ 2.5 gpm at 80 psi   |   | <b>WaterSense v.1.0:</b><br>≤ 2.0 gpm with special spray force & coverage requirements   | No change to existing specification is planned    | No specification                       |                               |

<sup>1</sup> EPAct 1992 standard for toilets applies to both commercial and residential models.

<sup>2</sup> EPAct 1992 standard for faucets applies to both commercial and residential models.



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| Fixtures and Appliances     | Federal Standard: from EPA Act 1992, EPA Act 2005, "Energy Independence and Security Act of 2007", NAECA updates, other sources   |                          | WaterSense® or Energy Star®   |                              | Consortium for Energy Efficiency (CEE)  |                               |
|-----------------------------|---|--------------------------|---|------------------------------|---|-------------------------------|
|                             | Current Standard  | Proposed/Future Standard | Current Requirements  | Proposed/Future Requirements | Current Specification   | Proposed/Future Specification |
| Residential Clothes Washers | <p><b>Top-loading standard models:</b> MEF <math>\geq</math> 1.29 ft<sup>3</sup>/kWh/cycle (after Jan 1, 2018, the MEF increases to 1.57)<br/><b>Integrated WF <math>\leq</math> 8.4 gal/cycle/ft<sup>3</sup> (NOTE: after Jan 1, 2018, the IWF decreases to 6.5)</b></p> <p><b>Front-loading standard models:</b> MEF <math>\geq</math> 1.84 ft<sup>3</sup>/kWh/cycle<br/><b>Integrated WF <math>\leq</math> 4.7 gal/cycle/</b></p> <p><b>Top-loading compact models:</b> MEF <math>\geq</math> 0.86 ft<sup>3</sup>/kWh/cycle (after Jan 1, 2018, the MEF increases to 1.15)<br/><b>Integrated WF <math>\leq</math> 14.4 gal/cycle/ft<sup>3</sup> ft<sup>3</sup> (NOTE: after Jan 1, 2018, the IWF decreases to 12.0)</b></p> <p><b>Front-loading compact models:</b> MEF <math>\geq</math> 1.13 ft<sup>3</sup>/kWh/cycle<br/><b>Integrated WF <math>\leq</math> 8.3 gal/cycle/</b></p> <p>Note: MEF measures energy consumption of the total laundry cycle (wash + dry). The higher the number, the greater the energy efficiency</p> |                          | <p><b>Energy Star (DOE):</b><br/><b>Effective March 7, 2015 for 1.6 to 6.0 cubic feet</b></p> <p><b>Top-loading models (&gt; 2.5 cu. ft.):</b><br/>IMEF <math>\geq</math> 2.06 ft<sup>3</sup>/kWh/cycle.<br/><b>Integrated WF <math>\leq</math> 4.3 gal/cycle/</b></p> <p><b>Front-loading models (&gt; 2.5 cu. ft.):</b><br/>IMEF <math>\geq</math> 2.38 ft<sup>3</sup>/kWh/cycle<br/><b>Integrated WF <math>\leq</math> 3.7 gal/cycle/</b></p> <p><b>Compact models (<math>\leq</math> 2.5 cu. ft.):</b><br/>IMEF <math>\geq</math> 2.07 ft<sup>3</sup>/kWh/cycle<br/><b>Integrated WF <math>\leq</math> 4.2 gal/cycle/</b></p> |                              | <p><b>Effective March 7, 2015</b></p> <p><i>Tier 1:</i><br/>MEF <math>\geq</math> 2.38 ft<sup>3</sup>/kWh/cycle;<br/><b>WF <math>\leq</math> 3.7 gal/cycle/ft<sup>3</sup></b></p> <p><i>Tier 2:</i><br/>MEF <math>\geq</math> 2.74 ft<sup>3</sup>/kWh/cycle;<br/><b>WF <math>\leq</math> 3.2 gal/cycle/ft<sup>3</sup></b></p> <p><i>Tier 3:</i><br/>MEF <math>\geq</math> 2.92 ft<sup>3</sup>/kWh/cycle;<br/><b>WF <math>\leq</math> 3.2 gal/cycle/ft<sup>3</sup></b></p> |                               |

DOE: Department of Energy  
EPA: Environmental Protection Agency  
EPA Act 1992: Energy Policy Act of 1992  
EPA Act 2005: Energy Policy Act of 2005

WF: water factor  
IWF: integrated water factor  
gal: gallons ft<sup>3</sup>: cubic feet  
gpm: gallons per minute

gpf: gallons per flush  
kWh: kilowatt hour  
MEF: modified energy factor  
MaP: maximum performance

NAECA: National Appliance Energy Conservation Act  
psi: pounds per square inch Lpf: Litres per flush  
**Rev. Nov. 7, 2016 – by John Koeller www.map-testing.com**



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| Fixtures and Appliances  | Federal Standard: from EAct 1992, EAct 2005, "Energy Independence and Security Act of 2007", NAECA updates, other sources   |                          | WaterSense® or Energy Star®  |                              | Consortium for Energy Efficiency (CEE)   |                               |
|--|---|--------------------------|--|------------------------------|--|-------------------------------|
|  | Current Standard  | Proposed/Future Standard | Current Requirements   | Proposed/Future Requirements | Current Specification  | Proposed/Future Specification |
| Standard Size and Compact Residential Dishwashers <sup>3</sup> | <p><b>Final Rule of DOE, effective 5/30/2013:</b></p> <p>STANDARD Size Models:<br/>Energy: ≤ 307 kWh/year<br/><b>WF ≤ 5.0 gallons/cycle</b></p> <p>COMPACT Models:<br/>Energy: ≤ 222 kWh/yr<br/><b>WF ≤ 3.5 gallons/cycle</b></p> |                          | <p><b>Energy Star Effective Jan 29, 2016</b></p> <p>STANDARD Size Models:<br/>Energy: ≤ 270 kWh/year<br/><b>WF ≤ 3.5 gallons/cycle</b></p> <p>COMPACT Models:<br/>Energy: ≤ 203 kWh/year<br/><b>WF ≤ 3.1 gallons/cycle</b></p> |                              | <p><b>Effective Jan. 29, 2016</b></p> <p><i>Standard size models (8 place settings or more):</i><br/>270 max kWh/year;<br/><b>WF ≤ 3.5 gallons/cycle</b></p> <p><i>Compact size models (hold fewer than 8 place settings):</i><br/>203 max kWh/year;<br/><b>WF ≤ 3.1 gallons/cycle</b></p> |                               |

<sup>3</sup> **Standard models:** capacity is greater than or equal to eight place settings and six serving pieces; **Compact models:** capacity is less than eight place settings and six serving pieces



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| Fixtures and Appliances            | Federal Standard: from EPAAct 1992, EPAAct 2005, "Energy Independence and Security Act of 2007", NAECA updates, ANSI stds, other sources   |   | WaterSense® or Energy Star®  |  | Consortium for Energy Efficiency |                                |
|------------------------------------|--|---|--|--|----------------------------------|--------------------------------|
|                                    | Current Standard   | Proposed/Future Standard  | Current Requirements   | Proposed/Future Requirements   | Current Specification            | Proposed /Future Specification |
| Commercial Toilets (Water Closets) | <p>≤ 1.6 gpf<sup>4</sup>/6.0 Lpf<br/>Except blow-out fixtures: ≤ 3.5-gpf/13 Lpf<br/>(Note: Some states prohibit blow-out at 3.5 gpf)</p>   | <p>≤ 1.28 gpf - 4.8 Lpf informally proposed by some efficiency advocates (tank-type only)</p> | <p><b>Tank-type toilets: WaterSense v.1.2 = ≤ 1.28 gpf (4.8L)</b> with at least 350 gram bulk waste removal.<br/><br/><b>Flushometer valve/bowl combinations: WaterSense v.1.0 = ≤ 1.28 gpf (4.8L)</b> with at least 350 gram bulk waste removal</p> | <p>No changes to existing specifications are planned</p>                     | <p>No specification</p>          |                                |
| Commercial Urinals                 | <p>≤ 1.0 gpf</p>   | <p>≤ 0.5 gpf - 1.9 Lpf informally proposed by effc. advocates</p>                             | <p><b>WaterSense v.1.0 – Flushing urinals only = ≤ 0.5 gpf/1.9Lpf</b><br/>(Note: non-water urinals not covered by WaterSense)</p>  | <p>No change to existing specification is planned</p>                        | <p>No specification</p>          |                                |
| Commercial Faucets                 | <p><b>ANSI Standard:</b><br/><u>Private</u> (single-user) faucets, including residential within commercial bldg = ≤2.2 gpm @ 60 psi<sup>5</sup><br/><br/><u>All other commercial (except metering)</u> per ANSI product standard and model plumbing codes = ≤0.5 gpm at 60 psi<sup>5</sup><br/><br/><u>Metering</u> (auto shut off) faucets<br/>≤0.25 gallons per cycle<sup>6</sup> (no maximum flow rate)</p> |   | <p><b>WaterSense:</b><br/>No specification</p>   | <p>Creating a WaterSense specification is currently under consideration.</p> | <p>No specification</p>          |                                |

<sup>4</sup> EPAAct 1992 standard for toilets applies to both commercial and residential models.

<sup>5</sup> In addition to EPAAct requirements, the American Society of Mechanical Engineers/Canadian Standards Association standard for public lavatory faucets is 0.5 gpm at 60 psi (ASME A112.18.1/CSA B125.1). This maximum has been incorporated into the national model plumbing codes for all except private applications, private being defined as residential, hotel guest rooms, and health care patient rooms. All other applications subject to the 0.5 gpm/1.9 Lpm flow rate maximum.

<sup>6</sup> Metering faucets not subject to flow rate maximum, but rather to a flow volume maximum.



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| Fixtures and Appliances    | Federal Standard: from EPCAct 1992, EPCAct 2005, "Energy Independence and Security Act of 2007", NAECA updates, ANSI stds, other sources  |                          | WaterSense® or Energy Star®   |                              | Consortium for Energy Efficiency  |                                |
|----------------------------|---|--------------------------|---|------------------------------|---|--------------------------------|
|                            | Current Standard  | Proposed/Future Standard | Current Requirements  | Proposed/Future Requirements | Current Specification   | Proposed /Future Specification |
| Commercial Clothes Washers | <p>The following requirements are <b>effective through December 31, 2017</b>:</p> <p><u>Top loading machine:</u><br/>≥ 1.6 MEF and <b>WF ≤ 8.5 gal/cycle/ft<sup>3</sup></b></p> <p><u>Front-loading machine:</u><br/>≥ 2.0 MEF and <b>WF ≤ 5.5 gal/cycle/ft<sup>3</sup></b></p> <p>The following more rigorous requirements apply <u>beginning January 28, 2018</u>.</p> <p><u>Top loading machine:</u><br/>≥ 1.35 MEF and <b>Integrated WF ≤ 8.8 gal/cycle/ft<sup>3</sup></b></p> <p><u>Front-loading machine:</u><br/>≥ 2.0 MEF and <b>Integrated WF ≤ 4.1 gal/cycle/ft<sup>3</sup></b></p> |                          | <p><b>Energy Star :</b><br/><b>Effective March 7, 2015</b></p> <p>≥ 2.2 MEF and ≤ <b>4.5 Integrated WF gal/cycle/ft<sup>3</sup></b></p> <p>For both front and top loaders (NOTE: defined as a soft-mounted front or top loading machine for use in common area and coin-op laundries with capacity greater than 1.6 cubic feet and not a combo washer-dryer; does <b>NOT</b> include multi-load, high-volume machines used in on-premise or commercial laundries)</p> |                              | <p><b>Effective January 1, 2011</b></p> <p><b>CEE Tiers:</b></p> <p><i>Tier 1:</i><br/>MEF ≥ 2.0 ft<sup>3</sup>/kWh/cycle;<br/><b>WF ≤ 6.0 gal/cycle/ft<sup>3</sup></b></p> <p><i>Tier 2:</i><br/>MEF ≥ 2.2 ft<sup>3</sup>/kWh/cycle;<br/><b>WF ≤ 4.5 gal/cycle/ft<sup>3</sup></b></p> <p><i>Tier 3:</i><br/>MEF ≥ 2.4 ft<sup>3</sup>/kWh/cycle;<br/><b>WF ≤ 4.0 gal/cycle/ft<sup>3</sup></b></p> |                                |



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| Fixtures and Appliances | Federal Standard: from EPA 1992, EPA 2005, "Energy Independence and Security Act of 2007", NAECA updates, ANSI stds, other sources |                          | WaterSense® or Energy Star®  |                              | Consortium for Energy Efficiency                          |  |
|-------------------------|--|--------------------------|--|------------------------------|---|--|
|                         | Current Standard   | Proposed/Future Standard | Current Requirements   | Proposed/Future Requirements | Current Specification                                     | Proposed/Future Specification  |
| Commercial Dishwashers  | No standard  |                          | <p><b>Energy Star v.2.0 - Effective February 1, 2013:</b></p> <p><b>Under Counter:</b><br/>Hi Temp: ≤ 0.86 gal/rack; ≤ 0.5 kW;<br/>Lo Temp: ≤ 1.19 gal/rack; ≤ 0.5 kW</p> <p><b>Stationary Single Tank Door:</b><br/>Hi Temp: ≤ 0.89 gal/rack; ≤ 0.7 kW;<br/>Lo Temp: ≤ 1.18 gal/rack; ≤ 0.6 kW</p> <p><b>Pot, Pan, and Utensil</b><br/>Hi Temp: ≤ 0.58 gal/rack; ≤ 1.2 kW;<br/>Lo Temp: ≤ 0.58 gal/rack; ≤ 1.0 kW</p> <p><b>Single Tank Conveyor:</b><br/>Hi Temp: 0.70 gal/rack; ≤ 1.5 kW;<br/>Lo Temp: 0.79 gal/rack; ≤ 1.5 kW</p> <p><b>Multiple Tank Conveyor:</b><br/>Hi Temp: 0.54 gal/rack; ≤ 2.25 kW;<br/>Lo Temp: 0.54 gal/rack; ≤ 2.0 kW</p> <p><b>Single Tank Flight Type:</b><br/>Requires formula for both hi and low temp machines:<br/>Gallons per hour (gph)<br/>≤ 2.97 times sf of belt + 55</p> <p><b>Multiple Tank Flight Type:</b><br/>Requires formula for both hi and low temp machines:<br/>Gph ≤ 4.96 times sf of belt +17</p> <p><b>NOTE: See full Energy Star requirements for definitions and details.</b></p> |                              | Specification is 8+ years old and is no longer applicable | CEE waiting for final test methods before reviewing possible changes to their specifications |

DOE: Department of Energy  
EPA: Environmental Protection Agency  
EPA 1992: Energy Policy Act of 1992  
EPA 2005: Energy Policy Act of 2005

WF: water factor  
IWF: integrated water factor  
gal: gallons ft<sup>3</sup>: cubic feet  
gpm: gallons per minute

gpf: gallons per flush  
kWh: kilowatt hour  
MEF: modified energy factor  
MaP: maximum performance

NAECA: National Appliance Energy Conservation Act  
psi: pounds per square inch Lpf: Litres per flush  
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|--|---|--------------------------|---|--|---|--------------------------------|
|  | Current Standard  | Proposed/Future Standard | Current Requirements  | Proposed/Future Requirements                   | Current Specification   | Proposed /Future Specification |
| Automatic Commercial Ice Makers <sup>7</sup>   | Current requirements effective January 1, 2010 to January 27, 2018. More rigorous requirements apply beginning January 28, 2018.<br>Energy and condenser water efficiency standards vary by equipment type on a sliding scale depending upon harvest rate and type of cooling (see link to additional information at end of this table) |                          | <b>Energy Star v.2.0:</b><br>Energy efficiency standards vary by equipment type on a sliding scale depending upon harvest rate and type of cooling. Water use thresholds are as follows:<br><u>Air-cooled batch type machines:</u><br>Maximum water use of 20 gallons per 100 lbs. of ice.<br><u>Air-cooled continuous-type machines:</u><br>Maximum water use of 15 gallons per 100 lbs. of ice.<br><u>NOTE: Water cooled machines excluded from Energy Star</u><br>See link to additional information at end of this table. |  | <b>Effective July 1, 2011</b><br>Energy and water (potable and condenser) standards are tiered and vary by equipment type on a sliding scale depending upon harvest rate and type of cooling. Current provisions are <u>less rigorous</u> than Energy Star. (see link to additional information at end of this table) |                                |
| Commercial Pre-rinse Spray Valves (for food service applications – <u>does not apply</u> to other valve applications, e.g., cooling, wetting, facility cleaning, etc.) | <b>Prior to January 28, 2019: Flow rate ≤ 1.6 gpm</b> (no pressure specified; no performance requirement)<br><b>January 28, 2019 and following:</b><br>Class 1 (≤ 0.5 ozf) – ≤ <b>1.0 gpf</b><br>Class 2 (>0.5 & ≤8.0 ozf) – ≤ <b>1.2 gpf</b><br>Class 3 (>8.0 ozf) – ≤ <b>1.28 gpf</b>   |                          | <b>WaterSense v.1.0:</b><br><b>Flow rate ≤ 1.28 gpm</b> (incorporates other key performance requirements)   | No change to existing specification is planned | <b>Effective June 1, 2014</b><br><u>Tier 1:</u> Flow rate = ≤1.28 gal per min<br><u>Tier 2:</u> Flow rate = ≤0.75 gal per min<br><b>PLUS</b> WaterSense performance requirements  |                                |

<sup>7</sup> Optional standards for other types of automatic ice makers are also authorized under EPAAct 2005.



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|---------------------------------------|--|--------------------------|---|------------------------------|--|--------------------------------|
|                                       | Current Standard   | Proposed/Future Standard | Current Requirements  | Proposed/Future Requirements | Current Specification  | Proposed /Future Specification |
| Commercial Steam Cookers <sup>8</sup> | No standard  |                          | <b>Energy Star (EPA)</b><br><i>Electric:</i> 50% cooking energy efficiency; idle rate 400–800 Watts<br><i>Gas:</i> 38% cooking energy efficiency; idle rate 6,250–12,500 British Thermal Units/hour<br>NOTE: Energy Star has <u>no</u> specified water use factor |                              | <b>Effective Sept. 1, 2010</b><br><i>Electric:</i> Same as Energy Star<br><i>Water Use Factor:</i> (for <u>both</u> electric and gas models):<br>Tier 1A:<br><b>≤ 15 gal/hr per compartment</b><br>Tier 1B:<br><b>≤ 4 gal/hr per compartment</b> |                                |

<sup>8</sup> Idle rate standards vary for 3-, 4-, 5-, and 6-pan commercial steam cooker models.





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**DISCLAIMER:** The information presented in these tables has been gathered from sources deemed to be reliable. However, neither the authors nor the organizations posting this listing on their websites make any guarantee as to its correctness, accuracy, completeness, or current status. Readers are strongly encouraged to perform their own research at the websites of the organizations cited herein, as well as with any other reliable sources of current information.

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Readers are encouraged to report any incorrect or updated information to the author, John Koeller: [koeller@earthlink.net](mailto:koeller@earthlink.net)

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**Information/materials on EPAAct 2005/NAECA & other standards:**

Plumbing products:

Toilets (water closets): [https://www1.eere.energy.gov/buildings/appliance\\_standards/standards.aspx?productid=43](https://www1.eere.energy.gov/buildings/appliance_standards/standards.aspx?productid=43)

Urinals: [https://www1.eere.energy.gov/buildings/appliance\\_standards/standards.aspx?productid=42](https://www1.eere.energy.gov/buildings/appliance_standards/standards.aspx?productid=42)

Faucets: [https://www1.eere.energy.gov/buildings/appliance\\_standards/standards.aspx?productid=40](https://www1.eere.energy.gov/buildings/appliance_standards/standards.aspx?productid=40)

Showerheads: [https://www1.eere.energy.gov/buildings/appliance\\_standards/standards.aspx?productid=2](https://www1.eere.energy.gov/buildings/appliance_standards/standards.aspx?productid=2)

Clothes Washers and Residential Dishwashers:

Residential clothes washers: [https://www1.eere.energy.gov/buildings/appliance\\_standards/standards.aspx?productid=68](https://www1.eere.energy.gov/buildings/appliance_standards/standards.aspx?productid=68)

Residential dishwashers: [https://www1.eere.energy.gov/buildings/appliance\\_standards/standards.aspx?productid=38](https://www1.eere.energy.gov/buildings/appliance_standards/standards.aspx?productid=38)

Commercial clothes washers: [https://www1.eere.energy.gov/buildings/appliance\\_standards/standards.aspx?productid=9](https://www1.eere.energy.gov/buildings/appliance_standards/standards.aspx?productid=9)

Automatic Commercial Ice Maker Standards:

[https://www1.eere.energy.gov/buildings/appliance\\_standards/standards.aspx?productid=53](https://www1.eere.energy.gov/buildings/appliance_standards/standards.aspx?productid=53)

Pre-rinse Spray Valves

[https://www1.eere.energy.gov/buildings/appliance\\_standards/standards.aspx?productid=69](https://www1.eere.energy.gov/buildings/appliance_standards/standards.aspx?productid=69)

**Information/materials on Energy Star specifications:**

Clothes Washers

[https://www.energystar.gov/products/appliances/clothes\\_washers](https://www.energystar.gov/products/appliances/clothes_washers)

Residential Dishwashers

<https://www.energystar.gov/products/appliances/dishwashers>

Commercial Dishwashers

[https://www.energystar.gov/products/commercial\\_food\\_service\\_equipment/commercial\\_dishwashers](https://www.energystar.gov/products/commercial_food_service_equipment/commercial_dishwashers)

Automatic Commercial Ice Makers

[https://www.energystar.gov/products/commercial\\_food\\_service\\_equipment/commercial\\_ice\\_makers](https://www.energystar.gov/products/commercial_food_service_equipment/commercial_ice_makers)

Commercial Steam Cookers

[https://www.energystar.gov/products/commercial\\_food\\_service\\_equipment/commercial\\_steam\\_cookers](https://www.energystar.gov/products/commercial_food_service_equipment/commercial_steam_cookers)



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**Information/materials on WaterSense specifications:**

Water Closets (Toilets) – Tank-type

<https://www3.epa.gov/watersense/products/toilets.html>

[https://www3.epa.gov/watersense/docs/Revised%20HET%20specification\\_V1%20\\_060214\\_final508d.pdf](https://www3.epa.gov/watersense/docs/Revised%20HET%20specification_V1%20_060214_final508d.pdf)

Water Closets (Toilets) – Flushometer valve-bowl combination type

<https://www3.epa.gov/watersense/products/flushometer-valve-toilets.html>

[https://www3.epa.gov/watersense/products/docs/FinalFVHET\\_Specification\\_V1-0\\_508.pdf](https://www3.epa.gov/watersense/products/docs/FinalFVHET_Specification_V1-0_508.pdf)

Flushing Urinals

<https://www3.epa.gov/watersense/products/urinals.html>

[https://www3.epa.gov/watersense/docs/urinal\\_finalspec508.pdf](https://www3.epa.gov/watersense/docs/urinal_finalspec508.pdf)

Residential Bathroom Lavatory Faucets

[https://www3.epa.gov/watersense/products/bathroom\\_sink\\_faucets.html](https://www3.epa.gov/watersense/products/bathroom_sink_faucets.html)

[https://www3.epa.gov/watersense/docs/faucet\\_spec508.pdf](https://www3.epa.gov/watersense/docs/faucet_spec508.pdf)

Residential Showerheads

<https://www3.epa.gov/watersense/products/showerheads.html>

[https://www3.epa.gov/watersense/docs/showerheads\\_finalspec508.pdf](https://www3.epa.gov/watersense/docs/showerheads_finalspec508.pdf)

Commercial Pre-Rinse Spray Valves

<https://www3.epa.gov/watersense/products/prsv.html>

<https://www3.epa.gov/watersense/docs/prsv-finalspec-091913-final-508.pdf>

**Information/materials on CEE specifications:**

Residential Clothes Washers

[https://library.cee1.org/sites/default/files/library/12282/CEE\\_ResidentialClothesWasherSpec\\_07Mar2015.pdf](https://library.cee1.org/sites/default/files/library/12282/CEE_ResidentialClothesWasherSpec_07Mar2015.pdf)

Residential Dishwashers

[https://library.cee1.org/sites/default/files/library/9562/2016\\_Residential\\_Dishwasher\\_Specification.pdf](https://library.cee1.org/sites/default/files/library/9562/2016_Residential_Dishwasher_Specification.pdf)

Commercial, Family-Sized Clothes Washers

[https://library.cee1.org/sites/default/files/library/9564/comwash\\_specs\\_3.pdf](https://library.cee1.org/sites/default/files/library/9564/comwash_specs_3.pdf)

Commercial Ice-Makers

<https://library.cee1.org/content/cee-high-efficiency-specifications-commercial-ice-machines/>

Pre-rinse Spray Valves

[https://library.cee1.org/sites/default/files/library/11493/CEE\\_ComKit\\_PRSV\\_Specification\\_June2014\\_updated\\_July\\_7\\_2015.pdf](https://library.cee1.org/sites/default/files/library/11493/CEE_ComKit_PRSV_Specification_June2014_updated_July_7_2015.pdf)

Commercial Steam Cookers

[https://library.cee1.org/sites/default/files/library/4245/CEE\\_Steamer\\_Specification\\_20100901\\_updated\\_July\\_7\\_2015.pdf](https://library.cee1.org/sites/default/files/library/4245/CEE_Steamer_Specification_20100901_updated_July_7_2015.pdf)