

**USE ONLY WHAT YOU NEED.**

 denverwater.org



# 2009 FLUSHOMETER BOWL & VALVE COMBINATION REBATE APPLICATION

Denver Water will pay our commercial, industrial and institutional customer to install flushometer bowl and valve combinations that flush 1.6 gallons per flush (gpf) or less.

The Flushometer Bowl & Valve rebate program offers a rebate of:

- **\$125** per high efficiency toilet (HET-1.28 gpf or less) flushometer bowl and valve combination installed.
- **\$ 75** per 1.6 gpf flushometer bowl and valve combination installed
- **\$ 60** per 1.6 gpf or less flushometer bowl from accompanying list and compatible retrofit flush valve all installed

*Note: The Alliance of Water Efficiency cautions against installing HET's if the physical conditions of the existing drainlines may be suspect or if there are little or no supplemental flows available at the site to augment the carry of waste. If new construction, it is recommended that designers seriously consider:*

- (a) the placement of water consuming fixtures (e.g. lavatories and flushing urinals) upstream of the HETs and
- (b) providing for drainline slopes of greater than -1 percent.

**Qualifications:**

- Customer must receive treated water from Denver Water or a Denver Water provider. (See accompanying list to see if your provider qualifies).
- A receipt for the new flushometer bowl and valve combination or retrofit kit, dated between January 1 – December 31, 2009 must be provided with your application.
- **SUBMIT YOUR APPLICATION WITHIN 90 DAYS OF PURCHASE.** Installation and inspection must be completed within 12 months.
- Only the models on the accompanying list are eligible for rebate.
- Denver Water must verify installation and will call to schedule an inspection visit.
- Mail completed application form to Denver Water, MC 330, 1600 W. 12th Ave, Denver CO 80204.
- Please allow 8-12 weeks for your completed application to be processed.
- If you have questions, please call 303-628-6343.

**Applicant Section:** Please return this completed form with your original sales receipt to Denver Water to qualify for the rebate.

**\* Failure to cash a rebate check within 90 days of issuance shall void the rebate and shall relieve Denver Water of any obligation or liability to pay the rebate. Rebate checks cannot be reissued.**

**Enter the name and address of the person/company receiving the rebate:**

|         |      |                    |
|---------|------|--------------------|
| Name    |      | Daytime Phone No.  |
| Company |      | Federal Tax ID No. |
| Address | City | Zip code           |

**Enter the contact name and address where the item(s) are installed (if different from above)**

|  |                |                   |
|--|----------------|-------------------|
| Name                                       |                | Daytime Phone No. |
| Company                                    |                | No. replaced      |
| Address                                    | City           | Zip code          |
| Denver Water or Water Provider Account No. | Water Provider |                   |

I certify that the flushometer bowl and valve combination or retrofit kit were purchased new in 2009 and installed at the address indicated. I have stapled the original sales receipt to the application. I certify that the old bowl(s) has been rendered inoperable and have not been sold or donated for resale. I understand that the installation of a flushometer bowl and valve combination or retrofit kit may not result in a decrease in my water bill, and that Denver Water will inspect my premises prior to issuing my rebate.

|                     |      |
|---------------------|------|
| Applicant Signature | Date |
|---------------------|------|

|                 |      |              |  |
|-----------------|------|--------------|--|
| Inspection date | Time | Inspected by | Accepted<br><input type="checkbox"/> Yes <input type="checkbox"/> No |
|-----------------|------|--------------|--|

|   |  |
|---|--|
| <b>For Denver Water Use:</b> The flushometer bowl and valve combination or retrofit kit has been installed and meets Denver Water rebate qualifications. If no, customer does not qualify for rebate. | <input type="checkbox"/> Yes <input type="checkbox"/> No |
|---|--|

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**2009**

**FLUSHOMETER BOWL  
& VALVE COMBINATION  
REBATE APPLICATION**

**2**

**To be completed by Denver Water Inspector:**

|                              |
|------------------------------|
| Old equipment make and model |
|                              |
| New equipment make and model |
|                              |

**List of Denver Water Providers:**

| If your provider is on this list,<br>please mail your rebate to your provider (not Denver Water) | If your provider is on this list, please mail your application to<br>Denver Water at: 1600 W. 12th Ave. MC 330, Denver, CO, 80204. |                                      |
|--|--|--------------------------------------|
| Alameda W&S District   | 359 S. Harlan St. Lakewood 80226   | Arapahoe Estates Water District      |
| Bancroft-Clover W&S District   | 900 S. Wadsworth Blvd. Lakewood 80226-4398   | Bear Creek W&S District              |
| Bonvue W&S District  | South Hoyt Street Lakewood 8021580226  | Bennett Bear Creek Farm W&S District |
| Bow-Mar W&S District   | 8739 W. Coal Mine Ave. Littleton 80123   | Berkeley W&S District                |
| Cherry Creek Valley W&S District   | 2325 So. Wabash St. Denver 80231   | Castlewood W&S District              |
| Cherry Creek Village Water District  | 6399 S. Fiddler's Green Cir., Ste. 102.<br>Greenwood Village 80111-28144974  | Charlou Park Water District          |
| Consolidated Mutual Water Company*   | 12700 W. 27th Avenue Lakewood 80215  | Cherry Hills Heights W&S District    |
| Crestview W&S District   | P. O. Box 21299 Denver 80221-0299  | Cherry Hills North W&S District      |
| City of Edgewater  | 2401 Sheridan Blvd. Edgewater 80214  | City of Cherry Hills Village         |
| City of Glendale   | 4360 E. Virginia Ave. Glendale 80246   | Colorado Academy                     |
| Green Mountain W&S District  | 13919 W. Utah Ave. Lakewood 80228  | Colorado Dept. of Natural Resources  |
| High View Water District   | 1002 Kipling St. Lakewood 80215-4617   | Columbine W&S District               |
| Ken-Caryl Ranch W&S District   | 10698 Centennial Rd. Littleton 80127   | Country Homes Metropolitan District  |
| Lakehurst W&S District   | 7995 W. Quincy Ave. Littleton 80123-1319   | Devonshire Heights W&S District      |
| City of Lakewood   | 480 S. Allison Pkwy., Civic Center N.<br>Lakewood 80226-3127   | Denver Water                         |
| Meadowbrook Water District   | 9850-B W. Girton Dr. Lakewood, CO 80227  | Douglas County Metro. District       |
| North Pecos W&S District   | 6900 N. Pecos St. Denver 80221   | East Cherry Hills Water District     |
| North Washington St. W&S District  | 3172 E. 78th Ave. Denver 80229-6120  | Fehlmann Subdivision Water Assn.     |
| Valley Water District  | 12101 W. 52nd Ave. Wheat Ridge 80034   | Galleria Metropolitan District       |
| Wheat Ridge Water District   | P. O. Box 637. Wheat Ridge 80034-0637  | Grant W&S District                   |
| Willowbrook W&S District   | 9850-B W. Girton Dr. Lakewood 80227  | City of Greenwood Village            |
| Willows Water District   | 6930 S. Holly Cir. Centennial 80112  | Havana W&S District                  |
|  |  | HI-LIN W&S District                  |
|  |  | Hillcrest W&S District               |
|  |  | Holly Hills W&S District             |
|  |  | Holly Mutual Water Company           |
|  |  | City of Littleton                    |
| <i>*Account Numbers beginning with '03' do not qualify.</i>                                      |  |                                      |

**Failure to cash a rebate check within 90 days of issuance shall void the rebate and shall relieve Denver Water of any obligation or liability to pay the rebate. Rebate checks cannot be reissued.**

# Maximum Performance (MaP) of Toilet Fixtures Flushometer Valve/Bowl Combinations

## Appendix D - Sorted by Manufacturer

**IMPORTANT NOTE:** The evaluation and MaP measurement of the flushometer bowl/valve combinations shown below was performed using the existing MaP protocol designed for residential applications. A new, more rigorous commercial MaP protocol for non-residential (public restroom) applications is under development. The fixture combinations shown below will likely be re-tested in 2009 against the new commercial protocol and it is possible that results will change.

| MaP Test Report No.<br>(for internal use only) | Make              | KEY:                                   |  |                          | MaP Flush Performance (grams of solid waste removed from the toilet in a SINGLE flush) | Round Front (R) or Elongated (E) bowl   | ADA-Comfort Height-Right Height Bowl | High-Efficiency Toilet (HET) | Rear Discharge (Back Outlet) | Floor-Mounted (F) OR Wall-Mounted (W) |
|--|-------------------|--|--|--------------------------|--|---|--------------------------------------|------------------------------|------------------------------|---------------------------------------|
|  |                   | Flush performance (MaP column & score) |  |                          |  |   |                                      |                              |                              |                                       |
|  |                   | 250 grams to 475 grams                 |  |                          |  |   |                                      |                              |                              |                                       |
|  |                   | 500 grams and more                     |  |                          |  |   |                                      |                              |                              |                                       |
|  |                   | Type of toilet fixture                 |  |                          |  |   |                                      |                              |                              |                                       |
| Model Name                                     | Bowl Model Number | Valve Model Number                     | 6-L (1.6-gal) Flushometer Bowl & Valve Combination (Commercial applications) |                          |  | 4.8-L (1.28-gal) (max) Flushometer Bowl & Valve Combination HET (Commercial applications) |                                      |                              |                              |                                       |
| 10-134   | American Standard | Afwall FloWise EL                      | 3351.128 (top spud)  | Sloan 111-1.2 (1-1/2")   | 800  | E   | *                                    | YES                          | R                            | W                                     |
| 10-135   | American Standard | Afwall EL                              | 3351.160 (top spud)  | Toto TET 1 DNCR (1-1/2") | 1,000  | E   | *                                    | NO                           | R                            | W                                     |
| 10-135   | American Standard | Afwall EL                              | 3352.160 (top spud; w/bedpan lugs)   | Toto TET 1 DNCR (1-1/2") | 1,000  | E   | *                                    | NO                           | R                            | W                                     |
| 10-134   | American Standard | Afwall FloWise EL                      | 3352.128 (top spud; w/bedpan lugs)   | Sloan 111-1.2 (1-1/2")   | 800  | E   | *                                    | YES                          | R                            | W                                     |
| 13-092   | American Standard | Priolo EL ADA                          | 3695.128 (top spud)  | Sloan 111-1.2 (1-1/2")   | 1,000  | E   | *                                    | YES                          | R                            | F                                     |
| 13-092   | American Standard | Priolo EL ADA                          | 3696.128 (top spud; w/bed pan lugs)  | Sloan 111-1.2 (1-1/2")   | 1,000  | E   | *                                    | YES                          | R                            | F                                     |
| 13-094   | American Standard | Priolo EL ADA                          | 3695.016 flushometer bowl (top spud)   | Toto TET 1 DNCR (1-1/2") | 1,000  | E   | *                                    | NO                           | R                            | F                                     |
| 13-094   | American Standard | Priolo EL ADA                          | 3696.016 flushometer bowl (top spud; w/ bed pan lugs)                        | Toto TET 1 DNCR (1-1/2") | 1,000  | E   | *                                    | NO                           | R                            | F                                     |
| 13-094   | American Standard | Priolo EL ADA                          | 3697.016 flushometer bowl (back spud)  | Toto TET 1 DNCR (1-1/2") | 1,000  | E   | *                                    | NO                           | R                            | F                                     |
| 13-094   | American Standard | Priolo EL ADA                          | 3698.016 flushometer bowl (back spud; w/ bed pan lugs)                       | Toto TET 1 DNCR (1-1/2") | 1,000  | E   | *                                    | NO                           | R                            | F                                     |
| 13-092   | American Standard | Priolo EL ADA                          | 3697.128 flushometer bowl (back spud)  | Toto TET 1 DNCR (1-1/2") | 1,000  | E   | *                                    | YES                          | R                            | F                                     |
| 13-092   | American Standard | Priolo EL ADA                          | 3698.128 flushometer bowl (back spud; w/ bed pan lugs)                       | Toto TET 1 DNCR (1-1/2") | 1,000  | E   | *                                    | YES                          | R                            | F                                     |

| MaP Test Report No.<br>(for internal use only)  | KEY:   |                                      |                                     |                          | MaP Flush Performance (grams of solid waste removed from the toilet in a SINGLE flush) | Round Front (R) or Elongated (E) bowl | ADA-Comfort Height-Right Height Bowl | High-Efficiency Toilet (HET) | Rear Discharge (Back Outlet) | Floor-Mounted (F) OR Wall-Mounted (W) |
|---|--|--------------------------------------|-------------------------------------|--------------------------|--|---------------------------------------|--------------------------------------|------------------------------|------------------------------|---------------------------------------|
|   | Flush performance (MaP column & score)                                       |                                      |                                     |                          |  |                                       |                                      |                              |                              |                                       |
|   | 250 grams to 475 grams   |                                      |                                     |                          |  |                                       |                                      |                              |                              |                                       |
|   | 500 grams and more   |                                      |                                     |                          |  |                                       |                                      |                              |                              |                                       |
|   | Type of toilet fixture   |                                      |                                     |                          |  |                                       |                                      |                              |                              |                                       |
|   | 6-L (1.6-gal) Flushometer Bowl & Valve Combination (Commercial applications) |                                      |                                     |                          |  |                                       |                                      |                              |                              |                                       |
| 4.8-L (1.28-gal) (max) Flushometer Bowl & Valve Combination HET (Commercial applications) |  |                                      |                                     |                          |  |                                       |                                      |                              |                              |                                       |
| Make  | Model Name   | Bowl Model Number                    | Valve Model Number                  |                          |  |                                       |                                      |                              |                              |                                       |
| 10-129  | American Standard  | Madera EL (10-inch rough-in)         | 3451.160 (top spud)                 | Toto TET 1 DNCR (1-1/2") | 1,000  | E                                     |                                      | NO                           |                              | F                                     |
| 10-129  | American Standard  | Madera EL (10-inch rough-in)         | 3452.160 (top spud; w/bedpan lugs)  | Toto TET 1 DNCR (1-1/2") | 1,000  | E                                     |                                      | NO                           |                              | F                                     |
| 10-130  | American Standard  | Madera EL (10-inch rough-in)         | 3453.160 (back spud)                | Toto TET 1 DNCR (1-1/2") | 1,000  | E                                     |                                      | NO                           |                              | F                                     |
| 10-130  | American Standard  | Madera EL (10-inch rough-in)         | 3455.160 (back spud; w/bedpan lugs) | Toto TET 1 DNCR (1-1/2") | 1,000  | E                                     |                                      | NO                           |                              | F                                     |
| 10-131  | American Standard  | Madera EL ADA (10-inch rough-in)     | 3461.160 (top spud)                 | Toto TET 1 DNCR (1-1/2") | 1,000  | E                                     | *                                    | NO                           |                              | F                                     |
| 10-131  | American Standard  | Madera EL ADA (10-inch rough-in)     | 3462.160 (top spud; w/bedpan lugs)  | Toto TET 1 DNCR (1-1/2") | 1,000  | E                                     | *                                    | NO                           |                              | F                                     |
| 10-132  | American Standard  | Madera FloWise EL (10-inch rough-in) | 3451.128 (top spud)                 | Sloan 111-1.2 (1-1/2")   | 1,000  | E                                     |                                      | YES                          |                              | F                                     |
| 10-132  | American Standard  | Madera FloWise EL (10-inch rough-in) | 3452.128 (top spud; w/bedpan lugs)  | Sloan 111-1.2 (1-1/2")   | 1,000  | E                                     |                                      | YES                          |                              | F                                     |
| 10-133  | American Standard  | Madera FloWise EL ADA (10-in rough)  | 3461.128 (top spud)                 | Sloan 111-1.2 (1-1/2")   | 1,000  | E                                     | *                                    | YES                          |                              | F                                     |
| 10-133  | American Standard  | Madera FloWise EL ADA (10-in rough)  | 3462.128 (top spud; w/bedpan lugs)  | Sloan 111-1.2 (1-1/2")   | 1,000  | E                                     | *                                    | YES                          |                              | F                                     |
| 11-041  | Crane  | EcoWhirlton EL                       | 3325                                | Sloan WES 111            | 800  | E                                     |                                      | YES                          |                              | F                                     |
| 11-044  | Crane  | Hymont RF ADA                        | 3H701                               | Sloan WES 111            | 350  | R                                     | *                                    | NO                           |                              | F                                     |
| 11-043  | Crane  | Placidus RF ADA                      | 3446                                | Sloan WES 111            | 350  | R                                     | *                                    | NO                           | R                            | W                                     |
| 11-035  | Crane  | San Walton EL                        | 3480                                | Sloan WES 111            | 800  | E                                     |                                      | NO                           |                              | F                                     |
| 11-033  | Crane  | San Walton EL                        | 3481                                | Sloan WES 111            | 500  | E                                     |                                      | NO                           |                              | F                                     |
| 11-032  | Crane  | San Walton EL                        | 3484                                | Sloan WES 111            | 500  | E                                     |                                      | NO                           |                              | F                                     |
| 11-031  | Crane  | San Walton EL ADA                    | 31080                               | Sloan WES 111            | 600  | E                                     | *                                    | NO                           |                              | F                                     |
| 11-034  | Crane  | San Walton EL ADA                    | 31082                               | Sloan WES 111            | 800  | E                                     | *                                    | NO                           |                              | F                                     |

| MaP Test Report No.<br>(for internal use only)  | KEY:   |                                   |                          |                               | MaP Flush Performance (grams of solid waste removed from the toilet in a SINGLE flush) | Round Front (R) or Elongated (E) bowl | ADA-Comfort Height-Right Height Bowl | High-Efficiency Toilet (HET) | Rear Discharge (Back Outlet) | Floor-Mounted (F) OR Wall-Mounted (W) |
|---|--|-----------------------------------|--------------------------|-------------------------------|--|---------------------------------------|--------------------------------------|------------------------------|------------------------------|---------------------------------------|
|   | Flush performance (MaP column & score)                                       |                                   |                          |                               |  |                                       |                                      |                              |                              |                                       |
|   | 250 grams to 475 grams   |                                   |                          |                               |  |                                       |                                      |                              |                              |                                       |
|   | 500 grams and more   |                                   |                          |                               |  |                                       |                                      |                              |                              |                                       |
|   | Type of toilet fixture   |                                   |                          |                               |  |                                       |                                      |                              |                              |                                       |
|   | 6-L (1.6-gal) Flushometer Bowl & Valve Combination (Commercial applications) |                                   |                          |                               |  |                                       |                                      |                              |                              |                                       |
| 4.8-L (1.28-gal) (max) Flushometer Bowl & Valve Combination HET (Commercial applications) |  |                                   |                          |                               |  |                                       |                                      |                              |                              |                                       |
| Make  | Model Name   | Bowl Model Number                 | Valve Model Number       |                               |  |                                       |                                      |                              |                              |                                       |
| 11-036  | Crane  | San Walton EL ADA                 | 31083                    | Sloan WES 111                 | 800  | E                                     | *                                    | NO                           |                              | F                                     |
| 11-042  | Crane  | Whirlton RF                       | 3327                     | Sloan WES 111                 | 400  | R                                     |                                      | NO                           |                              | F                                     |
| 10-143  | Kohler   | Wellworth EL                      | K-4406                   | Kohler K-10956 (piston type)  | 1,000  | E                                     |                                      | YES                          |                              | F                                     |
| 14-116  | Kohler   | Kingston EL                       | K-4325                   | Kohler K-10956 (piston type)  | 1,000  | E                                     | *                                    | YES                          | R                            | W                                     |
| 12-001  | Kohler   | Highline EL ADA                   | K-4405 and K-4405L bowls | Kohler K-10956 (piston type)  | 1,000  | E                                     | *                                    | YES                          |                              | F                                     |
| 13-057  | Pro-Flo  | None EL                           | PF1721 (top spud)        | Sloan Royal 111-1.2 valve     | 900  | E                                     |                                      | YES                          |                              | F                                     |
| 13-059  | Pro-Flo  | None EL (wall mount-ADA possible) | PF1731 (top spud)        | Sloan Royal 111-1.2 valve     | 850  | E                                     | *                                    | YES                          | R                            | W                                     |
| 13-055  | Pro-Flo  | None EL ADA                       | PF1723 (top spud)        | Sloan Royal 111-1.2 valve     | 900  | E                                     | *                                    | YES                          |                              | F                                     |
| 13-042  | Toto   | None EL ADA                       | CT708EV (rear spud)      | Toto TET 1LN-32 (piston type) | 1,000  | E                                     | *                                    | YES                          | R                            | W                                     |
| 13-039  | Toto   | None EL                           | CT705E (top spud)        | Toto TET 1LN-32 (piston type) | 1,000  | E                                     |                                      | YES                          |                              | F                                     |
| 13-040  | Toto   | None EL ADA                       | CT705EL (top spud)       | Toto TET 1LN-32 (piston type) | 1,000  | E                                     | *                                    | YES                          |                              | F                                     |
| 13-041  | Toto   | None EL ADA                       | CT708E (top spud)        | Toto TET 1LN-32 (piston type) | 1,000  | E                                     | *                                    | YES                          | R                            | W                                     |
| 13-056  | Tynan Plumbing   | None EL                           | 7501 (top spud)          | Sloan Royal 111-1.2 valve     | 900  | E                                     |                                      | YES                          |                              | F                                     |
| 13-058  | Tynan Plumbing   | None EL (wall mount-ADA possible) | 7503 (top spud)          | Sloan Royal 111-1.2 valve     | 850  | E                                     | *                                    | YES                          | R                            | W                                     |
| 13-054  | Tynan Plumbing   | None EL ADA                       | 7502 (top spud)          | Sloan Royal 111-1.2 valve     | 900  | E                                     | *                                    | YES                          |                              | F                                     |
| 12-041  | Zurn   | None EL                           | Z5655-BWL HET            | ZTS6200EV                     | 1,000  | E                                     |                                      | YES                          |                              | F                                     |
| 12-042  | Zurn   | None EL ADA                       | Z5665-BWL HET            | ZTS6200EV                     | 1,000  | E                                     | *                                    | YES                          |                              | F                                     |
| 12-043  | Zurn   | None EL (wall mount-ADA possible) | Z5615-BWL HET            | ZTS6200EV                     | 800  | E                                     | *                                    | YES                          | R                            | W                                     |

Notes: RF – Round-front toilet bowl

EL – Elongated-front toilet bowl

ADA-Meets bowl-height requirements of Americans with Disabilities Act; does NOT imply that fixture meets any other ADA requirements.

G - Gallons per Flush

L - Litres per Flush