

Maximum Performance (MaP)[®] of Toilet Fixtures - High-Efficiency Flushometer Valve/Bowl Combinations

IMPORTANT NOTE: The evaluation and MaP measurement of the flushometer bowl/valve combinations shown below was performed using the existing MaP protocol designed for residential applications. A **more rigorous** MaP protocol for non-residential (public restroom) applications is under consideration. Performance results may change if the combinations shown below are re-tested using a (proposed) new commercial protocol.

November 7, 2023

MaP Report No. <small>(for internal use)</small>	<i>Flushometer bowl</i>										<i>Flushometer valve</i>							
	Manufacturer of the Bowl	Bowl/ Valve Combination Number (if available)	Bowl Model Name	Bowl Model Number	Spud	Rough-in (inches)*	Round (R) or Elongated (E) bowl	ADA Height Bowl	Rear Discharge (Back Outlet)	Floor- (F) OR Wall-Mounted (W)	WaterSense Compliant Bowl (certified)	Manufacturer of the Valve	Valve Model Number	MaP Performance Score	6-L (1.6-gal) Commercial Combination	4.8-L (1.28-gal) HET Commercial Combination Rated HET FULL Flush Volume	Valve design: D=Diaphragm; P=Piston	WaterSense Compliant Valve (certified)
High-Efficiency (HET) Flushometer Valve/Bowl Combinations (1.1 gallon/4.0 litre max Effective Flush Volume OR LESS)																		
55-023	American Standard		Madera 1.1 EL	2234	Top	10	E		F	WS	American Standard	6147.111 and 6147SM.111	1,000	HET	1.10	D		
55-026	American Standard		Afwall EC 1.1 EL (wall mount-ADA possible)	2257	Top	N.A.	E	ADA	R	W	WS	American Standard	6147.111 and 6147SM.111	1,000	HET	1.10	D	
30-075RN46-RN62	American Standard	2257511.020	Afwall Millennium 1.1 EL ADA	2257.101	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.111 (1.1 gpf)(battery)	1,000	HET	1.10	P	WS
30-075RN46-RN62	American Standard		Afwall Millennium 1.1 EL ADA	2634.101	Rear	N.A.	E	ADA	R	W	WS	American Standard	6065.111 (1.1 gpf)(battery)	1,000	HET	1.10	P	WS
55-020	American Standard		Madera 1.1 EL ADA	3043	Top	10	E	ADA		F	WS	American Standard	6147.111 and 6147SM.111	1,000	HET	1.10	D	
55-026	American Standard		Afwall EC 1.1 EL (wall mount-ADA possible)	3351	Top	N.A.	E	ADA	R	W	WS	American Standard	6147.111 and 6147SM.111	1,000	HET	1.10	D	
30-075RN46-RN62	American Standard	3351511.020	Afwall EC TS 1.1 EL ADA	3351.101	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.111 (battery)	1,000	HET	1.10	P	WS
30-075RN46-RN62	American Standard		Afwall EC Millennium 1.1 EL ADA	3353.101	Rear	N.A.	E	ADA	R	W	WS	American Standard	6065.111 (battery)	1,000	HET	1.10	P	WS
55-023	American Standard		Madera 1.1 EL	3451	Top	10	E			F	WS	American Standard	6147.111 and 6147SM.111	1,000	HET	1.10	D	
55-020	American Standard		Madera 1.1 EL ADA	3461	Top	10	E	ADA		F	WS	American Standard	6147.111 and 6147SM.111	1,000	HET	1.10	D	
40-017RN56	American Standard		Priolo EL	3690.001	Top	14	E		W	F	WS	American Standard	6065.111 (1.1 gpf)	1,000	HET	1.10	P	WS
41-003RN57	American Standard		Priolo EL	3690.001	Top	14	E		R	F	WS	American Standard	Flowise 1.1 6047.111 (manual)	1,000	HET	1.10	P	WS
40-015RN56	American Standard		Priolo EL ADA	3695.001	Top	14	E	ADA	R	F	WS	American Standard	6065.111 (1.1 gpf)	1,000	HET	1.10	P	WS
41-002RN57	American Standard		Priolo EL ADA	3695.001	Top	14	E	ADA	R	F	WS	American Standard	Flowise 1.1 6047.111 (manual)	1,000	HET	1.10	P	WS
32-039RN48-RN64	American Standard	3451511.020	Madera 1.1 EL	2234.001 (NOTE: also includes 2623.001, 2624.001, 3451.001, 3452.001, 3455.001)	Top	12	E			F	WS	American Standard	6065.111 (1.1 gpf)(battery)	1,000	HET	1.10	P	WS
41-005RN57	American Standard		Madera EL	2234.001 or 3451.001	Top	12	E			F	WS	American Standard	Flowise 1.1 6047.111 (manual)	1,000	HET	1.10	P	WS
41-001RN57	American Standard		Afwall EL ADA	2257.101 or 3351.101	Top	N.A.	E	ADA	R	W	WS	American Standard	Flowise 1.1 6047.111 (manual)	1,000	HET	1.10	P	WS
30-075RN46-RN62	American Standard		Afwall Millennium 1.1 EL ADA	2633.101 (w/BPL)	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.111 (1.1 gpf)(battery)	1,000	HET	1.10	P	WS
32-044RN48-RN64	American Standard	3461511.020	Madera 1.1 EL	3043.001 (NOTE: also includes 3248.001, 3249.001, 3461.001, 3462.001, 3463.001, 3464.001)	Top	12	E	ADA		F	WS	American Standard	6065.111 (1.1 gpf)(battery)	1,000	HET	1.10	P	WS
41-004RN57	American Standard		Madera EL ADA	3043.001 or 3461.001	Top	12	E	ADA		F	WS	American Standard	Flowise 1.1 6047.111 (manual)	1,000	HET	1.10	P	WS
30-075RN46-RN62	American Standard		Afwall EC Millennium 1.1 EL ADA	3352.101 (w/BPL)	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.111 (battery)	1,000	HET	1.10	P	WS
30-075RN46-RN62	American Standard		Afwall EC Millennium 1.1 EL ADA	3354.101 (rear outlet w/BPL)	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.111 (battery)	1,000	HET	1.10	P	WS
43-005RN59	AMTC	AEF**1012T11	None EL	AUT-1012	Top	10	E			F	WS	AMTC	AEF-801-**CT-11	800	HET	1.10	D	WS
43-005RN59	AMTC	HSM1012T11	None EL	AUT-1012	Top	10	E			F	WS	AMTC	HSM-801-CT-11	800	HET	1.10	D	WS
43-005RN59	AMTC	MF1012T11	None EL	AUT-1012	Top	10	E			F	WS	AMTC	MF-700-T11	800	HET	1.10	D	WS
43-004RN59	AMTC	AEF**1012AT11	None EL ADA	AUT-1012A	Top	10	E	ADA		F	WS	AMTC	AEF-801-**CT-11	800	HET	1.10	D	WS
43-004RN59	AMTC	HSM1012AT11	None EL ADA	AUT-1012A	Top	10	E	ADA		F	WS	AMTC	HSM-801-CT-11	800	HET	1.10	D	WS
43-004RN59	AMTC	MF1012AT11	None EL ADA	AUT-1012A	Top	10	E	ADA		F	WS	AMTC	MF-700-T11	800	HET	1.10	D	WS
43-003RN59	AMTC	AEF**1012WT11	None EL (wall mount-ADA possible)	AUT-1012W	Top	N.A.	E	ADA	R	W	WS	AMTC	AEF-801-**CT-11	800	HET	1.10	D	WS
43-003RN59	AMTC	HSM1012WT11	None EL (wall mount-ADA possible)	AUT-1012W	Top	N.A.	E	ADA	R	W	WS	AMTC	HSM-801-CT-11	800	HET	1.10	D	WS
43-003RN59	AMTC	MF1012WT11	None EL (wall mount-ADA possible)	AUT-1012W	Top	N.A.	E	ADA	R	W	WS	AMTC	MF-700-T11	800	HET	1.10	D	WS
69-019 & 51-005RN67	Contrac		Colter Commercial EL	4765BEU	Rear	10	E			F	WS	AMTC	MF-700-T11	1,000	HET	1.10	D	WS
69-016 & 51-004RN67	Contrac		Colter Commercial EL	4765BEX	Top	10	E			F	WS	AMTC	MF-700-T11	1,000	HET	1.10	D	WS
69-017 & 51-003RN67	Contrac		Clay Commercial EL ADA	4765BOU	Rear	10	E	ADA		F	WS	AMTC	MF-700-T11	1,000	HET	1.10	D	WS
69-018 & 51-002RN67	Contrac		Clay Commercial EL ADA	4765BOX	Top	10	E	ADA		F	WS	AMTC	MF-700-T11	1,000	HET	1.10	D	WS
71-005	Contrac		Clark EL	4765CEU	Rear		E	ADA	R	W	WS	AMTC	MF-700-T11	1,000	HET	1.10	D	WS
54-033RN70	Contrac		Clark Commercial EL (wall mount-ADA possible)	4765CEU	Rear	N.A.	E	ADA	R	W	WS	AMTC	MF-700-T11	800	HET	1.10	D	WS
71-004	Contrac		Clark EL	4765CEX	Top		E	ADA	R	W	WS	AMTC	MF-700-T11	1,000	HET	1.10	D	WS
54-032RN70	Contrac		Clark Commercial EL (wall mount-ADA possible)	4765CEX	Top	N.A.	E	ADA	R	W	WS	AMTC	MF-700-T11	800	HET	1.10	D	WS
46-041RN62	Duravit		Starck 3 (wall-mount - ADA possible)	222909	Top	N.A.	S	ADA	R	W	WS	Toto	TET 1LN-32	600	HET	1.10	P	WS
65-009	Gerber		North Point 1.1 EL ADA	G0025033(25-033)	top	N.A.	E	ADA	R	W		Zurn	Aquavantage Z6000AV-ONE	1,000	HET	1.10	D	WS
65-008	Gerber		North Point 1.1 RF	G0025642(25-642)	Back	10	R			F		Zurn	Aquavantage Z6000AV-ONE	1,000	HET	1.10	D	WS
65-007	Gerber		North Point 1.1 RF	G0025733(25-733)	Back	10	R			F		Zurn	Aquavantage Z6000AV-ONE	1,000	HET	1.10	D	WS
65-011	Gerber		North Point 1.1 R	G0025820(25-820)	Top	10	R			F		Zurn	Aquavantage Z6000AV-ONE	1,000	HET	1.10	D	WS

MaP Report No. <small>(for internal use)</small>	Flushometer bowl							Flushometer valve										
	Manufacturer of the Bowl	Bowl/ Valve Combination Number (if available)	Bowl Model Name	Bowl Model Number	Spud	Rough-in (inches)* <small>Round (R) or Elongated (E) bowl</small>	ADA Height Bowl	Rear Discharge (Back Outlet)	Floor- (F) OR Wall-Mounted (W)	WaterSense Compliant Bowl (certified)	Manufacturer of the Valve	Valve Model Number	MaP Performance Score	6-L (1.6-gal) Commercial Combination	4.8-L (1.28-gal) HET Commercial Combination	Rated HET FULL Flush Volume	Valve design: D=Diaphragm; P=Piston	WaterSense Compliant Valve (certified)

L - Litres per Flush
BPL - Bowl with Bed Pan Lugs