



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: Roca Bathroom Products Private Limited, KGN Towers, 4th Floor, A-Wing, No.62, Ethiraj Salai, Egmore, Chennai - 600 105

File No: IN-1021

Product: Water Efficient Products

Effective Date: October 2019

Void After: October 2020

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 A112.19.2-2018/CSA B45.1-18 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 UPC-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, and urinals. 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 A112.19.2-2018/CSA B45.1-18, 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**



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File No: IN-1021

Product: Water Efficient Products

Effective Date: October 2019

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Models:

Model	Bowl	Tank	Flush Lpf (High/Low)		Baseline Savings Lpf & %			2017 WEP-I Star Rating	2013 GPCS-I Green Effective Max. Flush (Lpf)	Green Points Rating System			
			Baseline	Rated	High	Low	IGBC			LEED			
							Homes ¹			Factory Bldg ²	CS ³	NC&MR ⁴	
I. Dual Flush Gravity Flow Wall Hung EWCs:													
Cascade Nxt	C0208	C0771	6.0 / 3.0	4.38 / 2.9	1.62	27% / 0.10	3%	★★★	3.39	2	2	-	-
Flair	C0210	C0768	6.0 / 3.0	5.85 / 2.91	0.15	3% / 0.09	3%	★★	3.89	-	-	-	-
Indus	C0265	C0769	6.0 / 3.0	5.88 / 2.89	0.12	2% / 0.11	4%	★★	3.89	-	-	-	-
Verve	C0269	C0762	6.0 / 3.0	5.85 / 2.91	0.15	3% / 0.09	3%	★★	3.89	-	-	-	-
II. Dual Flush Gravity Flow Floor Mounted Coupled EWCs:													
Avon -N	C0292	C0760	6.0 / 3.0	4.38 / 2.91	1.62	27% / 0.09	3%	★★★	3.40	2	2	-	-
Bristol -N	C0294	C0760	6.0 / 3.0	4.38 / 2.91	1.62	27% / 0.09	3%	★★★	3.40	2	2	-	-
Cascade Nxt	C0232	C0765	6.0 / 3.0	4.38 / 2.91	1.62	27% / 0.09	3%	★★★	3.40	2	2	-	-
Flair	C0237	C0768	6.0 / 3.0	5.68 / 2.89	0.32	5% / 0.11	4%	★★	3.82	-	-	-	-
Indus	C0214	C0769	6.0 / 3.0	5.78 / 2.91	0.22	4% / 0.09	3%	★★	3.87	-	-	-	-
Indus - 110	C0215	C0769	6.0 / 3.0	5.76 / 2.91	0.24	4% / 0.09	3%	★★	3.86	-	-	-	-
Indus - 230	C0266	C0769	6.0 / 3.0	5.76 / 2.89	0.24	4% / 0.11	4%	★★	3.85	-	-	-	-
Niagara-110 mm	C0262	C0767	6.0 / 3.0	3.83 / 1.91	2.17	36% / 1.09	36%	★★★★	2.55	4	4	3	3
Niagara-230 mm	C0293	C0767	6.0 / 3.0	3.93 / 1.89	2.07	35% / 1.11	37%	★★★★	2.57	4	4	3	3
Verve	C0296	C0762	6.0 / 3.0	5.76 / 2.91	0.24	4% / 0.09	3%	★★	3.86	-	-	-	-

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			Baseline	Rated	High	Low			IGBC Homes ¹	IGBC Factory Bldgs ²	LEED Bldgs ³	LEED NC&MR ⁴

III. Urinals:

E- Whiz	C0584	-	3.8	0.75	3.0	451%	-	-	★★★	0.75	-	4	4	4
E- Whiz	C0585	-	3.8	0.75	3.0	451%	-	-	★★★	0.75	-	4	4	4
Integrated-N	C0581	-	3.8	0.75	3.0	451%	-	-	★★★	0.75	-	4	4	4
Integrated-N	C0582	-	3.8	0.75	3.0	451%	-	-	★★★	0.75	-	4	4	4

1. IGBC Green Homes Rating System, Abridged Reference Guide, v 2.0, April 2012, WE Mandatory, Requirement 2, WE Credit 4
2. IGBC Green Factory Building Rating System, Abridged Reference Guide, July 2009 with August 2011 Addendum, WC Mandatory, Requirement 2, WC Credit 6; 3.0 Lpf is baseline for urinals.
3. LEED 2009 for Core & Shell Development Rating System, WE, Prerequisite 1, WE Credit 3
4. LEED 2009 for New Construction and Major Renovations Rating System, WE, Prerequisite 1, WE Credit 3

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