



IAPMO India

No. 22, 12th "B" Main, HAL 2nd Stage, Indiranagar, Bengaluru, Karnataka, India 560008 +91 80 30714500



CERTIFICATE OF LISTING

IAPMO Plumbing Codes and Standards India Private Ltd. (aka IAPMO India) is a product certification body which lists and inspects samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO India of the product acceptance by Authorities Having Jurisdiction.

Licensee: HSIL Limited, 301-302, III Floor, Park Centra, Sector 30, N.H-8, Gurgaon, Haryana, India 122001

File No: IN-1006

Product: Dual Flush Water Closets

Effective Date: January 2018

Void After: January 2019

IDENTIFICATION: The manufacturer's name or registered trademark, or, in the case of private labeling, the name of the customer for whom the fixture was manufactured, shall be permanently applied so as to be legible, readily identified, and located so as to be visible after installation. The model number of each water closet, or bowl and tank model numbers in the case of close-coupled water closets, shall be applied on each component so as to be legible and visible after installation.

Each water closet shall be marked, identifying the water consumption of the fixture. This disclosure shall be expressed in terms of liters per flush as follows:

- (a) 4.8 Lpf, or the actual tested water consumption, if lower, for high-efficiency water closets;
- (b) 6.0 Lpf, or the actual tested water consumption, if lower, for low consumption water closets.

Each Gravity flush tank shall be permanently marked by the manufacturer with a water level mark, or with the information necessary to determine the water level in the tank needed to deliver the intended flush volume. This mark shall be applied to the vitreous body in the tank, the tank liner, or the flush-valve overflow tube. The vertical distance between the water level mark and the lowest point of the tank overflow channel shall not exceed 38 mm.

Fixtures that do not comply with one or more of the dimensional requirements of standard ASME A112.19.2-2013/CSA B45.1-13 shall be marked with an "N" to indicate the non-standard nature of the fixture.

Water closet tanks shall have a label indicating at least the following:

- (a) the telephone number of a service department from which end-users can obtain replacement parts;
- (b) the serial or part number of the flush valve seal; and
- (c) information on procuring replacement parts for maintaining the original flush volume.

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All packaging for vitreous plumbing fixtures shall be marked with the manufacturer's name or registered trademark, or, in case of private labeling, the name of the customer for whom the fixture was manufactured, and the model number of the fixture. Listed products shall bear the UIPC-I/WEP-I™ star rating certification mark with or without the term 'GREEN' on top of the mark.

CHARACTERISTICS: Water closets equipped with a dual flushing device. To be installed to the manufacturer's instructions and requirements of the latest edition of the Uniform Illustrated Plumbing Code – India (UIPC-I). Products comply to applicable sections of the latest edition of the Uniform Illustrated Plumbing Code – India, ASME A112.19.2-2013/CSA B45.1-13 with Update No. 1, ASME A112.19.14-2013, 2013 Green Plumbing Code Supplement – India (GPCS-I), 2017 Water Efficient Products – India (WEP-I), and IGBC and LEED® Green Rating Systems. Sample models listed on this certificate were tested by an IAPMO India recognized laboratory that was found compliant to applicable requirements in ISO/IEC 17025.

Neeta Sharma
Managing Director

GP Russ Chaney
CEO, The IAPMO Group



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Models:

Dual Flush Gravity Flow EWC Model	Flush Lpf (High/Low)		Baseline Savings Lpf (High/Low)	2013 WEP-I Star Rating	2013 GPCS-I Green Effective Max. Flush (Lpf)	IGBC Green Rating System		LEED Green Rating System	
	Baseline	Rated				Homes ¹	Factory Bldg ²	CS ³	NC&MR ⁴
						WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE	WE
2 PC 20028 EWC 21038 Cistern Constellation Wall Hung Extended	6.0 / 3.0	3.71 / 2.29	2.29 / 0.71 38% / 24%	★★★★	2.76	WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 3	WE Credit 3 Points: 3
2 PC 20050 EWC 21033 Cistern Cleo 'S-220/190 Floor Mount	6.0 / 3.0	3.57 / 2.76	2.43 / 0.24 40% / 8%	★★★★	3.03	WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 4	WE Credit 3 Points: 4
2 PC 20058 EWC 21028 Cistern Studio 'P Wall Hung Extended	6.0 / 3.0	4.61 / 2.53	1.39 / 0.47 23% / 16%	★★★	3.22	WE Credit 4 Points: 0	WC Credit 6 Points: 2	WE Credit 3 Points: 0	WE Credit 3 Points: 0

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Dual Flush Gravity Flow EWC Model	Flush Lpf (High/Low)		Baseline Savings Lpf (High/Low)	2013 WEP-I Star Rating	2013 GPCS-I Green Effective Max. Flush (Lpf)	IGBC Green Rating System		LEED Green Rating System	
	Baseline	Rated				Homes ¹	Factory Bldg ²	CS ³	NC&MR ⁴
						WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 3	WE Prerequisite 1 WE Credit 3 Points: 3
Wall Hung 20069 EWC Lara with R&T G3004 Concealed Cistern	6.0 / 3.0	3.73 / 1.86	2.27 / 1.14 38% / 38%	★★★★	2.48	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 3	WE Prerequisite 1 WE Credit 3 Points: 3
Wall Hung 20082 EWC Mario with R&T G3004 Concealed Cistern	6.0 / 3.0	3.54 / 1.16	2.46 / 1.84 41% / 61%	★★★★	1.95	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4
2 PC 20084 EWC 21052 Cistern Mario 'P' Wall Hung Extended	6.0 / 3.0	3.42 / 1.25	2.58 / 1.75 43% / 58%	★★★★	1.97	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4

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Dual Flush Gravity Flow EWC Model	Flush Lpf (High/Low)		Baseline Savings Lpf (High/Low)	2017 WEP-I Star Rating	2013 GPCS-I Green Effective Max. Flush (Lpf)	IGBC Green Rating System		LEED Green Rating System	
	Baseline	Rated				Homes ¹	Factory Bldg ²	CS ³	NC&MR ⁴
Wall Hung 92024 EWC Enigma with R&T G3004 Concealed Cistern	6.0 / 3.0	3.66 / 1.53	2.34 / 1.47	★★★★	2.24	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 3	WE Prerequisite 1 WE Credit 3 Points: 3
1 PC EWC 92038 Olivia 'S-300 Floor Mount	6.0 / 3.0	3.75 / 1.72	2.25 / 1.28	★★★★	2.40	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 3	WE Prerequisite 1 WE Credit 3 Points: 3
1 PC EWC 92042 Olivia 'S-220 Floor Mount	6.0 / 3.0	3.72 / 1.82	2.28 / 1.18	★★★★	2.45	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 3	WE Prerequisite 1 WE Credit 3 Points: 3
1 PC EWC 92048 Elba 'S-220 Floor Mount	6.0 / 3.0	3.71 / 2.20	2.29 / 0.80	★★★★	2.70	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 3	WE Prerequisite 1 WE Credit 3 Points: 3

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Dual Flush Gravity Flow EWC Model	Flush Lpf (High/Low)		Baseline Savings Lpf (High/Low)	2017 WEP-I Star Rating	2013 GPCS-I Green Effective Max. Flush (Lpf)	IGBC Green Rating System		LEED Green Rating System	
	Baseline	Rated				Homes ¹	Factory Bldg ²	CS ³	NC&MR ⁴
Wall Hung 92051 EWC				★★★★	2.53	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE Prerequisite 1	WE Prerequisite 1
Essence with R&T G3004 Concealed Cistern	6.0 / 3.0	3.70 / 1.94	2.30 / 1.06 38% / 35%	★★★★	2.53	WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 3	WE Credit 3 Points: 3
2 PC 92058 EWC				★★★★	1.96	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE Prerequisite 1	WE Prerequisite 1
92122 Cistern Florence 'S-220 Floor Mount	6.0 / 3.0	3.52 / 1.18	2.48 / 1.82 41% / 61%	★★★★	1.96	WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 4	WE Credit 3 Points: 4
1 PC EWC 92072	6.0 / 3.0	3.52 / 2.51	2.48 / 0.49	★★★★	2.84	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE Prerequisite 1	WE Prerequisite 1
Cedar 'S -100 Floor Mount			41% / 16%	★★★★	2.84	WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 4	WE Credit 3 Points: 4

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Dual Flush Gravity Flow EWC Model	Flush Lpf (High/Low)		Baseline Savings Lpf (High/Low)	2017 WEP-I Star Rating	2013 GPCS-I Green Effective Max. Flush (Lpf)	IGBC Green Rating System		LEED Green Rating System	
	Baseline	Rated				Homes ¹	Factory Bldg ²	CS ³	NC&MR ⁴
Wall Hung 92081 EWC				★★★★	2.27	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE	WE
Element with R&T G3004 Concealed Cistern	6.0 / 3.0	3.70 / 1.55	2.30 / 1.45 38% / 48%			WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 3	WE Credit 3 Points: 3
1 PC EWC 92082	6.0 / 3.0	3.51 / 1.38	2.49 / 1.62 42% / 54%	★★★★	2.09	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE	WE
Element 'S' 30cm Floor Mount						WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 4	WE Credit 3 Points: 4
1 PC EWC 92083	6.0 / 3.0	3.71 / 1.76	2.29 / 1.24 38% / 41%	★★★★	2.41	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE	WE
Estella 'S'-300 Floor Mount						WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 3	WE Credit 3 Points: 3
1 PC EWC 92084	6.0 / 3.0	3.67 / 2.26	2.33 / 0.74 39% / 25%	★★★★	2.73	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE	WE
Element 'S'-220 Floor Mount						WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 3	WE Credit 3 Points: 3

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Dual Flush Gravity Flow EWC Model	Flush Lpf (High/Low)		Baseline Savings Lpf (High/Low)	2017 WEP-I Star Rating	2013 GPCS-I Green Effective Max. Flush (Lpf)	IGBC Green Rating System		LEED Green Rating System	
	Baseline	Rated				Homes ¹	Factory Bldg ²	CS ³	NC&MR ⁴
1 PC EWC 92085 Element 'S' 10cm Floor Mount	6.0 / 3.0	3.55 / 1.67	2.45 / 1.33 41% / 44%	★★★★	2.30	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4
Wall Hung 92092 EWC Twilight with R&T G3004 Concealed Cistern	6.0 / 3.0	3.44 / 1.49	2.56 / 1.51 43% / 50%	★★★★	2.14	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4
Wall Hung 92502 EWC Enigma Slim with R&T G3004 Concealed Cistern	6.0 / 3.0	3.50 / 1.47	2.50 / 1.53 42% / 51%	★★★★	2.15	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4

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	Baseline	Rated				Homes ¹	Factory Bldg ²	CS ³	NC&MR ⁴
1 PC EWC 92503 Alpine 'S-300 Floor Mount	6.0 / 3.0	5.87 / 2.27	0.13 / 0.73 2% / 24%	★	3.47	WE Mandatory Requirement 2 WE Credit 4 Points: 0	WC Mandatory Requirement 2 WC Credit 6 Points: 0	WE Prerequisite 1 WE Credit 3 Points: 0	WE Prerequisite 1 WE Credit 3 Points: 0
1 PC EWC 92504 Alpine 'S-220 Floor Mount	6.0 / 3.0	5.87 / 2.27	0.13 / 0.73 2% / 24%	★	3.47	WE Mandatory Requirement 2 WE Credit 4 Points: 0	WC Mandatory Requirement 2 WC Credit 6 Points: 0	WE Prerequisite 1 WE Credit 3 Points: 0	WE Prerequisite 1 WE Credit 3 Points: 0
1 PC EWC 92511 Athens 'S-300 Floor Mount	6.0 / 3.0	3.65 / 2.22	2.35 / 0.78 39% / 26%	★★★	2.70	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 3	WE Prerequisite 1 WE Credit 3 Points: 3
1 PC EWC 92537 Cedar 'S' 22cm Floor Mount	6.0 / 3.0	3.52 / 1.58	2.48 / 1.42 41% / 47%	★★★	2.23	WE Mandatory Requirement 2 WE Credit 4 Points: 4	WC Mandatory Requirement 2 WC Credit 6 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4	WE Prerequisite 1 WE Credit 3 Points: 4

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1. IGBC Green Homes Rating System, Abridged Reference Guide, v 2.0, April 2012
2. IGBC Green Factory Building Rating System, Abridged Reference Guide, July 2009 with August 2011 Addendum
3. LEED 2009 for Core & Shell Development Rating System
4. LEED 2009 for New Construction and Major Renovations Rating System

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