



**IAPMO Plumbing Codes and Standards India Pvt. Ltd.**  
No.43, 4th Floor, PMR Tower, Beratena Agrahara, Near Hosa Road junction, Bangalore, Karnataka 560100



# 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**

**Void After: January 31, 2021**

**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.

*K. Chandrasekhar*

Dr. K. Chandrasekhar  
IAPMO India

*Russ Chaney*

GP Russ Chaney  
CEO, The IAPMO Group



Models:

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**Product: Dual Flush Water Closets**

**Void After: January 31, 2021**

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 <sup>1</sup>	Factory Bldg <sup>2</sup>	CS <sup>3</sup>	NC&MR <sup>4</sup>
						WE Mandatory	WC Mandatory	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 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
2 PC Floor Mount 20050 EWC 21033 Cistern, or 21034 Cistern Cleo 'S-220/190	6.0 / 3.0	3.57 / 2.76	2.43 / 0.24 40% / 8%	★★★★	3.03	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 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 Mandatory Requirement 2 WE Credit 4 Points: 0	WC Mandatory Requirement 2 WC Credit 6 Points: 2	WE Prerequisite 1 WE Credit 3 Points: 0	WE Prerequisite 1 WE Credit 3 Points: 0

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	Baseline	Rated				Homes <sup>1</sup>	Factory Bldg <sup>2</sup>	CS <sup>3</sup>	NC&MR <sup>4</sup>
						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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	Baseline	Rated				Homes <sup>1</sup>	Factory Bldg <sup>2</sup>	CS <sup>3</sup>	NC&MR <sup>4</sup>
Wall Hung 92024 EWC Enigma with R&T G3004 Concealed Cistern	6.0 / 3.0	3.66 / 1.53	2.34 / 1.47 39% / 49%	★★★★	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 38% / 43%	★★★★	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 38% / 39%	★★★★	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 38% / 27%	★★★★	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 <sup>1</sup>	Factory Bldg <sup>2</sup>	CS <sup>3</sup>	NC&MR <sup>4</sup>
Wall Hung						WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE	WE
92051 EWC						WE Credit 4	WC Credit 6	WE Credit 3	WE Credit 3
Essence with R&T G3004	6.0 / 3.0	3.70 / 1.94	2.30 / 1.06	★★★★	2.53	Points: 4	Points: 4	Points: 3	Points: 3
Concealed Cistern									
2 PC						WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE	WE
92058 EWC						WE Credit 4	WC Credit 6	WE Credit 3	WE Credit 3
92122 Cistern	6.0 / 3.0	3.52 / 1.18	2.48 / 1.82	★★★★	1.96	Points: 4	Points: 4	Points: 4	Points: 4
Florence 'S-220			41% / 61%						
Floor Mount									
1 PC EWC						WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE	WE
92072	6.0 / 3.0	3.52 / 2.51	2.48 / 0.49	★★★★	2.84	WE Credit 4	WC Credit 6	WE Credit 3	WE Credit 3
Cedar 'S -100			41% / 16%			Points: 4	Points: 4	Points: 4	Points: 4
Floor Mount									

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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 <sup>1</sup>	Factory Bldg <sup>2</sup>	CS <sup>3</sup>	NC&MR <sup>4</sup>
Wall Hung 92081 EWC						WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE Prerequisite 1	WE Prerequisite 1
Element with R&T G3004	6.0 / 3.0	3.70 / 1.55	2.30 / 1.45	★★★★	2.27	WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 3	WE Credit 3 Points: 3
Concealed Cistern									
1 PC EWC 92082	6.0 / 3.0	3.51 / 1.38	2.49 / 1.62	★★★★	2.09	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE Prerequisite 1	WE Prerequisite 1
Element 'S' 30cm Floor Mount			42% / 54%			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	★★★★	2.41	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE Prerequisite 1	WE Prerequisite 1
Estella 'S'-300 Floor Mount			38% / 41%			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	★★★★	2.73	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE Prerequisite 1	WE Prerequisite 1
Element 'S'-220 Floor Mount			39% / 25%			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 <sup>1</sup>	Factory Bldg <sup>2</sup>	CS <sup>3</sup>	NC&MR <sup>4</sup>
1 PC EWC 92085	6.0 / 3.0	3.55 / 1.67	2.45 / 1.33	★★★★	2.30	WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE Prerequisite 1	WE Prerequisite 1
Element 'S' 10cm Floor Mount			41% / 44%			WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 4	WE Credit 3 Points: 4
Wall Hung 92092 EWC						WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE Prerequisite 1	WE Prerequisite 1
Twilight with R&T G3004	6.0 / 3.0	3.44 / 1.49	2.56 / 1.51	★★★★	2.14	WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 4	WE Credit 3 Points: 4
Concealed Cistern			43% / 50%						
Wall Hung 92502 EWC						WE Mandatory Requirement 2	WC Mandatory Requirement 2	WE Prerequisite 1	WE Prerequisite 1
Enigma Slim with R&T G3004	6.0 / 3.0	3.50 / 1.47	2.50 / 1.53	★★★★	2.15	WE Credit 4 Points: 4	WC Credit 6 Points: 4	WE Credit 3 Points: 4	WE Credit 3 Points: 4
Concealed Cistern			42% / 51%						

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