

caroma®

CI/SfB	(74.1)	g3
Date	November 2007	

Supersedes all previous issues

Walvit Elongated

Wall-Hung 1.6/0.8 gpf (6/3 l) Water Saving
Dual Flush High Efficiency Toilet (HET)

Ultra Low Flush (ULF) Vitreous China
Washdown Toilet

2.9.2



HIGH EFFICIENCY TOILET
HET

c-UPC®
IAPMO listed for USA & Canada

► **Description**

Exposed, Battery Powered, Sensor Activated Sloan ECOS™ Electronic Dual Flush Model Water Closet Flushometer for floor mounted or wall hung top spud bowls.

► **Flush Cycle**

- ☐ Full Flush (Large Button) / 1.6 gpf/6.0 Lpf
☐ Reduced Flush (Small Button) / 1.1 gpf/4.2 Lpf

► **Specifications**

Quiet, Exposed, Diaphragm Type, Chrome Plated Closet Flushometer for either left or right hand supply with the following features:

- If the user is present for less than one minute and leaves the sensing zone or chooses the small override button, a reduced flush initiates (1.1 gpf/4.2 Lpf) eliminating liquid and paper waste, saving 1/2 gallon of water
- If the user is present for greater than one minute and leaves the zone or chooses the large override button, the full flush initiates (1.6 gpf/6.0 Lpf) eliminating solid waste and paper
- Reduces water volume by up to 30% when a reduced flush occurs
- PERMEX™ Synthetic Rubber Diaphragm with twin linear filtered bypass and vortex cleansing action
- Flex Tube Diaphragm designed for improved life and reduced maintenance
- ADA Compliant Sloan ECOS™ Electronic Dual Flush Battery Powered Infrared Sensor for automatic “No Hands” operation
- Infrared Sensor with Multiple-focused, Lobular Sensing Fields for high and low target detection
- Latching Solenoid Operator
- Engineered Metal Cover with replaceable Lens Window
- User friendly three (3) second Flush Delay
- Courtesy Flush™ Override Button
- Four (4) Size AA Batteries factory installed
- “Low Battery” Flashing LED
- Infrared Sensor Range Adjustment Screw
- Initial Set-up Range Indicator Light (first 10 minutes)
- Chrome Plated Metal Handle Cap
- 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 1-1/2” Top Spud
- Sweat Solder Adapter w/Cover Tube and Cast Wall Flange w/Set Screw
- High Copper, Low Zinc Brass Castings for Dezincification Resistance
- Fixed Metering Bypass and No External Volume Adjustment to Ensure Water Conservation
- Flush Accuracy Controlled by CID™ Technology
- Diaphragm, 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, Tailpiece and Control Stop shall be in conformance with ASTM Alloy Classification for Semi-Red Brass. Valve shall be in compliance with the applicable sections of ASSE 1037, ANSI/ASME A112.19.2 and Military Specification V-29193. Installation conforms to ADA requirements.

► **Special Finishes**

- ☐ **PB** Polished Brass (PVD Finish)
☐ **GP** Gold Plate (PVD Finish)
☐ **BN** Brushed Nickel (PVD Finish)
☐ **SF** Satin Chrome

See Accessories Section and Sloan ECOS™ Electronic Dual Flush Accessories Section of the Sloan catalog for details on these and other Sloan ECOS™ Electronic Dual Flush Flushometer variations.



► **ADA Compliant**

► **Manual Operation**

Sloan ECOS™ Electronic Dual Flush Flushometers incorporate intuitive Split-button design for easy manual activation. The small button controls the reduced flush cycle (1.1 gpf/4.2 Lpf), the large button controls the full flush cycle (1.6 gpf/6.0 Lpf). Straightforward graphics alert user to proper activation. Reduced flush for liquid waste, full flush for solid waste. To further educate the user, two (2) instructional wall plates are included with each Sloan ECOS™ Flushometer.

► **Automatic Operation**

Sloan ECOS™ Electronic Dual Flush Flushometers can also be activated via multi-lobular infrared sensor. By detecting user presence and duration, the Sloan ECOS™ Smart Sense Technology™ will determine the proper flush volume for unequalled water efficiency.

► **Functional & Hygienic**

Touchless, sensor operation eliminates the need for user contact to help control the spread of infectious diseases. The Sloan ECOS™ Electronic Dual Flush Flushometers are provided with *Reduced* or *Full* Flush Override Buttons to allow a “courtesy flush” for individual user comfort.

► **Warranty**

3 year (limited)



This space for Architect/Engineer approval

Job Name _____ Date _____

Model Specified _____ Quantity _____

Variations Specified _____

Customer/Wholesaler _____

Contractor _____

Architect _____

Features

- Vitreous china
- Includes sealing liquid sample and cleaner sample
- Includes removable strainer, universal mounting bracket, outlet spud, and hangers
- 15-1/2" (39.4 cm) extended rim

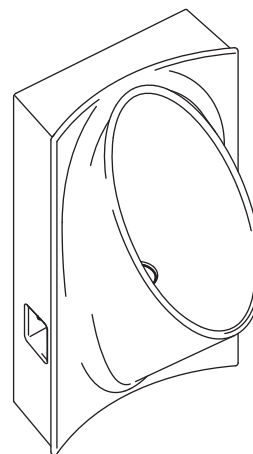
WATERLESS URINAL K-4918

ADA

Codes/Standards Applicable

Specified model meets or exceeds the following:

- ADA when rim is mounted no higher than 17" (43.2 cm) from finished floor
- CSA B45
- ICC/ANSI A117.1
- ASME A112.19.2
- CSA International
- ASME A112.19.19-06
- IAPMO/Classified Listing



Colors/Finishes

- 0: White
- Other: Refer to Price Book for additional colors/finishes

Accessories:

- NA: None applicable

Specified Model

Model	Description	Colors/Finishes	
K-4918	Waterless urinal	<input type="checkbox"/> 0	<input type="checkbox"/> Other_____
Optional Accessories			
18773	3" outlet spud	<input type="checkbox"/> NA	

Product Specification

The waterless urinal shall be made of vitreous china. The urinal shall have a 15-1/2" (39.4 cm) extended rim. The urinal shall include a sealing liquid sample and cleaner sample. The urinal shall include a removable strainer, universal mounting bracket, outlet spud, and hangers. The urinal shall be Kohler Model K-4918-_____.



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.

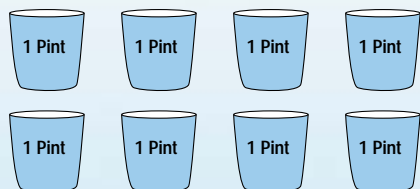


Patent Pending

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

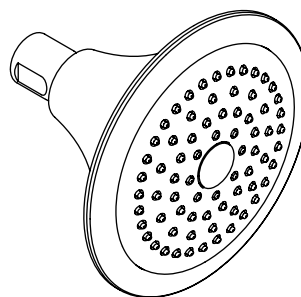
The Z5798 total yearly cost of operation is \$22.75. The ROI calculation based upon water/sewage alone is quite simple. In addition to the water/sewage savings, many municipalities offer rebates between \$200-\$300 for installing high efficiency urinals. Please feel free to contact our Customer Service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

Features

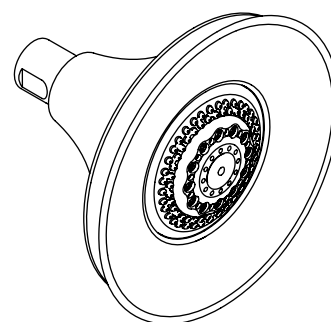
- MasterClean™ spray nozzles prohibit mineral build-up
- Complements Forte® faucet line
- 1/2" - 14 NPT connection
- 2.5 gallons (9.5 L) per minute flow rate [K-10282, K-10284]
- Single-function spray with 72 individual MasterClean spray nozzles [K-10282]
- Ecoefficient™ 1.75 gallons (6.6 L) per minute flow rate [K-10240]
- Full-coverage, therapeutic massage, soft-aerated spray, and water-saving eco spray options [K-10284]
- Wide-coverage, medium-coverage, and forceful utility spray options [K-10240]

SHOWERHEAD K-10240

ALSO K-10282, K-10284



K-10282



K-10240
K-10284

Codes/Standards Applicable

Specified model meets or exceeds the following:

- ASME 112.18.1/CSA B125
- IAPMO/cUPC

Colors/Finishes

- CP: Polished Chrome
- Other: Refer to Price Book for additional colors/finishes

Accessories

- CP: Polished Chrome
- PB: Vibrant® Polished Brass
- Other: Refer to Price Book for additional colors/finishes

Specified Model

Model	Description	Colors/Finishes	
K-10240	Multi-function showerhead – Ecoefficient 1.75 gallon (6.6 L) per minute flow rate	<input type="checkbox"/> CP	<input type="checkbox"/> Other _____
K-10282	Single-function showerhead – 2.5 gallon (9.5 L) per minute flow rate	<input type="checkbox"/> CP	<input type="checkbox"/> Other _____
K-10284	Multi-function showerhead – 2.5 gallon (9.5 L) per minute flow rate	<input type="checkbox"/> CP	<input type="checkbox"/> Other _____

Recommended Accessories				
K-7397	Shower arm and flange – 7-1/2" (13.7 cm) length, 1/2" NPT	<input type="checkbox"/> CP	<input type="checkbox"/> PB	<input type="checkbox"/> Other _____
K-16133	Shower arm	<input type="checkbox"/> CP	<input type="checkbox"/> PB	<input type="checkbox"/> Other _____

Product Specification

Showerhead shall feature a 1/2" - 14 NPT connection. Product shall feature MasterClean spray nozzles to prohibit mineral build-up. Product shall feature a 2.5 gallon (9.5 L) per minute flow rate [K-10282, K-10284] or an Ecoefficient 1.75 gallon (6.6 L) per minute flow rate [K-10240]. Product shall be available as a single-function spray with 72 individual MasterClean spray nozzles [K-10282]. Product shall be available with a multi-function spray featuring full-coverage, therapeutic massage, soft-aerated spray, and water-saving eco spray options [K-10284] or wide-coverage, medium-coverage, and forceful utility spray options [K-10240]. Showerhead shall complement the Forté faucet line. Showerhead shall be Kohler Model K-_____-____.

EAF-275

Solar Powered, Electronic
Hand Washing Faucet

► Description

Solar Powered, Sensor Activated Electronic Hand Washing Faucet for pre-tempered or hot and cold water operation.

► Models

- ☐ EAF-275 Single Supply Faucet
(For pre-mixed water only)
- ☐ EAF-275-ISM With Integral Spout Temperature Mixer
(For Hot and Cold water supply connection)

► Flow Rate

- ☐ 0.5 gpm/1.9 Lpm Aerator Spray Head

► Specifications

Solar Powered, Sensor Activated, Electronic, Chrome Plated Constructed Metal, Hand Washing Faucet with the following features:

- Modular One-piece Construction with all Concealed Components above deck
- Double Infrared Sensors with Automatic Setting Feature
- Automatic Self-adapting Sensor Technology
- Solar Powered
- Magnetic Solenoid Valve
- Water Supply Connection with Flexible High-pressure Hose and Strainer
- Appropriate Mounting Hardware included
- Includes 6 VDC Lithium Battery Back-up Power Source

► Variations

- ☐ **ISM** Integral Spout Mixer

► Accessories

• Trim Plates

- ☐ **ETF-312-A** Trim Plate for 4" (102 mm) Centerset Sink
- ☐ **ETF-510-A** Trim Plate for 8" (203 mm) Centerset Sink

Trim Plates must be specified and ordered separately.

• Aerators

- ☐ **EAF-10** 2.2 gpm/8.3 Lpm Aerator Spray Head
- ☐ **EAF-13** 2.2 gpm/8.3 Lpm Laminar Flow Spray Head

• Faucet Extension Kits

- ☐ **EAF-35-A** Faucet Extension Kit
- ☐ **EAF-30-A** Faucet Extension Kit (International Version – has 1/2G inlet connections)

► Warranty

3 year (limited)

► ADA Compliant



EAF-275-ISM

The new Optima solar powered faucet — Bringing intelligence to water

The first solar powered electronic faucet's integrated power plant transforms light into electrical energy. Optimal performance any place, any time; in sunlight or even artificial light. The unique "Solar Energy Module" utilizes any light source efficiently.

Sloan's new Optima EAF-275 Series electronic hand washing faucets operate by means of a dual infrared sensor and microprocessor based logic. The modular design incorporates all of the operating components of the faucet, including the sensor, solenoid, circuitry and solar energy module above the sink within a die-cast metal spout.

ISM models feature an integral temperature control lever which allows the user to adjust the water temperature. This adjustment can also be converted to a fixed setting. EAF faucets ordered without the ISM variation must be connected to a single, pre-tempered water supply.

This space for Architect/Engineer approval

Job Name _____	Date _____
Model Specified _____	Quantity _____
Variations Specified _____	
Customer/Wholesaler _____	
Contractor _____	
Architect _____	