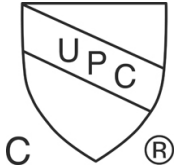


IAPMO RESEARCH AND TESTING, INC.

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IAPMO R&T Product Listing



This IAPMO R&T Listing is current as of 1/17/2020

Product: Flushometer Valves (Urinal or WC)

File No. 3030

Issued To: Toto USA, Inc.
5351 E. JURUPA ST.
ONTARIO, CA 91761

Identification: The product shall be permanently marked with the manufacturer's name or trademark or other mark or, in the cast of private labeling, the name, trademark, or other mark of the customer for whom the product was manufactured, and a line and the letters "CL" to indicate the critical level. The flushometers shall also permanently identify their average water consumption in litres per flush (Lpf) and gallons per flush (gpf). For manually activated dual flush flushometers, identification of flush mode options shall be depicted on the actuator. This identification shall be either by graphic display or lettering, or shall be intuitively apparent. The product shall also bear the cUPC® certification mark.

Characteristics: Flushometer valves must be equipped with a backflow prevention device. For valves equipped with a vacuum breaker, the critical level marking is to be at least six inches above the flood level rim of a water closet or the highest point of a urinal. To be installed in accordance with the manufacturer's instructions, and the provisions of the latest editions of the Uniform Plumbing Code and the National Plumbing Code of Canada.

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

Products are in compliance with the following code(s):

Uniform Plumbing Code (UPC®)
National Plumbing Code of Canada
International Plumbing Code (IPC®)

Products are in compliance with the following standard(s):

ASSE 1037-2015/ ASME A112.1037-2015/ CSA B125.37-15

MODELS:

Note 1: Models preceded by a "c" shall bear the cUPC® certification mark. All other models shall bear the UPC® certification mark.

Note 2: Models with an "^" are in compliance with ASSE 1037-2015/ASME A112.1037-2015/CSA B125.37-15 - Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures

URINAL FLUSH VALVES (1.0 GPF):

(Alkaline Battery)

cTEU1DNCS-12, cTEU1DNCS-22, cTEU1DLS-12, cTEU1DLS-22, cTEU1DLW-12, cTEU1DLW-22, cTEU1DRS-12, cTEU1DRS-22, cTEU1DRW-12, cTEU1DRW-22, cTEU1DNCR-12, cTEU1DNCR-22, cTEU2DNS-11, cTEU2DNS-21, cTEU3DNS-11, cTEU3DNS-21

(24 Volt)

cTEU1ALS-12, cTEU1ALS-22, cTEU1ARS-12, cTEU1ARS-22, cTEU2ALS-11, cTEU2ALS-21, cTEU2ARS-11, cTEU2ARS-21, cTEU3AS-11, cTEU3AS-21, cTEU3AW-11, cTEU3AW-21, cTEU4AS-11, cTEU4AS-21, cTEU4AW-11, cTEU4AW-21

(10 Volt)

cTEU1ANC-12, cTEU1ANC-22, cTEU1ANCR-12, cTEU1ANCR-22, cTEU2ANS-11, cTEU2ANS-21, cTEU3ANSR-11, cTEU3ANSR-21,

(6 Volt)

cTEY1DNC-42

Note: Above "TEU" series models may appear with the suffix "MO" to denote an optional actuator

(Manual)

cTMU1HNC-12, cTMU1HNC-22, TMU1HNC-V1, cTMU1HNCR-12, cTMU1HNCR-22, cTMU1NNC-12, cTMU1NNC-22
cTMU1LN-12, cTMU1LN-22

(EcoPower)

cTEU1GNC-12, cTEU1GNC-22, ^cTEU1GA**

Urinal Flush Valves (.5 GPF):

cTEU1LN-12, cTEU1LN-22, ^cTEU1LA**, ^c TEU1LAX (12,22)***, ^c TEU2LAX (11,12,21)***, ^c TEU3LAX (11,12,21)***

Urinal Flush Valves (0.125 GPF):

cTEU1UN**, cTEU2UN**, cTEU3UN**, ^cTEU1UA**, ^cTEU2UA**, ^cTEU3UA**, ^c TEU1UAX (12)***, ^c TEU2UAX (11,12)***, ^c TEU3UAX (11,12)***

TOILET FLUSH VALVES (1.0 GPF)

^cTET1UA**, ^cTET6UA**, ^cTET2UA**, ^cTET3UA**, ^c TET1UAX(32)***, ^c TET6UAX(32)***, ^c TET2UAX(31,32,33)***, ^c TET3LAX(31,32,33)***,

TOILET FLUSH VALVES (1.6 GPF):

(Alkaline Battery)

cTET1DNCS-32, cTET1DLS-32, cTET1DLW-32, cTET1DRS-32, cTET1DRW-32, cTET1DNCR-32, cTET2DNS-31, cTET2DNS-32, cTET2DNS-33, cTET3DNS-31, cTET3DNS-32, cTET3DNS-33

(24 Volt)

cTET1ALS-32, cTET1ARS-32, cTET2ALS-31, cTET2ALS-32, cTET2ALS-33, cTET2ARS-31, cTET2ARS-32, cTET2ARS-33, cTET3AS-31, cTET3AS-32, cTET3AS-33, cTET3AW-31, cTET3AW-32, cTET3AW-33, cTET4AS-31, cTET4AS-32, cTET4AS-33, cTET4AW-31, cTET4AW-32, cTET4AW-33

(10 Volt)

cTET1ANC-32, cTET1ANCR-32, cTET2ANS-31, cTET2ANS-32, cTET2ANS-33, cTET3ANSR-31, cTET3ANSR-32, cTET3ANSR-33,

(Manual)

cTMT1HNC-32, TMT1HNC-V1, cTMT1HNCR-32, cTMT1NNC-32, cTMT1LN-32, cTMT6LN-32

(EcoPower)

cTET1GNC-32, cTET6GNC-32, ^cTET1GA**, ^cTET6GA**

Toilet Flush Valves (1.28 GPF):

cTET1LN-32, cTET6LN-32, ^cTET1LA**, ^cTET6LA**, ^c TET1LAX(32)***, ^c TET6LAX(32)***, ^c TET2LAX(31,32,33)***, ^c TET3LAX(31,32,33)***

Large Plate Toilet and Urinal Flushometer Vales

cTET2GN**, cTET2LN**, cTEU2GN**, cTEU2LN**, ^cTET2GA**, ^cTET2LA**, ^cTEU2LA**

Small Plate Toilet and Urinal Flushometer Vales

cTET3GN**, cTET3LN**, cTEU3GN**, cTEU3LN**, ^cTET3GA**, ^cTET3LA**, ^cTEU3LA**

TOILET FLUSH VALVES (3.5 GPF):

For Replacement Use Only

(Alkaline Battery)

cTEW1DNCS-32, cTEW1DLS-32, cTEW1DLW-32, cTEW1DRS-32, cTEW1DRW-32, cTEW1DNCR-32, cTEW2DNS-31, cTEW2DNS-32, cTEW2DNS-33, cTEW3DNS-31, cTEW3DNS-32, cTEW3DNS-33,

(Manual)

cTMW1HNC-32, TMW1HNC-V1, cTMW1HNCR-32, cTMW1NNC-32

(10 Volt)

cTEW1ANCR-32, cTEW2ANS-31, cTEW2ANS-32, cTEW2ANS-33, cTEW3ANS-31, cTEW3ANS-32, cTEW3ANS-33

(EcoPower)

cTEW1GNC-32, cTEW6GNC-32

(¹)EcoPower Toilet Flush Valves :

^cTET1UAR**, ^cTET6UAR**, ^cTET1GAR** , ^cTET6GAR** , ^cTET1LAR** , ^cTET6LAR**

(¹)EcoPower Urinal Flush Valves :

^cTEU1GAR**, ^cTEU1LAR**, ^cTEU1UAR**

(¹)Large Plate Toilet and Urinal Flushometer Vales

^cTET2UAR**, ^cTET2GAR**, ^cTET2LAR**, ^cTEU2LAR**, ^cTEU2UAR**,

(¹)Small Plate Toilet and Urinal Flushometer Vales

^cTET3UAR**, ^cTET3GAR**, ^cTET3LAR**, ^cTEU3LAR**, ^cTEU3UAR**

(¹) indicates that "R" in those model numbers may be replaced with:

i2 = WLAN (wireless local area networking)

i3 = LPWAN (low-power wide-area network)

i4 = LoRa (long-range wireless communication)

NOTE: Models listed above may be sold with or without suffix (xx),

Where xx may denote the following:

11 : 3/4" vacuum breaker tube, back spud

12 : 3/4" vacuum breaker tube, top spud

21 : 1 1/4" vacuum breaker tube, back spud

22 : 1 1/4" vacuum breaker tube, top spud

31 : 1 1/2" vacuum breaker tube, back spud, wall mounted bowl

32 : 1 1/2" vacuum breaker tube, top spud

33 : 1 1/2" vacuum breaker tube, top spud, floor mounted bowl

42 : 5/8" outlet, top spud

Where yy may denote the following finishes:

CP- Chrome Plated

PB- Polished Brass

BN- Brushed Nickel

PN- Polished Nickel

RB- Oil Rubbed Bronze

RS- Rose Bronze

BL- Black Nickel

SN- Satin Nickel

SS- Stainless Steel

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