

Council Meeting of
May 3, 2011

Honorable Mayor and Members
of the City Council
City Hall
Torrance, California

Members of the Council:

SUBJECT: General Services- Award a contract for purchase and installation of energy efficient low flow plumbing fixtures city wide

Expenditure: \$ 177,290

RECOMMENDATION

Recommendation of the General Services Director that City Council

- 1) Award a contract with Bottom Line Utility Solutions Inc. for \$154,165 with a 5% contingency of \$7,708 for purchase and installation of energy efficient low flow plumbing fixtures city wide as a cooperative purchase with West Basin Metropolitan Water District.
- 2) Approve a 10% project management fee of \$15,417

Funding - Funding is available in FEAP 751- Energy Projects

BACKGROUND

The City's Consolidated Energy Plan approved in July 2010 included installation of low flow plumbing fixtures throughout the City to achieve water use savings. While preparing the specification for bidding, staff became aware of a cooperative purchase program available through the West Basin Metropolitan Water District where selected contractors provide incentives for the installation of low flow plumbing products. Bottom Line Utility Solutions is the participating vendor within this program and has offered \$64,750 in incentives for the installation of various plumbing fixtures for the City of Torrance. The Bottom Line Utility Solutions proposal of \$154,165 includes this \$64,750 reduction. The City is not required to compete or apply for these incentive payments. The City also obtained an informal proposal from a large local plumbing contractor capable of accomplishing this work. Comparing the two proposals revealed the Bottom Line Utility Solutions proposal to be approximately \$100 less per fixture.

ANALYSIS

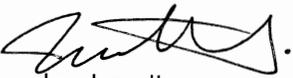
Installation of fixtures will provide an estimated annual savings of \$27,492 considering current water rates. It should be noted that water rates are scheduled to increase over the next several years, which will achieve added savings. Based on these savings the payback period is approximately 5.6 years. Public Works staff have also had a positive history of working with Bottom Line Utility Solutions on similar projects.

On conferring with West Basin Metropolitan Water District regarding the vendor selection process to offer the included incentives, it was determined that the process used an open, competitive Request for Proposals (RFP) that evaluated past performance, time of response and customer service, as well as price. Both the grant provider (US Bureau of Reclamation) and West Basin's policies require an open selection process. Bottom Line Utility Solutions is the only vendor being offered to the City under the incentive program. The resulting contract would be a cooperative purchase procurement through terms secured by another public agency. City Attorney staff confirmed that the City of Torrance may participate in the incentive program as established.

On the above proposal and findings, General Services Director recommends Council Award a contract with Bottom Line Utility Solutions Inc. for \$154,165 for purchase and installation of energy efficient low flow plumbing fixtures.

Respectfully submitted,

Sheryl Ballew
General Services Director


By Jon Landis
Facility Services Manager

CONCUR:


Sheryl Ballew
General Services Director


LeRoy J. Jackson
City Manager

Attachment A: Bottom Line Utility Solutions, Inc. Contract

CONTRACT SERVICES AGREEMENT

This CONTRACT SERVICES AGREEMENT ("Agreement") is made and entered into as of May 3, 2011 (the "Effective Date"), by and between the CITY OF TORRANCE, a municipal corporation ("CITY"), and Bottom Line Utility Solutions, Inc, a California corporation ("CONTRACTOR").

RECITALS:

- A. CITY wishes to retain the services of an experienced and qualified CONTRACTOR to install low flow plumbing fixtures.
- B. CONTRACTOR represents that it is qualified to perform those services.

AGREEMENT:

1. **SERVICES TO BE PERFORMED BY CONTRACTOR**

CONTRACTOR will provide the services listed in the Scope of Services attached as Exhibit A. CONTRACTOR warrants that all work and services set forth in the Scope of Services will be performed in a competent, professional and satisfactory manner.

2. **TERM**

Unless earlier terminated in accordance with Paragraph 4 below, this Agreement will continue in full force and effect from the Effective Date through May 3, 2013.

3. **COMPENSATION**

- A. CONTRACTOR's Fee.

For services rendered pursuant to this Agreement, CONTRACTOR will be paid in accordance with the Compensation Schedule attached as Exhibit B, provided, however, that in no event will the total amount of money paid the CONTRACTOR, for services initially contemplated by this Agreement, exceed the sum of \$154,165 ("Agreement Sum"), unless otherwise first approved in writing by CITY.

B. Schedule of Payment.

Provided that the CONTRACTOR is not in default under the terms of this Agreement, upon presentation of an invoice, CONTRACTOR will be paid the fees described in Paragraph 3.A. above, according to the Compensation Schedule. Payment will be due within 30 days after the date of the invoice.

4. TERMINATION OF AGREEMENT

A. Termination by CITY for Convenience.

1. CITY may, at any time, terminate the Agreement for CITY's convenience and without cause.
2. Upon receipt of written notice from CITY of such termination for CITY's convenience, CONTRACTOR will:
 - a. cease operations as directed by CITY in the notice;
 - b. take actions necessary, or that CITY may direct, for the protection and preservation of the work; and
 - c. except for work directed to be performed prior to the effective date of termination stated in the notice, terminate all existing subcontracts and purchase orders and enter into no further subcontracts and purchase orders.
3. In case of such termination for CITY's convenience, CONTRACTOR will be entitled to receive payment for work executed; and costs incurred by reason of such termination, along with reasonable overhead and profit on the work not executed.

B. Termination for Cause.

1. If either party fails to perform any term, covenant or condition in this Agreement and that failure continues for 15 calendar days after the nondefaulting party gives the defaulting party written notice of the failure to perform, this Agreement may be terminated for cause; provided, however, that if during the notice period the defaulting party has promptly commenced and continues diligent efforts to remedy the default, the defaulting party will have such additional time as is reasonably necessary to remedy the default.
2. In the event this Agreement is terminated for cause by the default of the CONTRACTOR, the CITY may, at the expense of the CONTRACTOR and its surety, complete this Agreement or cause it to be completed. Any check or bond delivered to the CITY in connection with this Agreement, and the money payable thereon, will be forfeited to and remain the property of the CITY. All moneys

due the CONTRACTOR under the terms of this Agreement will be retained by the CITY, but the retention will not release the CONTRACTOR and its surety from liability for the default. Under these circumstances, however, the CONTRACTOR and its surety will be credited with the amount of money retained, toward any amount by which the cost of completion exceeds the Agreement Sum and any amount authorized for extra services.

3. Termination for cause will not affect or terminate any of the rights of the CITY as against the CONTRACTOR or its surety then existing, or which may thereafter accrue because of the default; this provision is in addition to all other rights and remedies available to the CITY under law.

C. Termination for Breach of Law.

In the event the CONTRACTOR or any of its officers, directors, shareholders, employees, agents, subsidiaries or affiliates is convicted (i) of a criminal offense as an incident to obtaining or attempting to obtain a public or private contract or subcontract, or in the performance of a contract or subcontract; (ii) under state or federal statutes of embezzlement, theft, forgery, bribery, falsification or destruction of records, receiving stolen property, or any other offense indicating a lack of business integrity or business honesty which currently, seriously, and directly affects responsibility as a public consultant or contractor; (iii) under state or federal antitrust statutes arising out of the submission of bids or proposals; or (iv) of violation of Paragraph 19 of this Agreement; or for any other cause the CITY determines to be so serious and compelling as to affect CONTRACTOR's responsibility as a public consultant or contractor, including but not limited to, debarment by another governmental agency, then the CITY reserves the unilateral right to terminate this Agreement or to impose such other sanctions (which may include financial sanctions, temporary suspensions or any other condition deemed appropriate short of termination) as it deems proper. The CITY will not take action until CONTRACTOR has been given notice and an opportunity to present evidence in mitigation.

5. **FORCE MAJEURE**

If any party fails to perform its obligations because of strikes, lockouts, labor disputes, embargoes, acts of God, inability to obtain labor or materials or reasonable substitutes for labor or materials, governmental restrictions, governmental regulations, governmental control, judicial orders, enemy or hostile governmental action, civil commotion, fire or other casualty, or other causes beyond the reasonable control of the party obligated to perform, then that party's performance shall be excused for a period equal to the period of such cause for failure to perform.

6. **RETENTION OF FUNDS**

CONTRACTOR authorizes CITY to deduct from any amount payable to CONTRACTOR (whether or not arising out of this Agreement) any amounts the payment of which may be in dispute or that are necessary to compensate CITY for any losses, costs, liabilities, or damages suffered by CITY, and all amounts for which CITY may be liable to third parties, by reason of CONTRACTOR's acts or omissions in performing or failing to perform CONTRACTOR's obligations under this Agreement. In the event that any claim is made by a third party, the amount or validity of which is disputed by CONTRACTOR, or any indebtedness exists that appears to be the basis for a claim of lien, CITY may withhold from any payment due, without liability for interest because of the withholding, an amount sufficient to cover the claim. The failure of CITY to exercise the right to deduct or to withhold will not, however, affect the obligations of CONTRACTOR to insure, indemnify, and protect CITY as elsewhere provided in this Agreement.

7. CITY REPRESENTATIVE

Jon Landis is designated as the "City Representative," authorized to act in its behalf with respect to the work and services specified in this Agreement and to make all decisions in connection with this Agreement. Whenever approval, directions, or other actions are required by CITY under this Agreement, those actions will be taken by the City Representative, unless otherwise stated. The City Manager has the right to designate another City Representative at any time, by providing notice to CONTRACTOR.

8. CONTRACTOR REPRESENTATIVE(S)

The following principal(s) of CONTRACTOR are designated as being the principal(s) and representative(s) of CONTRACTOR authorized to act in its behalf with respect to the work specified in this Agreement and make all decisions in connection with this Agreement:

Robert Edelstein, CEO
David Sonke, COO

9. INDEPENDENT CONTRACTOR

The CONTRACTOR is, and at all times will remain as to CITY, a wholly independent contractor. Neither CITY nor any of its agents will have control over the conduct of the CONTRACTOR or any of the CONTRACTOR's employees, except as otherwise set forth in this Agreement. The CONTRACTOR may not, at any time or in any manner, represent that it or any of its agents or employees are in any manner agents or employees of CITY.

10. **BUSINESS LICENSE**

The CONTRACTOR must obtain a City business license prior to the start of work under this Agreement, unless CONTRACTOR is qualified for an exemption.

11. **OTHER LICENSES AND PERMITS**

CONTRACTOR warrants that it has all professional, contracting and other permits and licenses required to undertake the work contemplated by this Agreement.

12. **FAMILIARITY WITH WORK**

By executing this Agreement, CONTRACTOR warrants that CONTRACTOR (a) has thoroughly investigated and considered the scope of services to be performed, (b) has carefully considered how the services should be performed, and (c) fully understands the facilities, difficulties and restrictions attending performance of the services under this Agreement. If the services involve work upon any site, CONTRACTOR warrants that CONTRACTOR has or will investigate the site and is or will be fully acquainted with the conditions there existing, prior to commencement of services set forth in this Agreement. Should CONTRACTOR discover any latent or unknown conditions that will materially affect the performance of the services set forth in this Agreement, CONTRACTOR must immediately inform CITY of that fact and may not proceed except at CONTRACTOR's risk until written instructions are received from CITY.

13. **CARE OF WORK**

CONTRACTOR must adopt reasonable methods during the term of the Agreement to furnish continuous protection to the work, and the equipment, materials, papers, documents, plans, studies and other components to prevent losses or damages, and will be responsible for all damages, to persons or property, until acceptance of the work by CITY, except those losses or damages as may be caused by CITY's own negligence.

14. **CONTRACTOR'S ACCOUNTING RECORDS; OTHER PROJECT RECORDS**

Records of the CONTRACTOR's time pertaining to the project, and records of accounts between CITY and the CONTRACTOR, will be kept on a generally recognized accounting basis. CONTRACTOR will also maintain all other records, including without limitation specifications, drawings, progress reports and the like, relating to the project. All records will be available to CITY during normal working hours. CONTRACTOR will maintain these records for three years after final payment.

15. **INDEMNIFICATION**

CONTRACTOR will indemnify, defend, and hold harmless CITY, the Redevelopment Agency of the City of Torrance, the City Council, each member thereof, present and future, members of boards and commissions, its officers, agents, employees and volunteers from and against any and all liability, expenses, including defense costs and legal fees, and claims for damages whatsoever, including, but not limited to, those arising from breach of contract,

bodily injury, death, personal injury, property damage, loss of use, or property loss however the same may be caused and regardless of the responsibility for negligence. The obligation to indemnify, defend and hold harmless includes, but is not limited to, any liability or expense, including defense costs and legal fees, arising from the negligent acts or omissions, or willful misconduct of CONTRACTOR, its officers, employees, agents, subcontractors or vendors. It is further agreed, CONTRACTOR's obligations to indemnify, defend and hold harmless will apply even in the event of concurrent negligence on the part of CITY, the City Council, each member thereof, present and future, or its officers, agents and employees, except for liability resulting solely from the negligence or willful misconduct of CITY, its officers, employees or agents. Payment by CITY is not a condition precedent to enforcement of this indemnity. In the event of any dispute between CONTRACTOR and CITY, as to whether liability arises from the sole negligence of the CITY or its officers, employees, agents, subcontractors or vendors, CONTRACTOR will be obligated to pay for CITY's defense until such time as a final judgment has been entered adjudicating the CITY as solely negligent. CONTRACTOR will not be entitled in the event of such a determination to any reimbursement of defense costs including but not limited to attorney's fees, expert fees and costs of litigation.

16. NON-LIABILITY OF CITY OFFICERS AND EMPLOYEES

No officer or employee of CITY will be personally liable to CONTRACTOR, in the event of any default or breach by the CITY or for any amount that may become due to CONTRACTOR.

17. INSURANCE

A. CONTRACTOR and its subcontractors must maintain at its sole expense the following insurance, which will be full coverage not subject to self insurance provisions:

1. Automobile Liability, including owned, non-owned and hired vehicles, with at least the following limits of liability:
 - a. Primary Bodily Injury with limits of at least \$500,000 per person, \$500,000 per occurrence; and
 - b. Primary Property Damage of at least \$250,000 per occurrence; or
 - c. Combined single limits of \$1,000,000 per occurrence.
2. General Liability including coverage for premises, products and completed operations, independent contractors/vendors, personal injury and contractual obligations with combined single limits of coverage of at least \$1,000,000 per occurrence.
3. Workers' Compensation with limits as required by the State of California and Employer's Liability with limits of at least \$1,000,000.

- B. The insurance provided by CONTRACTOR will be primary and non-contributory.
- C. CITY ("City of Torrance"), the Redevelopment Agency of the City of Torrance, the City Council and each member thereof, members of boards and commissions, every officer, agent, official, employee and volunteer must be named as additional insured under the automobile and general liability policies.
- D. CONTRACTOR must provide certificates of insurance and/or endorsements indicating appropriate coverage, to the City Clerk of the City of Torrance before the commencement of work.
- E. Each insurance policy required by this Paragraph must contain a provision that no termination, cancellation or change of coverage can be made without thirty days notice to CITY.

18. SUFFICIENCY OF INSURERS

Insurance required by this Agreement will be satisfactory only if issued by companies admitted to do business in California, rated "B+" or better in the most recent edition of Best's Key Rating Guide, and only if they are of a financial category Class VII or better, unless these requirements are waived by the Risk Manager of CITY ("Risk Manager") due to unique circumstances. In the event the Risk Manager determines that the work or services to be performed under this Agreement creates an increased or decreased risk of loss to CITY, the CONTRACTOR agrees that the minimum limits of any insurance policies or performance bonds required by this Agreement may be changed accordingly upon receipt of written notice from the Risk Manager; provided that CONTRACTOR will have the right to appeal a determination of increased coverage by the Risk Manager to the City Council of CITY within 10 days of receipt of notice from the Risk Manager.

19. CONFLICT OF INTEREST

- A. No officer or employee of the CITY may have any financial interest, direct or indirect, in this Agreement, nor may any officer or employee participate in any decision relating to the Agreement that effects the officer or employee's financial interest or the financial interest of any corporation, partnership or association in which the officer or employee is, directly or indirectly interested, in violation of any law, rule or regulation.
- B. No person may offer, give, or agree to give any officer or employee or former officer or employee, nor may any officer or employee solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, preparation or any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation,

auditing, or in any other advisory capacity in any way pertaining to any program requirement, contract or subcontract, or to any solicitation or proposal.

20. NOTICE

- A. All notices, requests, demands, or other communications under this Agreement will be in writing. Notice will be sufficiently given for all purposes as follows:
1. Personal delivery. When personally delivered to the recipient: notice is effective on delivery.
 2. First Class mail. When mailed first class to the last address of the recipient known to the party giving notice: notice is effective three mail delivery days after deposit in an United States Postal Service office or mailbox.
 3. Certified mail. When mailed certified mail, return receipt requested: notice is effective on receipt, if delivery is confirmed by a return receipt.
 4. Overnight delivery. When delivered by an overnight delivery service, charges prepaid or charged to the sender's account: notice is effective on delivery, if delivery is confirmed by the delivery service.
 5. Facsimile transmission. When sent by fax to the last fax number of the recipient known to the party giving notice: notice is effective on receipt. Any notice given by fax will be deemed received on the next business day if it is received after 5:00 p.m. (recipient's time) or on a non-business day.

6. Addresses for purpose of giving notice are as follows:

CONTRACTOR Bottom Line Utility Solutions, Inc.
 23015 Del Lago, Suite D2
 Laguna Hills, CA 92653
 949-707-1311
 Fax: 949-707-1325

CITY: City Clerk
 City of Torrance
 3031 Torrance Boulevard
 Torrance, CA 90509-2970
 Fax: (310) 618-2931

- B. Any correctly addressed notice that is refused, unclaimed, or undeliverable because of an act or omission of the party to be notified, will be deemed effective as of the first date the notice was refused, unclaimed or deemed undeliverable by the postal authorities, messenger or overnight delivery service.
- C. Either party may change its address or fax number by giving the other party notice of the change in any manner permitted by this Agreement.

21. PROHIBITION AGAINST ASSIGNMENT AND SUBCONTRACTING

This Agreement and all exhibits are binding on the heirs, successors, and assigns of the parties. The Agreement may not be assigned or subcontracted by either CITY or CONTRACTOR without the prior written consent of the other.

22. INTEGRATION; AMENDMENT

This Agreement represents the entire understanding of CITY and CONTRACTOR as to those matters contained in it. No prior oral or written understanding will be of any force or effect with respect to the terms of this Agreement. The Agreement may not be modified or altered except in writing signed by both parties.

23. INTERPRETATION

The terms of this Agreement should be construed in accordance with the meaning of the language used and should not be construed for or against either party by reason of the authorship of this Agreement or any other rule of construction that might otherwise apply.

24. SEVERABILITY

If any part of this Agreement is found to be in conflict with applicable laws, that part will be inoperative, null and void insofar as it is in conflict with any applicable laws, but the remainder of the Agreement will remain in full force and effect.

25. TIME OF ESSENCE

Time is of the essence in the performance of this Agreement.

26. GOVERNING LAW; JURISDICTION

This Agreement will be administered and interpreted under the laws of the State of California. Jurisdiction of any litigation arising from the Agreement will be in Los Angeles County, California.

27. COMPLIANCE WITH STATUTES AND REGULATIONS

CONTRACTOR will be knowledgeable of and will comply with all applicable federal, state, county and city statutes, rules, regulations, ordinances and orders.

28. WAIVER OF BREACH

No delay or omission in the exercise of any right or remedy by a nondefaulting party on any default will impair the right or remedy or be construed as a waiver. A party's consent or approval of any act by the other party requiring the party's consent or approval will not be deemed to waive or render unnecessary the other party's consent to or approval of any subsequent act. Any waiver by either party of any default must be in writing and will not be a waiver of any other default concerning the same or any other provision of this Agreement.

29. ATTORNEY'S FEES

Except as provided for in Paragraph 15, in any dispute, litigation, arbitration, or other proceeding by which one party either seeks to enforce its rights under this Agreement (whether in contract, tort or both) or seeks a declaration of any rights or obligations under this Agreement, the prevailing party will be awarded reasonable attorney's fees, together with any costs and expenses, to resolve the dispute and to enforce any judgment.

30. EXHIBITS

All exhibits identified in this Agreement are incorporated into the Agreement by this reference.

31. CONTRACTOR'S AUTHORITY TO EXECUTE

The persons executing this Agreement on behalf of the CONTRACTOR warrant that (i) the CONTRACTOR is duly organized and existing; (ii) they are duly authorized to execute this Agreement on behalf of the CONTRACTOR; (iii) by so executing this Agreement, the CONTRACTOR is formally bound to the provisions of this Agreement; and (iv) the entering into this Agreement does not violate any provision of any other Agreement to which the CONTRACTOR is bound.

CITY OF TORRANCE
a municipal corporation

Botton Line Utility Solutions, Inc.
a California corporation

Frank Scotto, Mayor

By: _____

Robert Edelstein
CEO

ATTEST:

Sue Herbers, CMC
City Clerk

APPROVED AS TO FORM:
JOHN L. FELLOWS III
City Attorney

By: _____

Attachments: Exhibit A Scope of Services
 Exhibit B Compensation Schedule

Revised: 10/29/2008

EXHIBIT A
SCOPE OF SERVICES

EXHIBIT A- SCOPE OF SERVICES

Retrofitting existing high water use toilets, urinals, and showers within City of Torrance facilities using the following fixtures:

- 1.28 gallon per flush toilets
- 0.125 gallon per flush urinals (1 pint)
- 1.5 gallon per minute shower heads

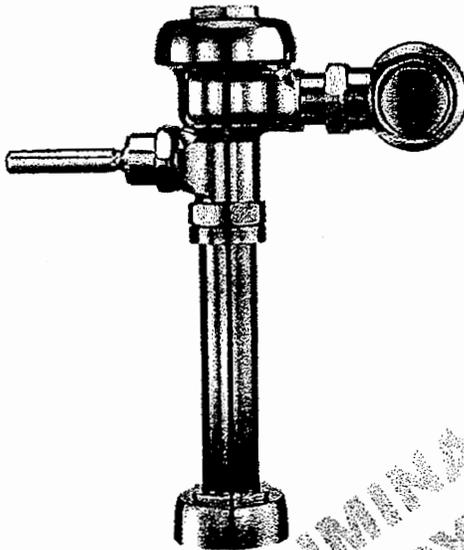
The contractor shall replace toilet, urinal, flush valves and shower heads in City of Torrance facilities per the attached list of Acceptable Replacement Fixtures (Attachment A) at locations shown in the Building Location And Fixture Count Listing (Attachment B). Installations shall result in complete and usable product of the fixture being retrofitted.

Summary of fixtures to be installed:

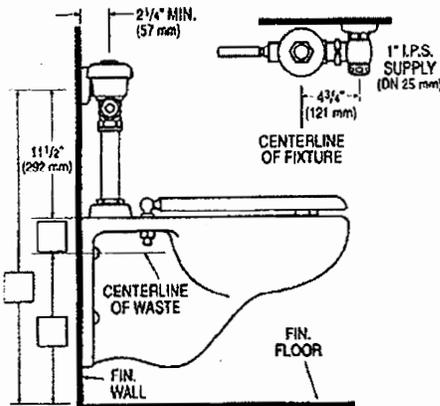
- A. (142) - 1.28 gpf floor mount toilet with Flushometer
- B. (65) - 1 gpf dual flush floor/wall mount Flushometer - VALVE ONLY
- C. (23) - 1.28 gpf ADA floor mount toilet with Flushometer
- D. (117) - 1.28 gpf wall mount toilet with Flushometer
- E. (5) - 1.6 gpf wall mount 3-bolt toilet with Flushometer
- F. (34) - 1.28 gpf tank type toilet
- G. (66) - 0.125 gpf large urinal
- H. (32) - 0.125 gpf small urinal
- I. (8) - 0.5 gpf floor mount urinal Flushometer - VALVE ONLY
- J. (43) - 1.5 gpf showerheads

Acceptable Replacement Fixtures- Attachment A

Sloan 111-1.28	flush valve
Sloan WES-111	flush valve
Zurn Z 5665-BWL	toilet fixture
Zurn Z 5615-BWL	toilet fixture
Crane Rapidway 3462/3464	toilet fixture
Western Pottery 832HY	toilet fixture (tank toilet)
Sloan Royal 186	flush valve (urinal)
Zurn EcoVantage Z5798.207	urinal
Zurn EcoVantage Z5738.207	urinal
Acorn Shower Nozzle	shower head
1.5 GPM Earth Massage	shower head



PRELIMINARY COPY



SLOAN.



Sloan Valve Company is buying renewable energy certificates to meet 100% of the company's purchased electricity use at its Franklin Park, IL facility.

Sloan 111-1.28 S.S. — Rev. X (12/08)
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SLOAN VALVE COMPANY

Sloan® Model 111-1.28 Flushometer

► **Description**

Exposed Water Closet Flushometer for floor mounted or wall hung top spud bowls.

► **Flush Cycle**

Model 111-1.28 High Efficiency (1.28 gpf/4.8 Lpf)

Note: Valve may not function with all bowls. Be sure to verify flow requirements with bowl manufacturer or call Sloan Valve Company.

► **Variations**

TP Trap Primer

DFB Dual Filtered Fixed Bypass Diaphragm

YO Bumper on Angle Stop

► **Specifications**

Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer with the following features:

- High Chloramine Resistant PERMEX™ Synthetic Rubber Diaphragm with Linear Filtered Bypass and Vortex Cleansing Action™
- ADA Compliant Metal Oscillating Non-Hold-Open Handle with Triple Seal Handle Packing
- 1" I.P.S. Screwdriver Bak-Chek® Angle Stop
- Vandal Resistant Stop Cap
- Adjustable Tailpiece
- Vacuum Breaker with Flush Connection
- Spud Coupling and Spud Flange for 1 1/2" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Wall Flange
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Non-Hold-Open Handle and No External Volume Adjustment to Ensure Water Conservation
- Low Consumption flush accuracy
- Handle Packing, Stop Seat and Vacuum Breaker Molded from PERMEX™ Rubber Compound for Chloramine Resistance
- 100% of the energy used in manufacturing is offset with Renewable Energy Sources – Wind Energy

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037, ANSI/ASME A112.19.2 and Military Specification V-29193.

See Accessories Section of the Sloan catalog for details on these and other Flushometer variations.



Made in the U.S.A.



This space for Architect/Engineer approval

Job Name _____ Date _____

Model Specified _____ Quantity _____

Variations Specified _____

Customer/Wholesaler _____

Contractor _____

Architect _____

The information contained in this document is subject to change without notice

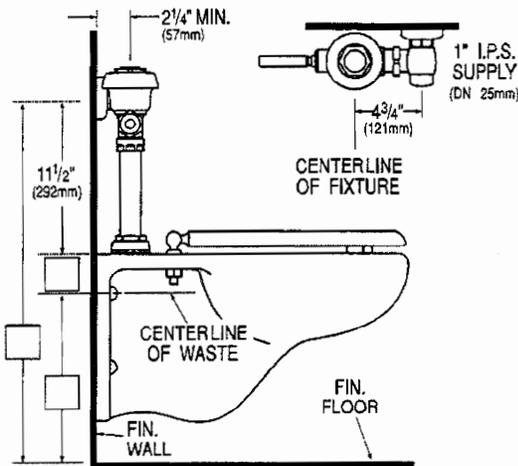
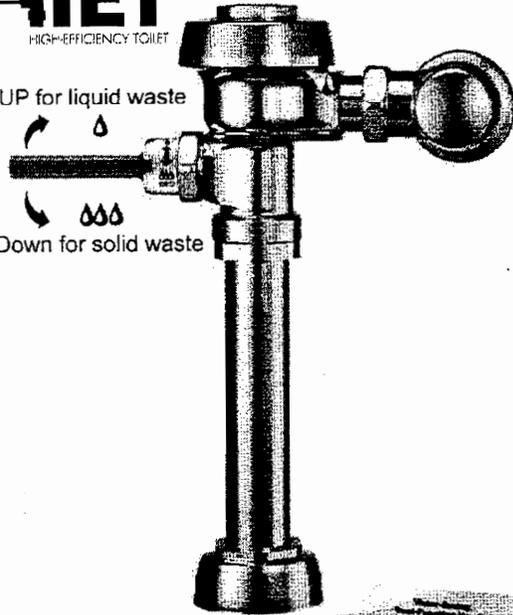
SLOAN VALVE COMPANY • 10500 SEYMOUR AVE. • FRANKLIN PARK, IL. 60131
Ph: 1-800-982-5839 or 1-847-671-4300 • Fax: 1-800-447-8329 or 1-847-671-4380
www.sloanvalve.com

UPPERCUT™

The Fastest Way to Start Saving Water!

HET
HIGH-EFFICIENCY TOILET

UP for liquid waste
Down for solid waste



WES-111 Dual Flush Flushometer S.S. — Rev. 1 (07/10)
Copyright © 2010 SLOAN VALVE COMPANY

Dual Flush Flushometer

WES-111

► **Description**

Exposed Water Closet Flushometer with Dual Flush Feature, for floor mounted or wall hung top spud bowls.

► **Flush Cycle**

WES-111 High Efficiency (Down 1.6 gpf/6.0 Lpf, Up 1.1 gpf/4.2 Lpf)

► **Specifications**

Dual Flush, Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer with the following features:

- Lifting Handle UP initiates *reduced* flush (1.1 gpf/4.2 Lpf), eliminating liquid and paper waste, saving a ½-gallon of water
- Pushing Handle DOWN initiates *full* flush (1.6 gpf/6.0 Lpf), eliminating all waste
- Reduces water volume by up to 30% when activated UPWARDS
- Antimicrobial Coating on Handle protects against germs
- PERMEX™ Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- Distinctive Green ADA Compliant Metal Non-Hold-Open Handle with Triple Seal Handle Packing signifies Water Conserving Device
- 1" I.P.S. Screwdriver Bak-Chek™ Angle Stop
- Free Spinning Vandal Resistant Stop Cap
- Adjustable Tailpiece
- High Back Pressure Vacuum Breaker Flush Connection with One-piece Bottom Hex Coupling Nut
- Spud Coupling and Flange for 1½" Top Spud
- Sweat Solder Adapter with Cover Tube and Cast Set Screw Wall Flange
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Non-Hold-Open Handle, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flush Accuracy Controlled by CID™ Technology
- Diaphragm, Handle Packing, Stop Seat and Vacuum Breaker molded from PERMEX™ Rubber Compound for Chloramine Resistance
- Includes two (2) adhesive backed Metal Wall Plates etched with Instructions

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037.

► **Variations**

- TP Trap Primer
- YG Extended Bumper on Angle Stop (for seat with cover)
- YO Bumper on Angle Stop (for open front seat without cover)

► **Accessories**

See Accessories Section of the Sloan catalog for details on these and other Flushometer variations.

► **Fixtures**

Consult Sloan for Sloan brand matching fixture options.



Patent Pending



This space for Architect/Engineer approval

The information contained in this document is subject to change without notice.

SLOAN®

SLOAN VALVE COMPANY • 10500 SEYMOUR AVE. • FRANKLIN PARK, IL. 60131
Ph: 1-800-9-VALVE-9 or 1-847-671-4300 • Fax: 1-800-447-8329 or 1-847-671-4380
www.sloanvalve.com



Z5665-BWL

HET Elongated Floor Mounted, ADA Height
EcoVantage Flush Valve Toilet System TAG 3



Z5665 Series Elongated

Recommended Trim:

Z5955SS-EL Elongated, standard white, open front toilet seat less cover with stainless steel check hinge.

Z5972-COMB Closet bolt/wax ring kit

Note: To ensure system performance:
Minimum Running Water Pressure = 25 psi.

These dimensions and specifications are subject to change without notice.

Fixture dimensions meet ANSI/ASME standard A112.19.2 and CAN/CSA B45 requirements.

Meets the American Disabilities Guidelines and ANSI A117.1 requirements when installed according to these requirements.



EcoVantage® is a registered trademark of Zurn Industries

See Zurn One Systems for suggested packages.

ZURN INDUSTRIES, LLC. • COMMERCIAL BRASS OPERATION • 5900 ELWIN BUCHANAN DRIVE • SANFORD NC 27330
Phone: 1-900-997-3876 • Fax: 919-775-3541 • World Wide Web: www.zurn.com

In Canada: ZURN INDUSTRIES LIMITED • 3544 Nashua Drive • Mississauga, Ontario L4V1L2 • Phone: 905-405-8272 Fax: 905-405-1292

Z5665 HET Series

- Zurn HET Toilet System designed for optimal performance between Zurn fixture and Zurn flush valve at 1.28 gpf (4.8 Lpf), 1.6 gpf (6.0 Lpf) or Dual Flush volumes to save water.
- 1.28 gpf (4.8 lpf) or 1.6 gpf (6.0 lpf) or Dual Flush
- 1.28 gpf offers 20% water savings over 1.6 gpf system
- Vitreous china
- ADA height
- Elongated front rim
- 2 1/8" fully glazed trapway
- High efficiency siphon jet flush action
- Shipping Weight: 57 lbs.

Engineering Specification

Z5665-BWL

EcoVantage High Efficiency Toilet System

- Vitreous China, 1.28 gpf [4.8 lpf] or greater high efficiency, ADA, floor mounted bottom outlet toilet with siphon jet flushing action and elongated front rim with 1-1/2" top spud. This bowl is designed to perform to industry standards with as little as 1.28 gallons per flush, engineered to provide optimal performance and 20% water savings over conventional 1.6 gpf toilets.

***Replaces Zurn Z5660**

Z5666-BWL

EcoVantage High Efficiency Toilet System

- Vitreous China, 1.28 gpf [4.8 lpf] or greater high efficiency, ADA, floor mounted bottom outlet toilet with siphon jet flushing action and elongated front rim with integral bedpan lugs, and 1-1/2" top spud. This bowl is designed to perform to industry standards with as little as 1.28 gallons per flush, engineered to provide optimal performance and 20% water savings over conventional 1.6 gpf toilets.

***Replaces Zurn Z5661**

This space is for Architectural/Engineering Approval



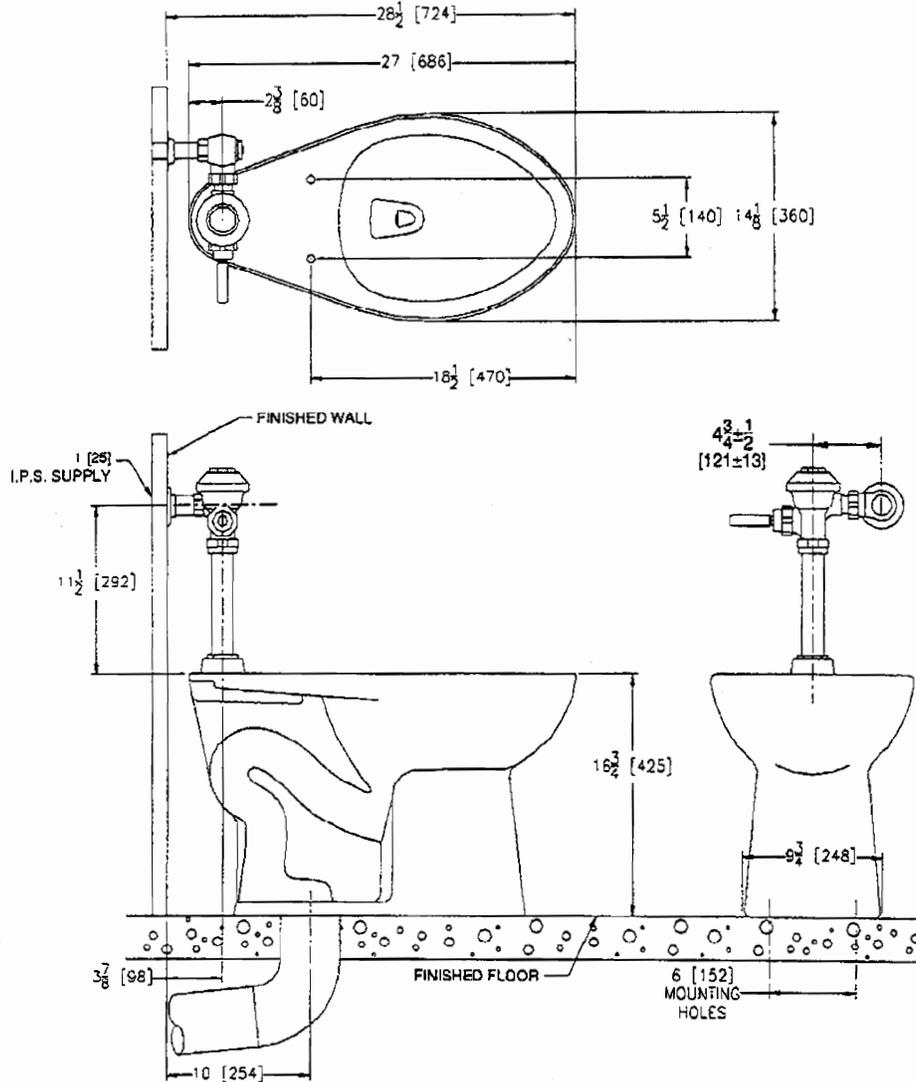
Z5665-BWL

HET Elongated Floor Mounted, ADA
Height EcoVantage Flush Valve Toilet
System Rough-in

TAG _____

Rough-in dimensions for Z5665 Series

• Z5665 with top spud, shown with Z6000AV-HET valve



These dimensions and specifications are subject to change without notice.

Fixture dimensions meet ANSI/ASME standard A112.19.2 and CAN/CSA B45 requirements.

Meets the American Disabilities Guidelines and ANSI A117.1 requirements when installed according to these requirements.



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EcoVantage and AV are trademarks of Zurn Industries, LLC.

REV. A
DWG. NO. 84358

DATE: 4/22/10
PRODUCT NO. Z5665-BWL



Z5655-BWL

HET Elongated Floor Mounted EcoVantage® Flush Valve Toilet System

TAG 2

Z5655 Series Elongated

Recommended Trim:

- Z5955SS-EL** Elongated, standard white, open front toilet seat less cover with stainless steel check hinge.
- Z5972-COMB** Closet bolt/wax ring kit

Note: To ensure system performance:
Minimum Running Water Pressure = 25 psi.

These dimensions and specifications are subject to change without notice.

Fixture dimensions meet ANSI/ASME standard A112.19.2 and CAN/CSA B45 requirements.

EcoVantage® is a registered trademark of Zurn Industries

Z5655 HET Series

- Zurn HET Toilet System designed for optimal performance between Zurn fixture and Zurn flush valve at 1.28 gpf (4.8 Lpf), 1.6 gpf (6.0 Lpf) or Dual Flush volumes to save water.
- 1.28 gpf (4.8 lpf) or 1.6 gpf (6.0 lpf) or Dual Flush
- 1.28 gpf offers 20% water savings over 1.6 gpf system
- Vitreous china
- Elongated front rim
- 2-1/8" fully glazed trapway
- High efficiency siphon jet flush action
- Shipping Weight: 55 lbs.

Engineering Specification

Z5655-BWL

EcoVantage High Efficiency Toilet System

- Vitreous China, 1.28 gpf [4.8 lpf] or greater high efficiency, floor mounted, bottom outlet toilet with siphon jet flushing action and elongated front rim with 1-1/2" top spud. This bowl is designed to perform to industry standards with as little as 1.28 gallons per flush, engineered to provide optimal performance and 20% water savings over conventional 1.6 gpf toilets.

***Replaces Zurn Z5650**

Z5656-BWL

EcoVantage High Efficiency Toilet System

- Vitreous China, 1.28 gpf [4.8 lpf] or greater high efficiency, floor mounted, bottom outlet toilet with siphon jet flushing action and elongated front rim with integral bedpan lugs, and 1-1/2" top spud. This bowl is designed to perform to industry standards with as little as 1.28 gallons per flush, engineered to provide optimal performance and 20% water savings over conventional 1.6 gpf toilets.

***Replaces Zurn Z5651**

This space is for Architectural/Engineering Approval

See Zurn One Systems for suggested packages.

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REV. A
DWG. NO. 84357

DATE: 4/22/10
PRODUCT NO. Z5655-BWL



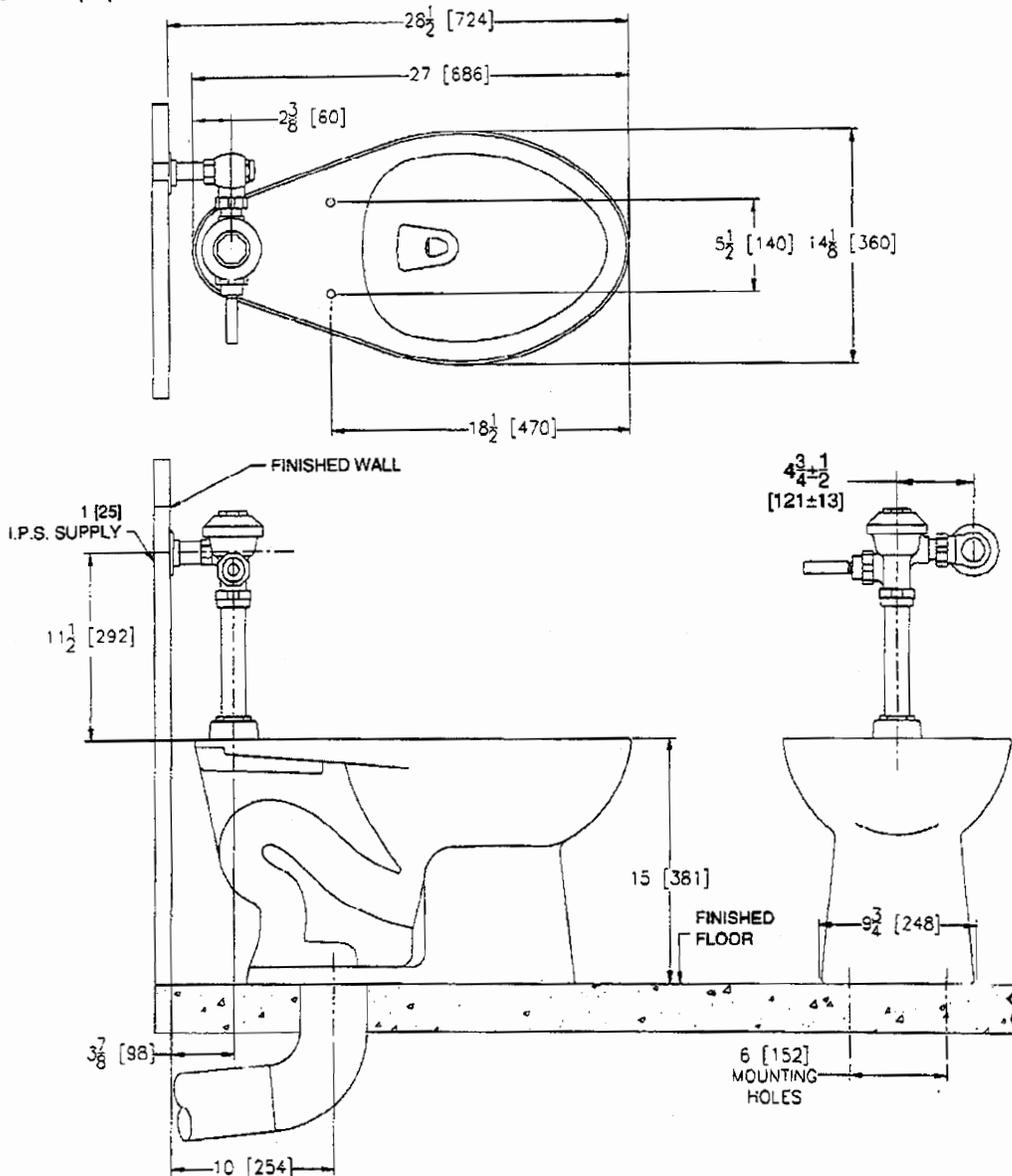
Z5655-BWL

HET Elongated Floor Mounted EcoVantage® Flush Valve Toilet System TAG

Rough-in

Rough-in dimensions for Z5655 Series

• Z5655 with top spud, shown with Z6000AV-HET manual valve



These dimensions and specifications are subject to change without notice.

Fixture dimensions meet ANSI/ASME standard A112.19.2 and CAN/CSA B45 requirements.

EcoVantage® is a registered trademark of Zurn Industries

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REV. A
DWG. NO. 84357

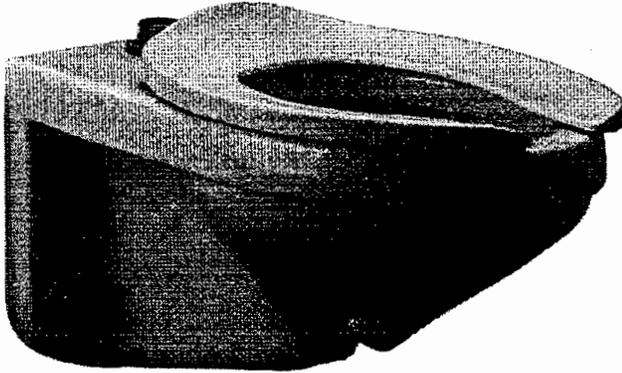
DATE: 4/22/10
PRODUCT NO. Z5655-BWL



Z5615-BWL

HET Elongated Wall Hung EcoVantage® Flush Valve Toilet System

TAG _____



Z5615 Series Elongated

Suffix Options:

- RF Retro-Fit Nut Kit for extending carrier studs from existing wall.

Recommended Trim:

- Z5955SS-EL** Elongated, standard white, open front toilet seat less cover with stainless steel check hinge.

Note: To ensure system performance:
Minimum Running Water Pressure = 25 psi.

These dimensions and specifications are subject to change without notice.

Fixture dimensions meet ANSI/ASME standard A112.19.2 and CAN/CSA B45 requirements.

Meets the American Disabilities Guidelines and ANSI A117.1 requirements when installed according to these requirements.



EcoVantage® is a registered trademark of Zurn Industries

Z5615 HET Series

- Zurn HET Toilet System designed for optimal performance between Zurn fixture and Zurn flush valve at 1.28 gpf (4.8 Lpf), 1.6 gpf (6.0 Lpf) or Dual Flush volumes to save water.
- 1.28 gpf (4.8 lpf) or 1.6 gpf (6.0 lpf) or Dual Flush
- 1.28 gpf offers 20% water savings over 1.6 gpf system
- Vitreous china
- Elongated front rim
- 2-1/8" fully glazed trapway
- High efficiency siphon jet flush action
- Shipping Weight: 40 lbs.

Engineering Specification

Z5615-BWL

EcoVantage High Efficiency Toilet System

- Vitreous China, 1.28 gpf [4.8 lpf] or greater high efficiency, wall hung toilet with siphon jet flushing action and elongated front rim with 1-1/2" top spud. This bowl is designed to perform to industry standards with as little as 1.28 gallons per flush, engineered to provide optimal performance and 20% water savings over conventional 1.6 gpf toilets.

***Replaces Zurn Z5610**

Z5616-BWL

EcoVantage High Efficiency Toilet System

- Vitreous China, 1.28 gpf [4.8 lpf] or greater high efficiency, wall hung toilet with siphon jet flushing action and elongated front rim with integral bedpan lugs, and 1-1/2" top spud. This bowl is designed to perform to industry standards with as little as 1.28 gallons per flush, engineered to provide optimal performance and 20% water savings over conventional 1.6 gpf toilets.

***Replaces Zurn Z5611**

This space is for Architectural/Engineering Approval

See Zurn One Systems for suggested packages.

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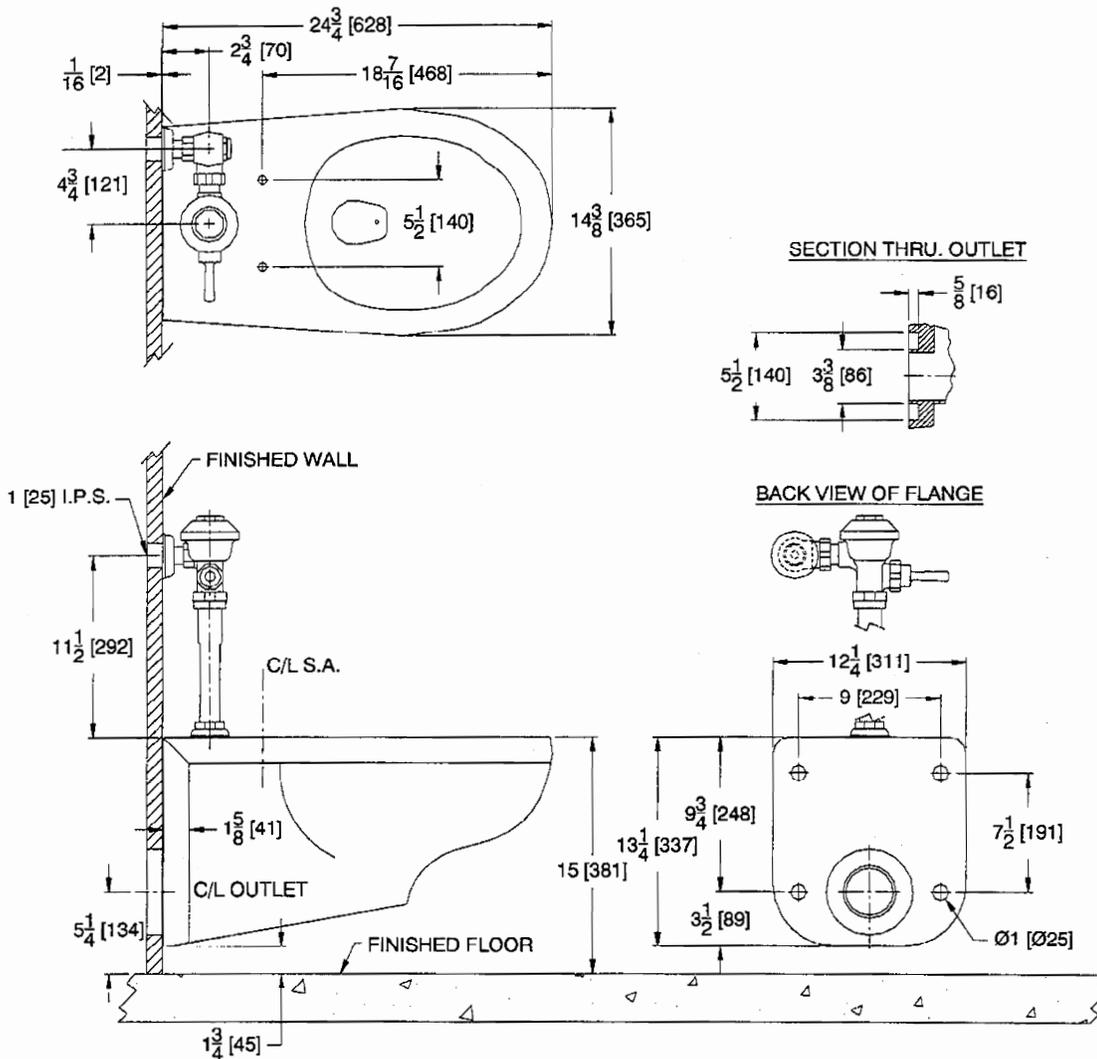


Z5615-BWL

HET Elongated Wall Hung EcoVantage® Flush Valve Toilet System TAG _____ Rough-in

Rough-in dimensions for Z5615 Series

• Z5615-BWL with top spud, shown with Z6000AV manual valve



These dimensions and specifications are subject to change without notice.

Fixture dimensions meet ANSI/ASME standard A112.19.2 and CAN/CSA B45 requirements.

Meets the American Disabilities Guidelines and ANSI A117.1 requirements when installed according to these requirements.



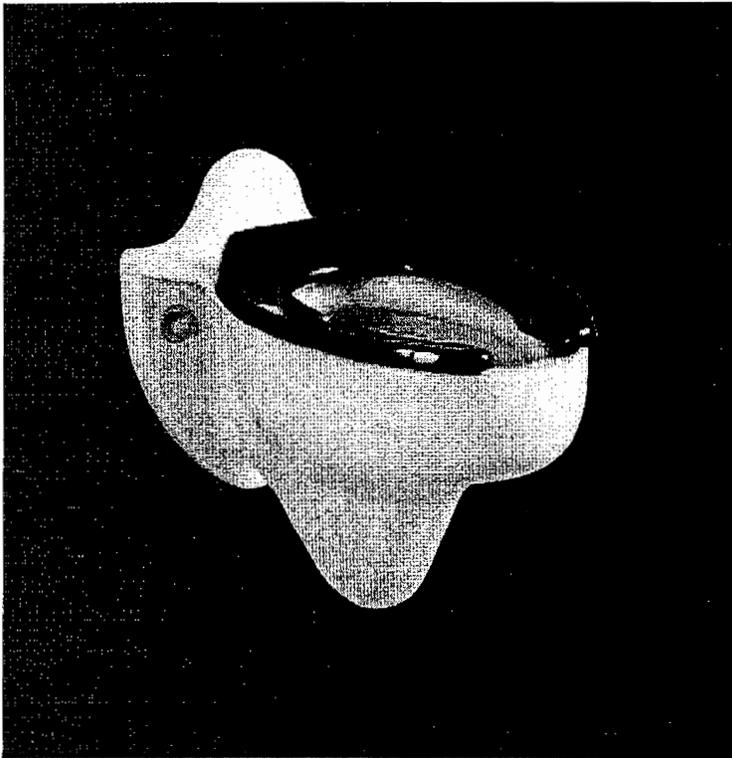
Note: For ADA compliance, rim height should be installed 17" from finished floor.

EcoVantage® is a registered trademark of Zurn Industries

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RAPIDWAY™

3462 
3464



**Low Consumption Wall Hung
 Blow-Out Bowl**
 Vitreous China

FEATURES

• **3462 Rapidway™**

Bowl: 3462 Rapidway™ (1.6 gpf / 6.0 lpf) blowout action, elongated rim, 1 1/2" back spud, wall hung with integral seat.

Valve:* Flushvalve with vacuum breaker, 1" screwdriver angle stop and flush connection. Suggested (1.6 gpf / 6.0 lpf) flushvalves are:

- Sloan "Royal" #143-1.5
- Delany "Flushboy" #F534-1.6
- Zurn "Aquaflush" #Z-6143-WS-1

Bowl: 3462 Rapidway™ (3.5 GPF/13.2 LPF) blowout action, elongated rim, 1 1/2" back spud, wall hung with integral seat.

Valve:* Flushvalve with vacuum breaker, 1" screwdriver angle stop and flush connection. Suggested (3.5 GPF/13.2 LPF) flushvalves are:

- Sloan "Royal" #152
- Delany "Flushboy" #534-AVB
- Zurn "Aquaflush" #Z-6152

• **3464 Rapidway™**

Bowl: 3464 Rapidway™ (1.6 gpf / 6.0 lpf) blowout action, elongated rim, 1 1/2" back spud, wall hung with seat post holes.

Valve: See 3462 (1.6 gpf / 6.0 lpf) valve specifications.

Bowl: 3464 Rapidway™ (3.5 gpf / 13.2 lpf) blowout action, elongated rim, 1 1/2" back spud, wall hung with seat post holes.

Valve: See 3462 (3.5 gpf / 13.2 lpf) valve specifications

Supply:

Seat:

Color:

Support:

NOTES

- Fixture conforms to ANSI/ASME A112.19.2M standard.
- **For efficient operation of the bowl, a minimum flowing water pressure of 25 P.S.I. is required at the valve.
- Fixture complies to ADA requirements when mounted at rim height of 17".
- Fully glazed trapway.

WATER ECONOMY FACTS

Average Gallons Per Flush	**25 PSI	50 PSI	80 PSI
3462 Elongated Rim (1.6 GPF)	1.58	1.59	1.58
3462 Elongated Rim (3.5 GPF)	3.50	3.50	3.50
Trapway.....	2 1/2"		
Water Surface.....	12 X 10"		
Water Seal.....	2 1/2"		

* Not furnished by CR/PL, L.L.C. Description for specification purposes only.

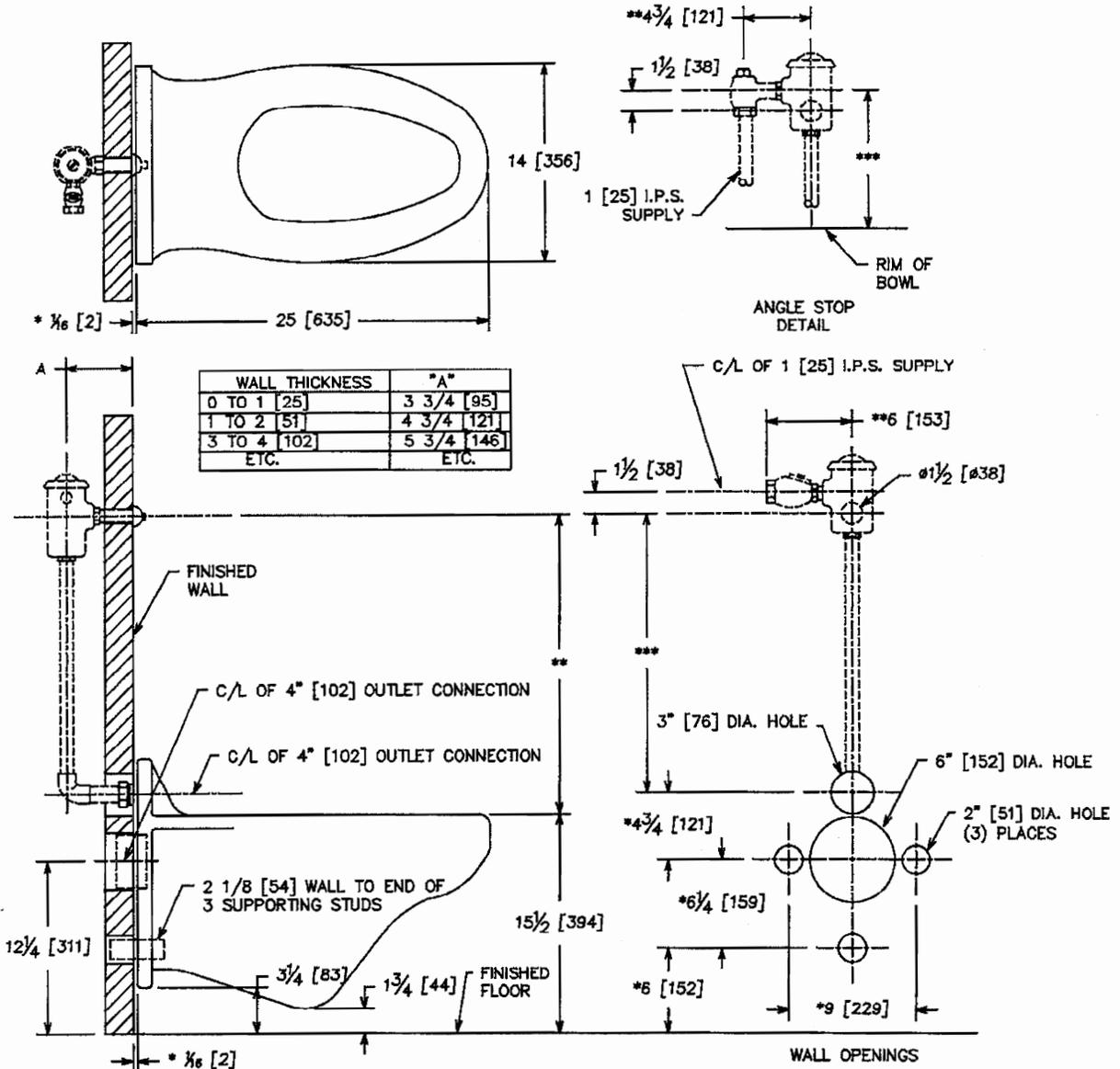


RAPIDWAY™

Low Consumption Wall Hung Blow-Out Bowl

3462 3464

****ADA COMPLIANCE



NOTE: ROUGH-IN DIMENSIONS FOR CLOSET SUPPORTING UNIT TO BE OBTAINED DIRECT FROM MANUFACTURER. CHECK WITH MANUFACTURER FOR PROPER OUTLET COUPLING EXTENSION BEYOND FINISHED WALL.

ALTERNATE CHOICE: 3464E SAME AS ABOVE EXCEPT WITH HOLES FOR SEAT INSTEAD OF INTEGRAL SEAT.

* THESE DIMENSIONS MUST BE MAINTAINED FOR PROPER INSTALLATION.

** ROUGH-IN ANGLE STOP WHEN REQUIRED.

*** VARIABLE-CHECK WITH MANUFACTURER OF FLUSHVALVE FOR PROPER ROUGHING-IN DIMENSION.

**** FIXTURE COMPLIES WITH AMERICANS WITH DISABILITIES ACT WHEN MOUNTED AT RIM HEIGHT OF 17".

FOR OUTLET CONNECTION USE NEOPRENE OR RUBBER GASKETS. NOT FOR USE WITH A WAX RING.



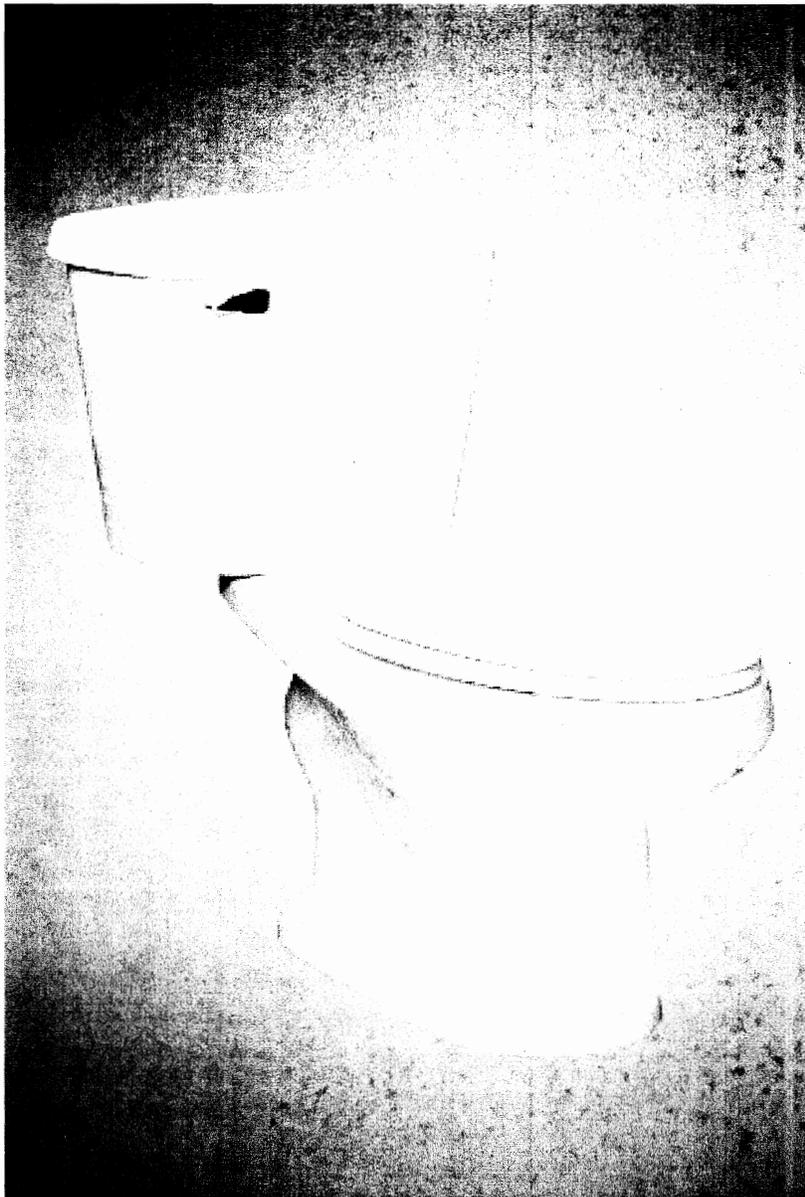
**CRANE
PLUMBING**

Universal-Rundle

IMPORTANT: Roughing-in dimensions may vary 1/2" and are subject to change or cancellation without prior notice.

No responsibility is assumed for use of superseded or voided leaflets.

CR/PL© 04/03 Printed in U.S.A.



HYBRID
832HY
 ELONGATED

- Our customers tell us it's "the best flushing toilet in America."
- New 3" to 2" flush technology.
- Sani-Glazed™ trapway gives years of sanitary, trouble free use.
- Elongated bowl for comfort.
- Front mounted polish chrome trip lever.
- New ergonomic rounded tank design.
- Full size water surface and seal for a clean and sanitary bowl.
- IAPMO® listed and NSF® approved.
- Seat not included.

With Western the water savings are significant and maintenance is minimal. Increase your advantage! For more information please call:

WP Industries, Inc.
 Toll Free: 877-WPWORKS
 email: info@wpindustries.com / website: www.wpindustries.com

US Sales and Service
 Phone 562.229.0910
 Fax 562.229.0930

14405 Best Avenue, Norwalk, California 90650


 A Division of WP Industries Inc.

WP Industries, Inc. is a member of the water save logic group of companies. Trading symbol: v-wts

HYBRID

832HY

ELONGATED

PHYSICAL PROPERTIES

Model: 832HY

Water Surface: 8 $\frac{1}{4}$ " x 10 $\frac{7}{16}$ " (209mm x 265mm)Water Seal: 2 $\frac{1}{16}$ " (68mm)

Trapway Ball Pass: 2" (51mm)

Trapway Diameter: 2" 51mm)

Water Consumption per Flush:
1.6gpf/6 litresShipping Weight: 49.6 lbs (22.5kg) bowl
42.9 lbs (19.5kg) tankShipping Cube: 4.39 ft³ (0.12m³) bowl
1.47 ft³ (0.04m³) tank

Minimum Rough-in: 11" (280mm)

Fill Valve: A1241020100

Flush Valve: A21022

Tank Lever: A5103

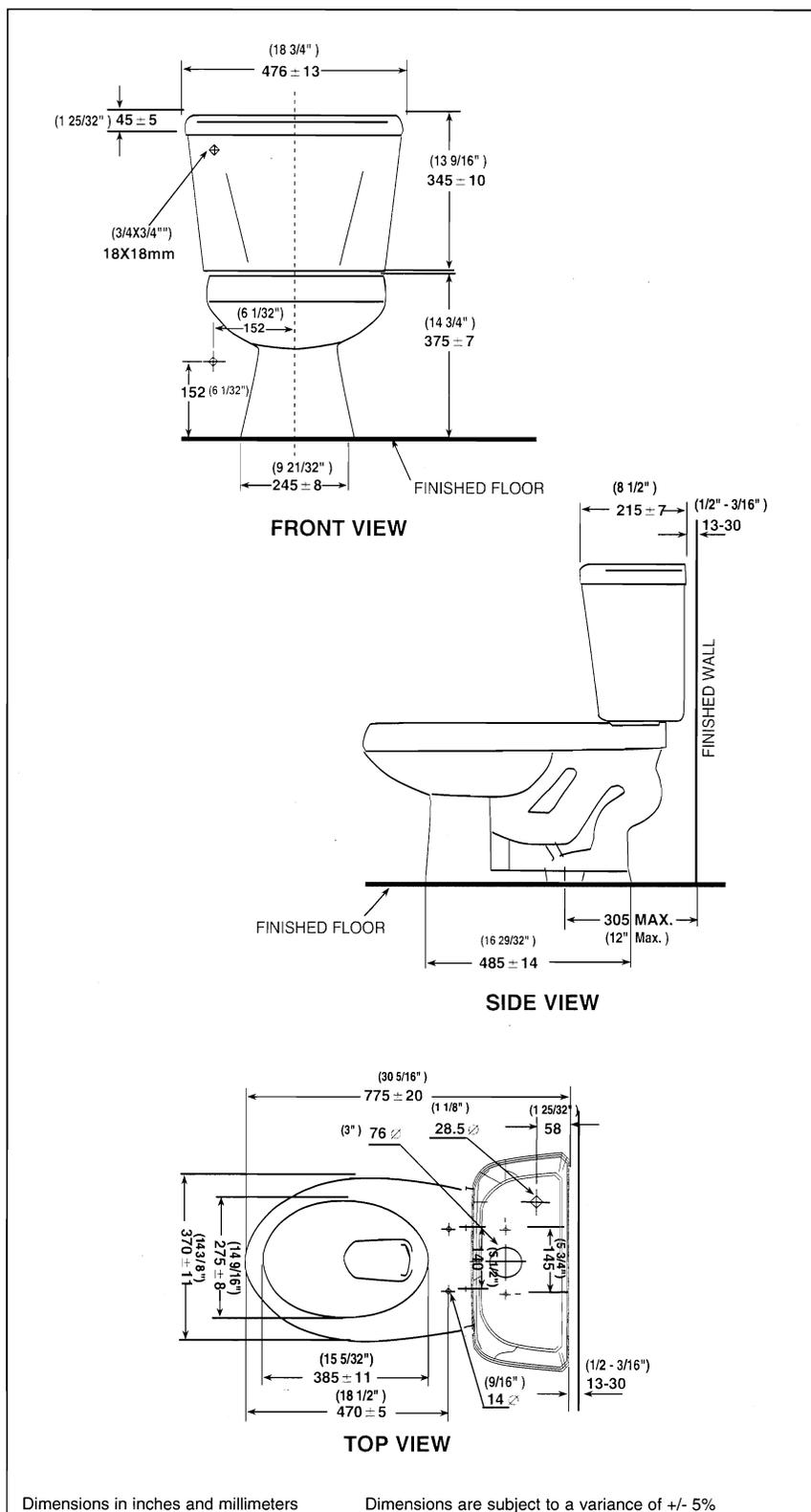
Flapper No: RA21020100000

TECHNICAL NOTES

- Our customers tell us it's "the best flushing toilet in America."
- 2" Sani-Glazed™ Trapway design for years of sanitary trouble free use.
- Quik-Install™ tank to bowl fittings speeds installation and reduces potential leaks.
- Available in Western White, Cashmere, and Ivory Bone.
- New 3" flush valve high performance tank.
- Full size water surface and seal for a clean and sanitary bowl.
- IAPMO® listed and  approved.

Tank - T8ULF- HY - W, B or C

Bowl - B830 - W, B or C



WP Industries, Inc.

Toll Free: 877-WPWORKS

email: info@wpindustries.com / website: www.wpindustries.com

US Sales and Service

Phone 562.229.0910

Fax 562.229.0930

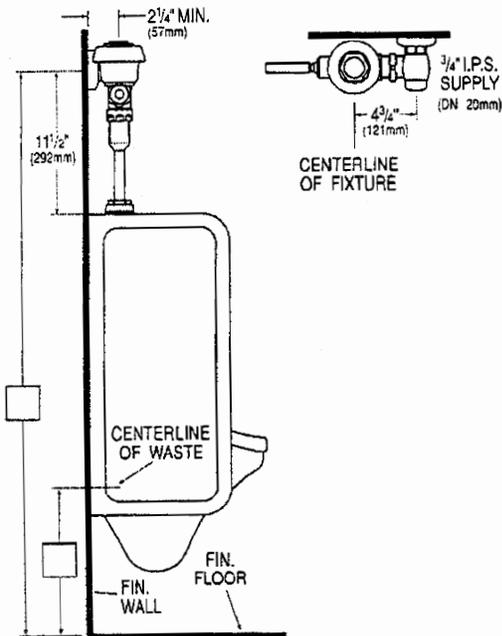
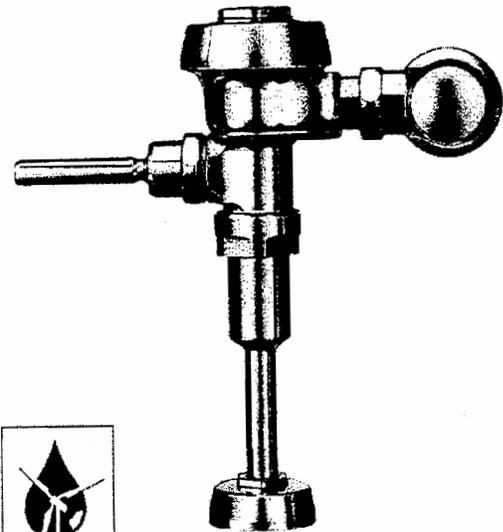


Western

A Division of WP Industries Inc.

WP Industries, Inc. is a member of the water save logic group of companies. Trading symbol: v-wts

HEU Made In The
HIGH-EFFICIENCY URINAL USA



Royal 186 S.S. — Rev. 0a (03/10)
Copyright © 2010 SLOAN VALVE COMPANY

**Royal® Model
Flushometer**

186

► **Description**

Exposed Urinal Flushometer, for 3/4" top spud urinals.

► **Flush Cycle**

- Model 186-0.13 (0.13 gpf/0.5 Lpf)
- Model 186-0.25 (0.25 gpf/0.9 Lpf)
- Model 186-0.5 (0.5 gpf/1.9 Lpf)

► **Specifications**

Quiet, Exposed, Diaphragm Type, Chrome Plated Urinal Flushometer with the following features:

- PERMEX™ Synthetic Rubber Diaphragm with Dual Filtered Fixed Bypass
- ADA Compliant Metal Oscillating Non-Hold-Open Handle with Triple Seal Handle Packing
- 3/4" I.P.S. Screwdriver Bak-Chek® Angle Stop
- Free Spinning Vandal Resistant Stop Cap
- Adjustable Tailpiece
- High Back Pressure Vacuum Breaker Flush Connection with One-piece Bottom Hex Coupling Nut
- Spud Coupling and Flange for 3/4" Top Spud
- Sweat Solder Adapter w/Cover Tube & Cast Wall Flange w/Set Screw
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Non-Hold-Open Handle, Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flush Accuracy Controlled by CID™ Technology
- Diaphragm, Handle Packing, Stop Seat and Vacuum Breaker molded from PERMEX™ Rubber Compound for Chloramine Resistance
- 100% of the energy used in manufacturing is offset with Renewable Energy Sources — Wind Energy

Valve Body, Cover, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance to the applicable sections of ASSE 1037.

► **Variations**

- HL-3 3" Metal Oscillating Push Button on front of valve (does not meet ADA requirements)
- SG SaniGuard® Antimicrobial Handle and Socket

► **Accessories**

See Accessories Section of the Sloan catalog for details on these and other Flushometer variations.

► **Fixtures**

Consult Sloan for Sloan brand matching fixture options.



This space for Architect/Engineer approval

Job Name _____ Date _____

Model Specified _____ Quantity _____

Variations Specified _____

Customer/Wholesaler _____

Contractor _____

Architect _____

The information contained in this document is subject to change without notice.

SLOAN

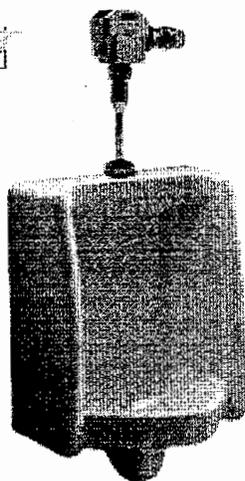
SLOAN VALVE COMPANY • 10500 SEYMOUR AVE. • FRANKLIN PARK, IL. 60131
Ph: 1-800-982-5839 or 1-847-671-4300 • Fax: 1-800-447-8329 or 1-847-671-4380
www.sloanvalve.com

EcoVantage™ Z5798 Ultra Low Consumption Urinal



The Pint™

Zurn continues to demonstrate leadership in plumbing system innovation. The Z5798 ultra low consumption (1/8 gpf) urinal system is the latest product to follow in that pioneering spirit. It leads the way with ultra low water consumption, latest in sensor technology, and high quality vitreous china.



Patent Pending

Model Description

- Z5798 The Pint™ Top Spud, 0.125 gpf Ultra Low Consumption Stall Urinal
- Z5799 The Pint™ Back Spud, 0.125 gpf Ultra Low Consumption Stall Urinal
- Z5738 The Small Pint™ Top Spud, 0.125 gpf Ultra Low Consumption Small Footprint Urinal
- Z5758 The Retro-Pint™ Top Spud, 0.125 gpf Ultra Low Consumption Enlarged Retrofit Footprint Stall Urinal
- Z5759 The Retro-Pint™ Back Spud, 0.125 gpf Ultra Low Consumption Enlarged Retrofit Footprint Stall Urinal

"The Pint" The ultra low consumption series urinals consume one pint of water providing 85% savings with each flush.



Typical 1.0 gpf Urinal

Features and Benefits

1/8 Gallon of Water Per Flush Every Time
Internal flow regulator guarantees consistent water savings with each flush

Sanitary Washdown and Trap Water Exchange
Optimized distribution plate and water trap pass all ASME A112.19.2-2003 urinal performance tests

High Efficiency Alternative to Waterless Urinal

- Lower building maintenance costs
- No replacement traps to buy or maintain
- Satisfies end user who prefers washdown action, providing more sanitary feel
- Saves over 30,000 gallons of water per year over standard urinal

Sensor Flush with Smart Technology

Sanitary hands-free operation with the latest in sensor technology

Battery Operated

Optimized electronics for 200,000 cycle battery life

All Metal Chrome-Plated Housing

Heavy-duty commercial grade construction to resist vandalism

Chloramine Resistant Internal Seals

Long lasting, dependable performance in harsh water conditions

Easy to Retrofit

- In many cases, urinal can be retrofitted to existing carrier and outlet rough-ins
- Large wall footprint to cover existing installations
- Flush valve mounts to standard urinal stop valves

Z5798 Comparative Cost of Operation

	Male Occupants in Facility	Frequency of Use (Daily)	Gallons Per Cycle (Day)	Total Gallons Per Year	Water/Sewage Yearly Cost
Z5798	50	2	12.5	3,250	\$ 22.75
1.0 gpf	50	2	100	26,000	182.00
1.5 gpf	50	2	150	39,000	273.00
3.0 gpf	50	2	300	78,000	546.00

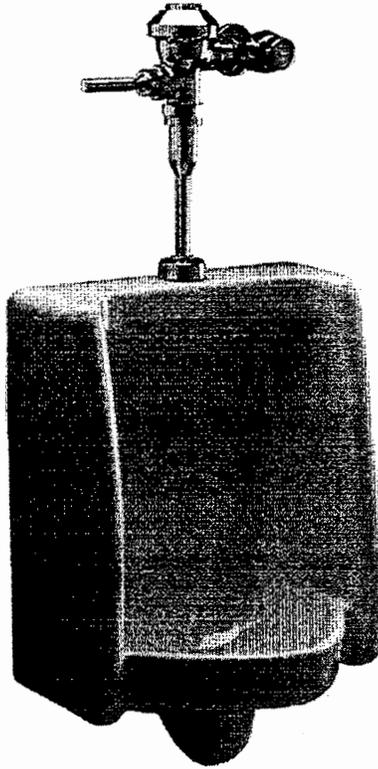
The Z5798 total yearly cost of operation is \$22.75. The ROI calculation based upon water/sewage alone is quite simple. In addition to the water/sewage savings, many municipalities offer rebates between \$200-\$300 for installing high efficiency urinals. Please feel free to contact our Customer Service Department to discuss your municipality and application.



Z5798.207.00

"The Pint®" 1/8 gpf, EcoVantage®, Ultra Low Consumption, Urinal System

TAG



Z5798.207.00 Series

Z5798.207.00 Series

- Zum One ultra low consumption urinal system designed for optimal performance between Zurn fixture and Zurn flush valve to save water while exceeding industry performance standards
- 1/8 gallons per flush [0.5 Liters per flush]
- Vitreous china
- High efficiency washout flushing action
- Over 88% water savings over standard 1.0 gpf [4.0 Lpf] system
- Manual ADA, non-hold open handle actuation
- Oversized footprint to make retrofit easy
- 3/4" top spud
- 2" I.P.S. outlet flange and rubber gasket with integral trap
- 14" extended rim for handicap compliance when installed at proper height
- Vandal resistant outlet strainer included
- Shipping Weight: 65 lbs.

ENGINEERING SPECIFICATION:

Z5798.207.00 EcoVantage® Manual High Efficiency Urinal (HEU) System - System comes complete with exposed Z6003AV-ULF high efficiency flushometer valve with manual handle actuation and vitreous china urinal. The system is designed to perform to industry standards with as little as 1/8th gallon per flush. The valve is an exposed, quiet diaphragm-type, chrome plated flushometer valve with a polished exterior. Complete with Zurn's AquaVantage® TPE, chloramine resistant, dual seal diaphragm with a clog-resistant filtered by-pass. The valve is ADA compliant with a non-hold open and no leak handle feature, high back pressure vacuum breaker, one piece hex coupling nut, adjustable tailpiece, spud coupling and flange for top spud connection. Control stop has internal siphon-guard protection, vandal resistant stop cap, sweat solder kit, and a cast wall flange with set screw. Vitreous china urinal is supplied with 3/4" top spud, 2" outlet connection, vandal resistant outlet strainer and universal retrofit hanger bracket.

These dimensions and specifications are subject to change without notice.

Fixture dimensions meet ANSI/ASME standards A112.19.2 and CAN/CSA B45 requirements.

Meets the American Disabilities Guidelines and ANSI A117.1 requirements when urinal is installed 17" [432 mm] from finished floor.



www.GreenSpec.com

This space is for Architectural/engineering Approval

ZURN INDUSTRIES, LLC. ♦ COMMERCIAL BRASS OPERATION ♦ 5900 ELWIN BUCHANAN DRIVE ♦ SANFORD NC 27330
Phone: 1-800-997-3876 ♦ Fax: 919-775-3541 ♦ World Wide Web: www.zurn.com

In Canada: ZURN INDUSTRIES LIMITED ♦ 3544 Nashua Drive ♦ Mississauga, Ontario L4V1L2 ♦ Phone: 905-405-8272 Fax: 905-405-1292

EcoVantage® and "The Pint®" are registered trademarks of Zurn Industries, LLC.

REV.

DWG. NO. 84150

DATE: 3/20/09

C.N. NO. 99830

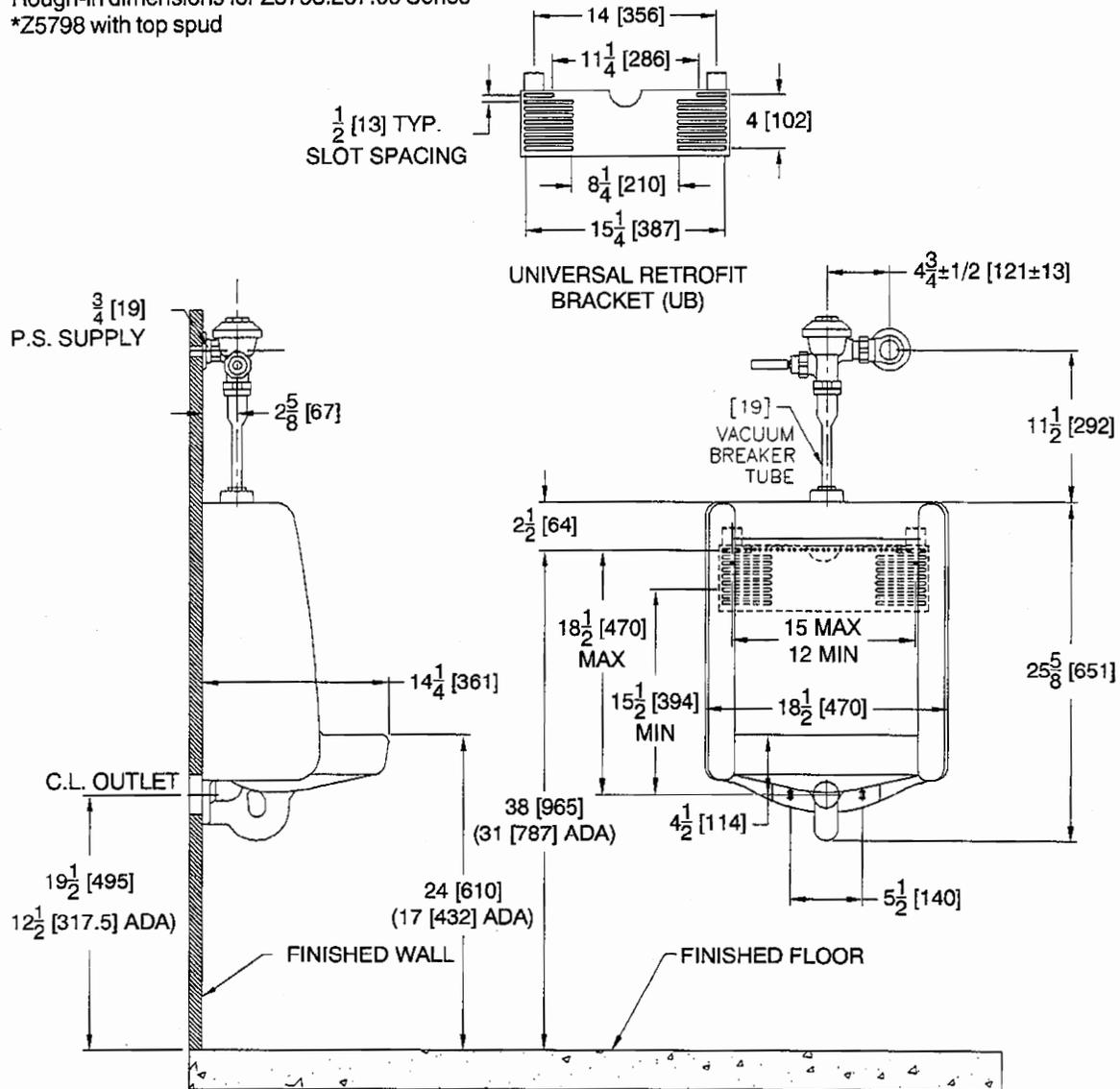
PRODUCT NO. Z5798.207.00



Z5798.207.00
"The Pint"® 1/8 gpf, EcoVantage®, Ultra Low Consumption, Urinal System
Rough-In

TAG _____

Rough-in dimensions for Z5798.207.00 Series
 *Z5798 with top spud



These dimensions and specifications are subject to change without notice.

Fixture dimensions meet ANSI/ASME standard A112.19.2 and CAN/CSA B45 requirements.

Meets the American Disabilities Guidelines and ANSI A117.1 requirements when urinal is installed 17" [432 mm] from finished floor.



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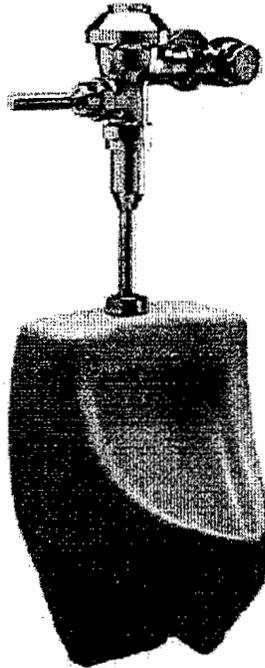
EcoVantage® and "The Pint"® are a registered trademarks of Zurn Industries, LLC.



Z5738.207.00

"The Small Pint"® 1/8 gpf, EcoVantage®, Ultra
Low Consumption, Urinal System

TAG



Z5738.207.00 Series

Z5738.207.00 Series

- Zurn One ultra low consumption urinal system designed for optimal performance between Zurn fixture and Zurn flush valve to save water while exceeding industry performance standards
- 1/8 gallons per flush [0.5 Liters per flush]
- Vitreous china
- High efficiency washout flushing action
- Over 88% water savings over standard 1.0 gpf [4.0 Lpf] system
- Manual ADA, non-hold open handle actuation
- 3/4" top spud
- 2" I.P.S. outlet flange and rubber gasket with integral trap
- 14" extended rim for handicap compliance when installed at proper height
- Vandal resistant outlet strainer included
- Shipping Weight: 39 lbs.

ENGINEERING SPECIFICATION:

Z5738.207.00 EcoVantage® Manual High Efficiency Urinal (HEU) System - System comes complete with exposed Z6003AV-ULF high efficiency flushometer valve with manual handle actuation and vitreous china urinal. The system is designed to perform to industry standards with as little as 1/8th gallon per flush. The valve is an exposed, quiet diaphragm-type, chrome plated flushometer valve with a polished exterior. Complete with Zurn's AquaVantage® TPE, chloramine resistant, dual seal diaphragm with a clog-resistant filtered by-pass. The valve is ADA compliant with a non-hold open and no leak handle feature, high back pressure vacuum breaker, one piece hex coupling nut, adjustable tailpiece, spud coupling and flange for top spud connection. Control stop has internal siphon-guard protection, vandal resistant stop cap, sweat solder kit, and a cast wall flange with set screw. Vitreous china urinal is supplied with 3/4" top spud, 2" outlet connection, vandal resistant outlet strainer and retrofit hanger bracket.

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Fixture dimensions meet ANSI/ASME standards A112.19.2 and CAN/CSA B45 requirements.

Meets the American Disabilities Guidelines and ANSI A117.1 requirements when urinal is installed 17" [432 mm] from finished floor.



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REV.

DWG. NO. 200338

DATE: 2/16/10

PRODUCT NO. Z5738.207.00

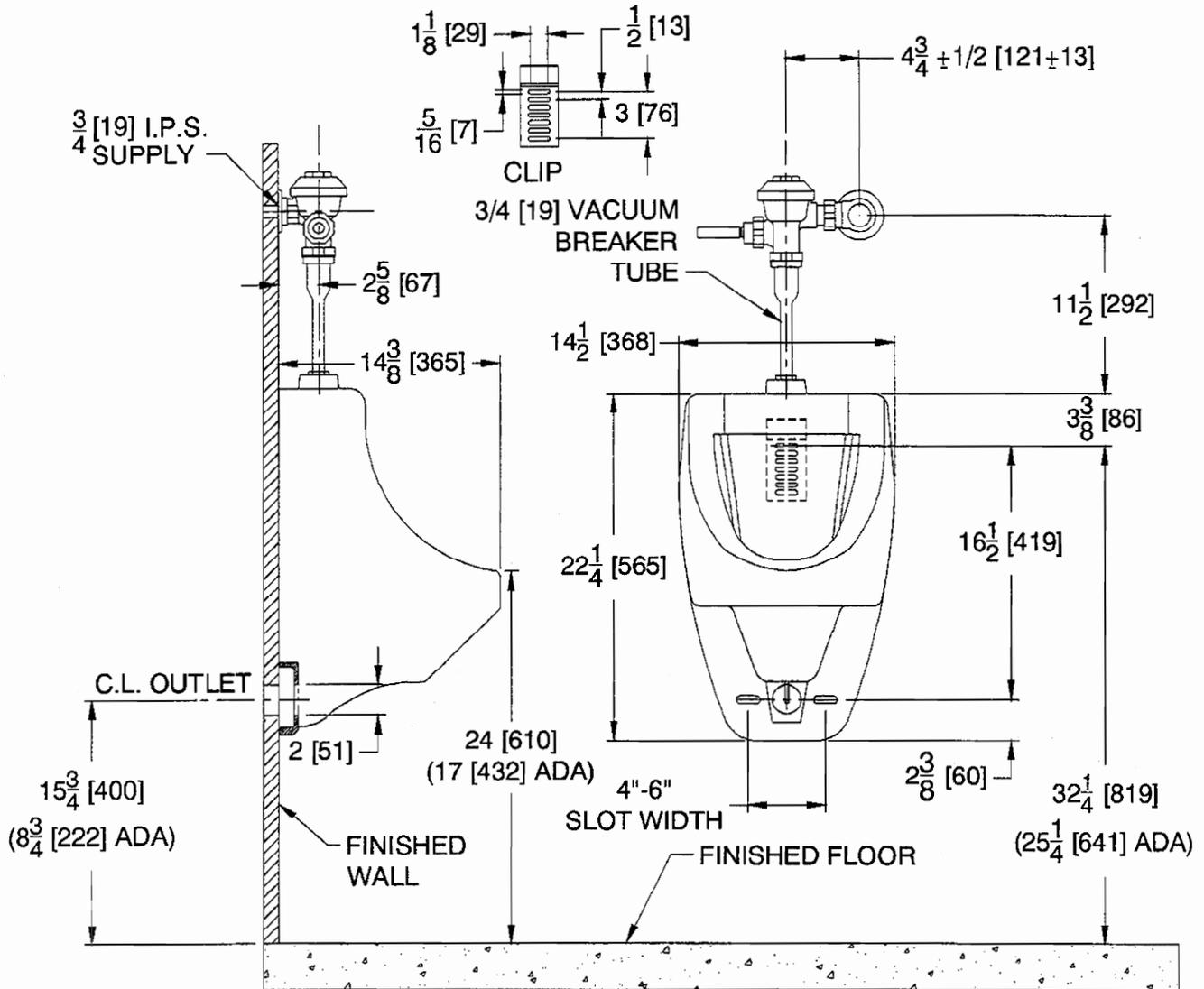


Z5738.207.00
"The Small Pint®" 1/8 gpf, EcoVantage®, Ultra
Low Consumption, Urinal System
Rough-In

TAG _____

Rough-in dimensions for Z5738.207.00 Series

*Z5738 with top spud



These dimensions and specifications are subject to change without notice.

Fixture dimensions meet ANSI/ASME standard A112.19.2 and CAN/CSA B45 requirements.

Meets the American Disabilities Guidelines and ANSI A117.1 requirements when urinal is installed 17" [432 mm] from finished floor.



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PRODUCT NO. Z5738.207.00



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PRODUCTS	UPCOMING EVENTS	TERMS

Providing a full spectrum of Plumbing Repair Parts

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- ABOUT US
- MANUFACTURERS
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 1-800-476-2212
 TOLL FREE FAX:
 1-888-587-0575
 EMAIL CUSTOMER SERVICE

ACORN SHOWER NOZZLE ASSEMBLY - RIGID HEAD
AUG 74 - JAN 93

ACORN SHOWER NOZZLE ASSEMBLY - RIGID HEAD AUGUST 1974 - JANUARY 1993		
ITEM	PART #	DESCRIPTION
1A		Showerhead assembly, male
1B		Showerhead assembly, female
2	33010241	Gasket
3	33010326	Retaining washer
4	33010472	2.5 GPM Flo-Control
5A		Cap receiver, male
5B		Cap receiver, female
6	33010401	O-Ring
7	33010181	#6 -32 x 3/16 set screw
8	33011185	Shower cap
9	33010182	#6 - 32 x 1/8 set screw

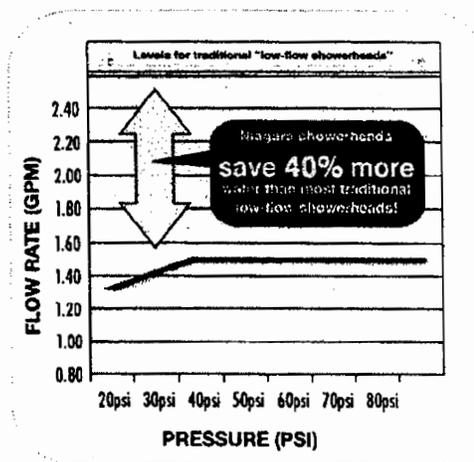
ACORN UNIVERSAL BALL JOINT (-Y)
1974 - JAN 93



Earth™ Massage Showerhead
1.5 GPM / white

These Niagara showerheads are a step beyond "low-flow," ensuring 40% less water use than traditional low-flow showerheads currently on the market.

Item#: N2915



Our unique air-mixing technology guarantees a feeling of great force while using less water!

- Conserves water and saves money while enhancing pressure, performance, appearance and luxury!
- 9-jet turbo massage is adjustable: gentle needle spray to forceful jet
- Consistent flow rate regardless of water pressure
- Saves 40% more energy and water
- Non-removable flow compensator
- Non-aerating spray means less temperature loss with maximum energy savings
- Self-cleaning and maintenance-free
- Installs easily, by hand and without tools
- Corrosion resistant high-impact ABS thermoplastic body
- Meets or exceeds ANSI specifications
- 10-year guarantee

Total Annual Savings* from 1.5 GPM Earth Massage Showerhead™

Savings	Water (gallons)	Electric (kWh)	Gas (therms)	Dollars
Electric Water Heat	7,300	949	n/a	\$143
Gas Water Heat	7,300	n/a	52	\$91

Earth™ Massage Showerhead Specs

N2915	1.5 GPM certified	white
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Building Location And Fixture Count Listing (Attachment B)

Building	Room # or location description:	Commercial Toilets						Gravity Tank & Bowl				Urinals				Showers		
		Floor Mount	Floor Mount	ADA Floor Mount	ADA Floor Mount	Wall Mount	Wall Mount	3 bolt- 3.5 GPF Wall Mount	Existing	Floor Mount	ADA Floor Mount	Wall Mount	Large	Large	Small	Small	Floor Mount	Flow Rate
City Hall	W Lobby	3.5 PF	1.6 GPF	3.5 GPF	1.6 GPF	3.5 GPF	1.6 GPF	3 bolt- 3.5 GPF	1.6 toilet	Toilet	Toilet	1.5 GPF	1.0 GPF	1.5 GPF	1.0 GPF	1.5 GPF	GPM	Quantity
City Hall	M Lobby																	
City Hall	M 2nd Flr.																	
City Hall	W 2nd Flr.																	
City Hall	W East Annex 2nd Flr	2																
City Hall	M east Annex 2nd Flr	1																
City Hall	W East Annex 1st Flr	3																
City Hall	M East Annex 1st	2																
City Hall	M 3rd																	
City Hall	W 3rd																	
City Hall	W 3rd																	
City Hall	M 3rd																	
City Hall	W Basement																	
City Hall	M Basement																	
City Hall	M East Annex Basement	1																
City Hall	W East Annex Basement																	
City Hall	M east Annex 1st Flr	1																
City Hall	W East Annex 1st Flr	2																
City Hall	M East Annex 1st Flr	1																
City Hall	W East Annex 2nd Flr	1																
City Hall	W West Annex 1st Stairs	1																
City Hall	M West Annex 1st Stairs	1																
City Hall	W West Annex Lobby																	
City Hall	M West Annex Lobby																	
City Hall	W West Annex 2nd Flr.																	
City Hall	W West Annex 2nd Flr.																	
City Hall	W West Annex Basement																	
City Hall	M West Annex Basement																	
Cultural Arts Center	Mens																	
Cultural Arts Center	Womens																	
Cultural Arts Center	Dressing Rm.																	
Ken Miller Rec.	Mens	2																
Ken Miller Rec.	Womens	2																
Toyota Meeting	Mens																	
Toyota Meeting	Womens																	
Toyota Meeting	Mens																	

Building Location And Fixture Count Listing (Attachment B)

Building	Room # or location description:	Commercial Toilets						Gravity Tank & Bowl				Urinals				Showers				
		Floor Mount	Floor Mount	ADA Floor Mount	ADA Floor Mount	Wall Mount	Wall Mount	Wall Mount	3 bolt-3.5 GPF	Existing	Floor Mount	ADA Floor Mount	Wall Mount	Large	Large	Small	Small	Floor Mount	Flow Rate	Quantity
Armstrong Theatre	W 1st																			
Armstrong Theatre	M 1st																			
Armstrong Theatre	M Basement																			
Armstrong Theatre	W Basement																			
Armstrong Theatre	Dressing Rm 1																			
Armstrong Theatre	Dressing Rm 2																			
Childrens Art Wing	Womens																			
Childrens Art Wing	Mens																			
Cable Bldg.	M 1st Lobby																			
Cable Bldg.	W 1st Lobby																			
Cable Bldg.	Staff 1st Flr.																			
Cable Bldg.	TCTV Mens 1st																			
Cable Bldg.	TCTV Womens 1st																			
Cable Bldg.	M 2nd Lobby																			
Cable Bldg.	W 2nd Lobby																			
Joslyn Center	Mens																			
Joslyn Center	Womens																			
Police Station	M 1st Lobby																			
Police Station	W 1st Lobby																			
Police Station	W 1st Staff																			
Police Station	M 1st Staff																			
Police Station	W 2nd Flr.																			
Police Station	M 2nd Flr.																			
Police Station	W Locker-Basement																			
Police Station	M Locker-Basement																			
Police Station	Basement-Supr.																			
Police Station	W Jail Staff																			
Police Station	M Jail Staff																			
Police Station	Jail Staff																			
Bensted Bathhouse	Mens																			
Bensted Bathhouse	Womens																			

Building	Room # or location description:	Commercial Toilets						Gravity Tank & Bowl				Urinals				Showers			
		Floor Mount	Floor Mount	ADA Floor Mount	ADA Floor Mount	Wall Mount	Wall Mount	3 bolt- 3.5 GPF	Existing	Floor Mount	ADA Floor Mount	Wall Mount	Large	Large	Small	Small	Floor Mount	Flow Rate	Quantity
		3.5 PF	1.6 GPF	3.5 GPF	1.6 GPF	3.5 GPF	1.6 GPF	3 bolt- 3.5 GPF	1.6 toilet	Toilet		1.5 GPF	1.0 GPF	1.5 GPF	1.0 GPF	1.5 GPF			
Civic Center Library	M 1st Flr.																		
Civic Center Library	W 1st Flr.																		
Civic Center Library	M Staff 1st																		
Civic Center Library	W Staff 1st																		
Civic Center Library	W Staff Basement																		
Civic Center Library	W Public Basement																		
Civic Center Library	M Public Basement																		
Civic Center Library	Staff 2nd Flr.																		
Civic Center Library	Girls 2nd Flr.																		
Civic Center Library	Boys 2nd Flr.																		
Civic Center Library	Staff 2nd rear																		
Torrance Museum	M 1st Flr.	1																	
Torrance Museum	W 1st Flr.	2																	
Torrance Museum	W Staff	1																	
Bartlett Sr. Ctr.	W 1st Flr.	1																	
Bartlett Sr. Ctr.	M 1st Flr.	1																	
Bartlett Sr. Ctr.	W 2nd Flr.	1																	
Bartlett Sr. Ctr.	M 2nd Flr.	1																	
Bartlett Annex																			
Transit Facility	M 1st Flr.	2																	
Transit Facility	M 2nd Flr.	1																	
Transit Facility	W 2nd Flr.	2																	
Transit Facility	W 2nd Staff	2																	
Transit Facility	M 2nd Staff	1																	
Airport	M 1st Staff																		
Airport	W 1st Staff																		
Airport	W Public 1st Flr.																		
Airport	M Public 1st Flr.																		
Airport	Control Tower M																		
Airport	Control Tower W																		
Fire Station 2	Main																		
Fire Station 2	Workout Rm.																		
Fire Station 3	Office																		
Fire Station 3	Captains																		
Fire Station 3	W																		
Fire Station 3	M																		
Fire Station 4	Main																		
Fire Station 4	Captains																		

Building Location And Fixture Count Listing (Attachment B)

Building	Room # or location description:	Commercial Toilets						Gravity Tank & Bowl				Urinals				Showers		
		Floor Mount	Floor Mount	ADA Floor Mount	ADA Floor Mount	Wall Mount	Wall Mount	3 bolt- 3.5 GPF Wall Mount	Existing	Floor Mount	ADA Floor Mount	Wall Mount	Large	Large	Small	Small	Floor Mount	Flow Rate
Fire Station 5	Main	3.5 PF	1.6 GPF	3.5 GPF	1.6 GPF	3.5 GPF	1.6 GPF	3 bolt- 3.5 GPF	1.6 toilet	Toilet						1.5 GPF	3.5 GPM	3
Fire Station 5	Outside						1											1
Fire Station 6	M 1st Flr.					1												
Fire Station 6	W 1st Flr.					1												
Fire Station 6	W 2nd Flr.					1												1
Fire Station 6	M 2nd Flr.					3												2
Fire Station 1	M 1st Flr. Inside	2																
Fire Station 1	W 1st Flr. Inside	1																
Fire Station 1	1st Outside	1																
Fire Station 1	IT Office								1									
Fire Station 1	Main Head M					4							3					2
Fire Station 1	Main Head W							1										1
Fire Station 1	Mezz.	1	1										1					
City Services (Yard)	Center 1st Flr.	1																
City Services (Yard)	Center 1st Flr. 2	1																
City Services (Yard)	M 1st Locker	7												6				
City Services (Yard)	W 1st Locker	2																1
City Services (Yard)	W Water Dept.	1																
City Services (Yard)	M Water Dept.	1																
City Services (Yard)	Multi Garage	1																
City Services (Yard)	M Garage	1																
City Services (Yard)	W Warehouse	1																
City Services (Yard)	M Warehouse	1																
City Services (Yard)	W 2nd Locker	2																
City Services (Yard)	M 2nd Locker	2																
N. Torrance Library	Mens																	
N. Torrance Library	Womens																	
N. Torrance Library	Staff																	
N. Torrance Library	Staff																	
El Retiro Library	Unisex					1												
El Retiro Library	Staff																	
S.E. Library	Staff	1							1									
S.E. Library	Womens	2																
S.E. Library	Mens	1																
Henderson Library	Staff																	
Henderson Library	Staff																	
Henderson Library	Womens																	
Henderson Library	Womens																	
Walteria Library	Closed - renovations																	
Paradise Park	Mens	2																
Paradise Park	Womens	3																
Victor Park	Mens	2																

Building Location And Fixture Count Listing (Attachment B)

Building	Room # or location description:	Commercial Toilets								Gravity Tank & Bowl				Urinals					Showers																	
		Floor Mount	1.6 GPF	ADA Floor Mount	1.6 GPF	ADA Floor Mount	3.5 GPF	ADA Floor Mount	1.6 GPF	Wall Mount	1.6 GPF	Wall Mount	3 bolt- 3.5 GPF	Wall Mount	1.6 toilet	Floor Mount	Toilet	ADA Floor Mount	Mt Toilet	Toilet	1.5 GPF	Large	1.0 GPF	Large	1.5 GPF	Small	1.0 GPF	Small	1.5 GPF	Floor Mount	GPM	Flow Rate	Quantity			
Victor Park	Womens	1	3.5 PF	Floor Mount	1.6 GPF	Floor Mount	1	3.5 GPF	ADA Floor Mount	1.6 GPF	ADA Floor Mount	3.5 GPF	Wall Mount	1.6 GPF	Wall Mount	3 bolt- 3.5 GPF	Wall Mount	1.6 toilet	Floor Mount	Toilet	ADA Floor Mount	Mt Toilet	Toilet	1.5 GPF	Large	1.0 GPF	Large	1.5 GPF	Small	1.0 GPF	Small	1.5 GPF	Floor Mount			

Building	Room # or location description:	Commercial Toilets						Gravity Tank & Bowl				Urinals				Showers				
		Floor Mount	Floor Mount	ADA Floor Mount	ADA Floor Mount	Wall Mount	Wall Mount	3 bolt- 3.5 GPF Wall Mount	Existing	Floor Mount	ADA Floor Mount	Wall Mount	Large	Large	Small	Small	1.0 GPF	1.5 GPF	Flow Rate	Quantity
		3.5 PF	1.6 GPF	3.5 GPF	1.6 GPF	3.5 GPF	1.6 GPF	3 bolt- 3.5 GPF	1.6 toilet	Toilet	ADA Floor Mount	1.5 GPF	1.5 GPF	1.0 GPF	1.5 GPF	1.0 GPF	1.5 GPF	GPM		
Delthorne Park	unisex					1														
Delthorne Park	unisex					1														
Delthorne Park	unisex					1														
Greenwood School	Office	1																		
Greenwood School	Staff unisex			1																
Greenwood School	Staff unisex			1																
Greenwood School	Baby Rm.									2										
Greenwood School	Preschool Rm									2										
Greenwood School	Pre-K Rm.									2										
Greenwood School	Outside M					3														
Greenwood School	Outside W					4	1													
Hickory Park	mens					1	1													
Hickory Park	Womens					3														
Madrona Park	Mens									2										
Madrona Park	Womens									4										
Sur La Brea Park	Mens					2														
Sur La Brea Park	Womens					2														
Sur La Brea Park	Rec Rm.			1																
Pueblo Park	Mens																			
Pueblo Park	Womens																			
Torrance Park	Stainless steel																			
Torrance Park	n/a																			
Wilson Park	East./West Stainless																			
Wilson Park	n/a																			
Wilson Park	Animal Control																			
Wilson Park	Maint.	2																		
Wilson Park	Sports Ctr M																			
Wilson Park	Sports Ctr W																			
El Retiro Park	Mens Stainless																			
El Retiro Park	n/a																			
El Retiro Park	Womens Stainless																			
El Retiro Park	n/a																			
El Retiro Park	Mens Rec																			
El Retiro Park	Womens Rec																			
Walteria Park	Mens Park																			
Walteria Park	Womens Park																			
Walteria Park	Rec Rm Hncp.																			
Walteria Park	Rec Rm Mens	3																		
Walteria Park	Rec Rm Womens	2																		

Building	Room # or location description:	Commercial Toilets						Gravity Tank & Bowl				Urinals				Showers			
		Floor Mount	ADA Floor Mount	ADA Floor Mount	Wall Mount	Wall Mount	Wall Mount	Existing	Floor Mount	ADA Floor Mount	Wall Mount	Large	Large	Small	Small	Floor Mount	GPM	Flow Rate	Quantity
Lago Park	Mens	3.5 PF	1.6 GPF	3.5 GPF	1.6 GPF	3.5 GPF	3 bolt- 3.5 GPF	1.6 toilet	Toilet	Toilet		1.5 GPF	1.0 GPF	1.5 GPF	1.5 GPF				
Lago Park	Womens					3													
Deportola Park	Mens				1														
Deportola Park	Womens Stainless					1								1					
Deportola Park	n/a																		
Sea-Aire Park	Mens	2												1					
Sea-Aire Park	Womens	2																	
Guesner Park	Mens	2																	
Guesner Park	Womens	2	1																
El Nido Park	Womens Park	1	1	1															
El Nido Park	Mens Park	1	1	1										1					
El Nido Park	Rec Rm M	1	1	1															
El Nido Park	Rec Rm W	1																	
La Romaria Park	Mens	3																	
La Romaria Park	Womens	1	1	1															
Entradero Park	Mens	1	1	1															
Entradero Park	Womens	2	1																
Las Cauchas Park	Mens	1	1	1															
Las Cauchas Park	Womens	1	1	1															
Alta Loma Park	Womens Park					2	1												
Alta Loma Park	Mens Park					1	1												
Alta Loma Park	Rec M							1											
Alta Loma Park	Rec W							1	1										
Columbia Park	stainless																		
Columbia Park	n/a																		
McMaster Park	Rec Rm W							3											
McMaster Park	Rec Rm M							1											
McMaster Park	Hcp RR																		
McMaster Park	Tillum W																		
McMaster Park	Tillum M																		
McMaster Park	Preschool HCP																		
McMaster Park	Preschool Coed																		
McMaster Park	Park W	2	1																
McMaster Park	Park M	1	1																
TOTAL		142	28	23	10	117	27	5	20	13	1	52	14	28	4	8			43

EXHIBIT B
COMPENSATION SCHEDULE

EXISTING DEVICE	RETROFIT DEVICE	QUANTITY	UNIT COST	TOTAL COST
3.5 GAL. TOILET - FLOOR. MOUNT W/FLUSHOMETER	HIGH EFF. TOILET	142	\$450	\$63,900
1.6 GAL. TOILET - FLOOR OR WALL MOUNT W/FLUSHOMETER	DUAL FLUSH VALVE ONLY	65	\$190	\$12,350
3.5 GALLON TOILET - ADA FLOOR MOUNT W/FLUSHOMETER	HIGH EFF. TOILET	23	\$535	\$12,305
3.5 GALLON TOILET - WALL MOUNT W/FLUSHOMETER	HIGH EFF. TOILET	117	\$460	\$53,820
3.5 GALLON TOILET - WALL MOUNT 3 BOLT W/FLUSHOMETER	1.6 GALLON TOILET	5	\$560	\$2,800
1.6 GALLON TOILET - TANK TYPE	HIGH EFF. TOILET	20	\$290	\$5,800
3.5 GALLON TOILET - TANK TYPE	HIGH EFF. TOILET	14	\$290	\$4,060
LARGE 1.5 GPF URINAL	HIGH EFF. URINAL	52	\$630	\$32,760
LARGE 1.0 GPF URINAL	HIGH EFF. URINAL	14	\$630	\$8,820
SMALL 1.5 GPF URINAL	HIGH EFF. URINAL	28	\$610	\$17,080
SMALL 1.0 GPF URINAL	HIGH EFF. URINAL	4	\$610	\$2,440
FLR. MT. 1.5 GPF URINAL	.5 GPF VALVE	8	\$240	\$1,920
SHOWERHEADS	LOW FLOW SHOWERHEADS	43	\$20	\$860
	SUBTOTAL			\$218,915
	WEST BASIN INCENTIVES - DIRECT TO BOTTOM LINE			(\$64,750)
	TOTAL			\$154,165