

# Maximum Performance (MaP)<sup>®</sup> of Toilet Fixtures - High-Efficiency (HET) 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.

**June 26, 2023**

MaP Report No. (for internal use)	Flushometer bowl										Flushometer valve									
	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)	
<b>High-Efficiency (HET) Flushometer Valve/Bowl Combinations (1.28 gallon/4.8 litre max Effective Flush Volume)</b>																				
55-024	American Standard		Madera 1.28 EL	2234	Top	10	E			F	WS	American Standard	6147.121 and 6147SM.121	1,000	HET	1.28	D			
23-077RN39-RN55	American Standard	2858128.020	Madera 1.28 EL	2234.001	Top		E			F	WS	American Standard	6047.121 (manual)	1,000	HET	1.28	P	WS		
17-032RN33-RN49-RN65	American Standard	2234528.020	Madera EL	2234.001	Top	10	E			F	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
55-027	American Standard		Afwall EC 1.28 EL (wall mount-ADA possible)	2257	Top	N.A.	E	ADA	R	W	WS	American Standard	6147.121 and 6147SM.121	1,000	HET	1.28	D			
23-076RN39-RN55	American Standard	2856128.020	Afwall 1.28 EL ADA	2257.101	Top	N.A.	E	ADA	R	W	WS	American Standard	6047.121 (manual)	1,000	HET	1.28	P	WS		
23-076RN39-RN55	American Standard	2859128.020	Afwall EC 1.28 EL ADA	2257.101	Top	N.A.	E	ADA	R	W	WS	American Standard	6047.121 (manual)	1,000	HET	1.28	P	WS		
17-031RN33-RN49-RN65	American Standard	2257528.020	Afwall EL ADA	2257.101	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
30-076RN46-RN62	American Standard		Afwall EL ADA (1.28 gal/flush)	2257.101	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
30-076RN46-RN62	American Standard		Afwall EL ADA (1.28 gal/flush)	2634.101	Rear	N.A.	E	ADA	R	W	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
55-021	American Standard		Madera 1.28 EL ADA	3043	Top	10	E	ADA		F	WS	American Standard	6147.121 and 6147SM.121	1,000	HET	1.28	D			
23-073RN39-RN55	American Standard	2857128.020	Madera 1.28 EL ADA	3043.001	Top		E	ADA		F	WS	American Standard	6047.121 (manual)	1,000	HET	1.28	P	WS		
17-033RN33-RN49-RN65	American Standard	3043528.020	Madera EL ADA	3043.001	Top	10	E	ADA		F	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
47-032RN63	American Standard		Huron	3341.001	Rear	N.A.	E	ADA	R	F	WS	American Standard	6065.121 (1.28 gpf)	1,000	HET	1.28	P	WS		
47-032RN63	American Standard		Huron	3342.001	Rear	N.A.	E	ADA	R	F	WS	American Standard	6065.121 (1.28 gpf)	1,000	HET	1.28	P	WS		
55-027	American Standard		Afwall EC 1.28 EL (wall mount-ADA possible)	3351	Top	N.A.	E	ADA	R	W	WS	American Standard	6147.121 and 6147SM.121	1,000	HET	1.28	D			
43-019RN59	American Standard		Afwall EC 1.1 EL (wall mount-ADA possible)	3351.001	Top	N.A.	E	ADA	R	W		Moen	8310AC16	600	HET	1.28	P			
10-134RN28-RN44-RN60	American Standard		Afwall FloWise EL	3351.101	Top	N.A.	E	ADA	R	W	WS	Sloan	111-1.28 (1-1/2")	800	HET	1.28	P			
23-076RN39-RN55	American Standard	2856128.020	Afwall EC 1.28 EL ADA (with EverClean)	3351.101	Top	N.A.	E	ADA	R	W	WS	American Standard	6047.121 (manual)	1,000	HET	1.28	P	WS		
17-031RN33-RN49-RN65	American Standard	3351528.020	Afwall EL ADA (with EverClean)	3351.101	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
30-076RN46-RN62	American Standard	3351528.020	Afwall EC TS EL ADA (1.28 gal/flush)	3351.101	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
30-076RN46-RN62	American Standard		Afwall EC EL ADA (1.28 gal/flush)	3351.101	Rear	N.A.	E	ADA	R	W	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
55-024	American Standard		Madera 1.28 EL	3451	Top	10	E			F	WS	American Standard	6147.121 and 6147SM.121	1,000	HET	1.28	D			
10-132RN28-RN44-RN60	American Standard		Madera FloWise EL	3451.001	Top	10	E			F	WS	Sloan	111-1.28 (1-1/2")	1,000	HET	1.28	P			
23-073RN39-RN55	American Standard	2855128.020	Madera 1.28 EL ADA (with EverClean)	3451.001	Top		E	ADA		F	WS	American Standard	6047.121 (manual)	1,000	HET	1.28	P	WS		
23-077RN39-RN55	American Standard	2855128.020	Madera EC 1.28 EL	3451.001	Top		E			F	WS	American Standard	6047.121 (manual)	1,000	HET	1.28	P	WS		
17-032RN33-RN49-RN65	American Standard	3451528.020	Madera EL (with EverClean)	3451.001	Top	10	E			F	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
55-021	American Standard		Madera 1.28 EL ADA	3461	Top	10	E	ADA		F	WS	American Standard	6147.121 and 6147SM.121	1,000	HET	1.28	D			
10-133RN28-RN44-RN60	American Standard		Madera FloWise EL ADA	3461.001	Top	10	E	ADA		F	WS	Sloan	111-1.28 (1-1/2")	1,000	HET	1.28	P			
23-073RN39-RN55	American Standard	2854128.020	Madera EC 1.28 EL ADA	3461.001	Top		E	ADA		F	WS	American Standard	6047.121 (manual)	1,000	HET	1.28	P	WS		
23-077RN39-RN55	American Standard	2854128.020	Madera 1.28 EL ADA (with EverClean)	3461.001	Top		E			F	WS	American Standard	6047.121 (manual)	1,000	HET	1.28	P	WS		
17-033RN33-RN49-RN65	American Standard	3461528.020	Madera EL ADA (with EverClean)	3461.001	Top	10	E	ADA		F	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
40-016RN56	American Standard		Priolo EL	3690.001	Top	14	E		W	F	WS	American Standard	6065.121 (1.28 gpf)	1,000	HET	1.28	P	WS		
13-092RN28-RN44-RN60	American Standard		Priolo EL ADA	3695.001	Top	N.A.	E	ADA	R	F	WS	Sloan	111-1.28 (1-1/2")	1,000	HET	1.28	P			
13-092RN28-RN44-RN60	American Standard		Priolo EL ADA	3697.001	Rear	N.A.	E	ADA	R	F	WS	Toto	TET 1 DNCR (1-1/2")	1,000	HET	1.28	P			
25-051RN41-RN57	American Standard		Baby Devoro FV Universal HET (child's bowl height: 10.4-inch = 260 mm)	2282.001-1.28 (child's bowl height: 10.4-inch = 260 mm)	Top				S	F	WS	American Standard	6065.121.002	800	HET	1.28	P	WS		
26-009RN42-RN58	American Standard		Madera Youth FloWise (youth bowl height: 14-inch = 355 mm)	2599.001 (youth bowl height: 14-inch = 355 mm)	Top		E			F	WS	American Standard	6065.525.002	800	HET	1.28	P	WS		
30-076RN46-RN62	American Standard		Afwall EL ADA (1.28 gal/flush)	2633.101 (w/BPL)	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.121.002 (battery)	1,000	HET	1.28	P	WS		
17-028RN33-RN49-RN65	American Standard		Huron EL ADA	3312.001 OR 3313.001 (bed pan lugs)	Top	12	E	ADA	R	F	WS	American Standard	6065.121.002	500	HET	1.28	P	WS		
17-028RN33-RN49-RN65	American Standard		Huron EL ADA	3312.001 OR 3313.001 (bed pan lugs) (UPC bar code 3305683469)	Top	12	E	ADA	R	F	WS	American Standard	6047.121 (manual)	500	HET	1.28	P	WS		

MaP Report No. (for internal use)	Flushometer bowl										Flushometer valve								
	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: P=Pliston D=Diaphragm	WaterSense Compliant Valve (certified)
10-134RN28-RN44-RN60	American Standard		Afwall FloWise EL	3352.101 (w/bedpan lugs)	Top	N.A.	E	ADA	R	W	WS	Sloan	111-1.28 (1-1/2")	800		HET	1.28	P	
30-076RN46-RN62	American Standard		Afwall EC EL ADA (1.28 gal/flush)	3352.101 (w/BPL)	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.121.002 (battery)	1,000		HET	1.28	P	WS
30-076RN46-RN62	American Standard		Afwall EC EL ADA (1.28 gal/flush)	3354.101 (rear outlet w/BPL)	Top	N.A.	E	ADA	R	W	WS	American Standard	6065.121.002 (battery)	1,000		HET	1.28	P	WS
10-132RN28-RN44-RN60	American Standard		Olimpico Flux EC 1.1 EL ADA	34515001MX	Top	10	E			F		Sloan	111-1.28 (1-1/2")	1,000		HET	1.28	P	
10-132RN28-RN44-RN60	American Standard		Madera FloWise EL	3452.001 (w/bedpan lugs)	Top	10	E			F	WS	Sloan	111-1.28 (1-1/2")	1,000		HET	1.28	P	
10-133RN28-RN44-RN60	American Standard		Madera FloWise EL ADA	3462.001 (w/bedpan lugs)	Top	10	E	ADA		F	WS	Sloan	111-1.28 (1-1/2")	1,000		HET	1.28	P	
13-092RN28-RN44-RN60	American Standard		Priolo EL ADA	3696.001 (w/bed pan lugs)	Top	N.A.	E	ADA	R	F	WS	Sloan	111-1.28 (1-1/2")	1,000		HET	1.28	P	
13-092RN28-RN44-RN60	American Standard		Priolo EL ADA	3698.001 (w/ bed pan lugs)	Rear	N.A.	E	ADA	R	F	WS	Toto	TET 1 DNCR (1-1/2")	1,000		HET	1.28	P	
43-005RN59	AMTC	AEF**1012T12	None EL	AUT-1012	Top	10	E			F	WS	AMTC	AEF-801-CT-12	800		HET	1.28	D	WS
43-005RN59	AMTC	HSM1012T12	None EL	AUT-1012	Top	10	E			F	WS	AMTC	HSM-801-CT-12	800		HET	1.28	D	WS
43-005RN59	AMTC	MF1012T12	None EL	AUT-1012	Top	10	E			F	WS	AMTC	MF-700-T12	800		HET	1.28	D	WS
43-004RN59	AMTC	AEF**1012AT12	None EL ADA	AUT-1012A	Top	10	E	ADA		F	WS	AMTC	AEF-801-CT-12	800		HET	1.28	D	WS
43-004RN59	AMTC	HSM1012AT12	None EL ADA	AUT-1012A	Top	10	E	ADA		F	WS	AMTC	HSM-801-CT-12	800		HET	1.28	D	WS
43-004RN59	AMTC	MF1012AT12	None EL ADA	AUT-1012A	Top	10	E	ADA		F	WS	AMTC	MF-700-T12	800		HET	1.28	D	WS
43-003RN59	AMTC	AEF**1012WT12	None EL (wall mount-ADA possible)	AUT-1012W	Top	N.A.	E	ADA	R	W	WS	AMTC	AEF-801-CT-12	800		HET	1.28	D	WS
43-003RN59	AMTC	HSM1012WT12	None EL (wall mount-ADA possible)	AUT-1012W	Top	N.A.	E	ADA	R	W	WS	AMTC	HSM-801-CT-12	800		HET	1.28	D	WS
43-003RN59	AMTC	MF1012WT12	None EL (wall mount-ADA possible)	AUT-1012W	Top	N.A.	E	ADA	R	W	WS	AMTC	MF-700-T12	800		HET	1.28	D	WS
16-045RN32-RN48-RN64	Briggs		Carlton EL	7711	Top		E			F		Sloan	Royal 111-1.28	800		HET	1.28	D	WS
45-001RN61	Briggs		None RF	7751	Back	12	R		R	F		Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
16-166RN32-RN48-RN64	Briggs		Sultan EL ADA	7781	Top	10	E	ADA	R	W		Sloan	Royal 111-1.28	800		HET	1.28	D	WS
50-041RN66	Briggs		None EL ADA	7791	Top	N.A.	E	ADA		F		Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
60-039	Compass		Canton EL	572-7484	Top	12	E			F		Sloan	Royal 940-1.28	1,000		HET	1.28	D	WS
60-038	Compass		Canton EL ADA	572-7485	Top	12	E	ADA		F		Sloan	Royal 940-1.28	1,000		HET	1.28	D	WS
60-037	Compass		Canton EL (wall mount-ADA possible)	572-7490	Top	N.A.	E	ADA	R	W		Sloan	Royal 940-1.28	1,000		HET	1.28	D	WS
16-139RN32-RN48-RN64	Contrac		Colter EL	4762BEU	Rear		E			F		Sloan	Royal 111-1.28	600		HET	1.28	D	WS
34-003RN50-RN66	Contrac		Colter Commercial EL	4762BEX	Top		E			F		Delta	81T201-48	1,000		HET	1.28	D	WS
64-011	Contrac		Deblin HET (child's bowl height: 10.8-inch = 275 mm)	4762BKX	Top	10	E				WS	Moen	8310M128	800		HET	1.28	P	WS
16-138RN32-RN48-RN64	Contrac		Clay EL	4762BOU	Rear		E			F		Sloan	Royal 111-1.28	550		HET	1.28	D	WS
34-002RN50-RN66	Contrac		Clay Commercial EL ADA	4762BOX	Top		E	ADA		F		Delta	81T201-48	1,000		HET	1.28	D	WS
62-001 & 53-009	Contrac		Clark EL (wall mount-ADA possible)	4762CEU	Rear	N.A.	E	ADA	R	W	WS	Moen	8310M128	1,000		HET	1.28	P	WS
34-001RN50-RN66	Contrac		Clark Commercial EL (wall mount-ADA possible)	4762CEX	Top	N.A.	E	ADA	R	W	WS	Delta	81T201-48	1,000		HET	1.28	D	WS
53-010RN69 & 43-018	Contrac		Clark Commercial EL (wall mount-ADA possible)	4762CEX	Top	N.A.	E	ADA	R	W	WS	Moen	8310M128	800		HET	1.28	P	WS
56-023	Duravit		Starck 3 (wall-mount - ADA possible)	222909	Top	N.A.	S	ADA	R	W	WS	Toto	TET 11N-32	600		HET	1.28	P	WS
46-040RN62	Duravit		Starck 3 (wall-mount - ADA possible)	256009	Back	N.A.	S	ADA	R	W	WS	Toto	TET 2LN-31	600		HET	1.28	P	WS
56-022	Duravit		Starck 3 (wall-mount - ADA possible)	256009	Back	N.A.	S	ADA	R	W	WS	Toto	TET 2LN-31	600		HET	1.28	P	WS
44-093RN60	Gerber		None EL (wall mount-ADA possible)	25-033	Top	N.A.	E	ADA	R	W	WS	Sloan	116-1.28	600		HET	1.28	D	
22-030RN38-RN54	Gerber		North Point 1.28 EL ADA	25-733	Top		E	ADA		F	WS	Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
22-029RN38-RN54	Gerber		North Point 1.28 EL	25-833	Top		E			F	WS	Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
22-014RN38-RN54	Gerber		North Point Jr. 1.28 RF (Youth size bowl height: 13.4" = 340mm)	25-872 (Youth size bowl height: 13.4" = 340mm)	Top		E			F		Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
22-028RN38-RN54	Gerber		North Point 1.28 EL ADA	25-878	Top	N.A.	E	ADA	R	F		Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
34-001RN50-RN66	Hajoca Mainline		Commercial EL (wall mount-ADA possible)	MLS10409	Top	N.A.	E	ADA	R	W		Delta	81T201-48	1,000		HET	1.28	D	WS
18-002RN36-RN52-RN68	Kohler		Anglesey EL ADA	K-4352	Top		E	ADA		F	WS	Kohler	K-10956-CP	1,000		HET	1.28	P	
23-054RN39-RN55	Kohler		Anglesey CH EL ADA	K-4352	Top	N.A.	E	ADA	R	F	WS	Kohler	K-13517 (manual actuation)	1,000		HET	1.28	P	WS
46-050RN62	Kohler		Wellcome Ultra EL	K-96054	Rear	12	E			F	WS	Kohler	K-13517-CP	1,000		HET	1.28	P	WS
46-051RN62	Kohler		Highcliff Ultra EL ADA	K-96058	Rear	12	E	ADA		F	WS	Kohler	K-13517-CP	1,000		HET	1.28	P	WS
46-059RN62	Kohler		Primary RF (child's bowl height: 10.5-inch = 267 mm)	K-96064	Top	10	R			F	WS	Kohler	K-13517 (manual actuation)	800		HET	1.28	P	WS
15-080RN31-RN47-RN63	Mansfield		Erie EL (wall mount-ADA possible)	1301	Rear	N.A.	E	ADA	R	W		Zurn	ZTS6200EV	1,000		HET	1.28	P	
27-012RN43-RN59	Mansfield		Baltic EL	1311	Top		E			F		Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
27-018RN43-RN59	Mansfield		Baltic EL	1311	Rear		E			F		Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
18-055RN36-RN52	Mansfield		Huron EL (rear outlet)	1312	Top	N.A.	E			R	F	Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
27-017RN43-RN59	Mansfield		Huron EL ADA Floor Mount Rear Outlet	1313	Top	N.A.	E	ADA	R	F		Sloan	Royal 111-1.28	800		HET	1.28	D	WS

MaP Report No. (for internal use)	Flushometer bowl										Flushometer valve								
	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)
15-079RN31-RN47-RN63	Mansfield		Adriatic EL ADA	1319	Top		E	ADA				American Standard	6065.121	1,000		HET	1.28	P	WS
27-013RN43-RN59	Mansfield		Adriatic EL ADA	1319	Rear		E	ADA		F		Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
15-081RN31-RN47-RN63	Mansfield		Erie EL (wall mount-ADA possible)	1301BPL (with bedpan lugs)	Top	N.A.	E	ADA	R	W		Zurn	ZTS6200EV	1,000		HET	1.28	P	
15-078RN31-RN47-RN63	Mansfield		Adriatic EL ADA	1319BPL (with bedpan lugs)	Top		E	ADA		F		American Standard	6065.121	1,000		HET	1.28	P	WS
28-064RN44-RN60	PROFLO (Ferguson brand)		ProFlo RF (child's bowl height: 10-inch = 254 mm)	PF1700BBHE (child's bowl height: 10-inch = 254 mm)	Top		R			F	WS	Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
36-015RN53-RN69	Sloan Valve		EL	ST2009	Top	10	E			F	WS	Sloan	Crown 111-1.28	1,000		HET	1.28	P	WS
36-014RN53-RN69	Sloan Valve		EL	ST2009	Top	10	E			F	WS	Sloan	ECOS 8111-1.28	1,000		HET	1.28	D	WS
36-013RN53-RN69	Sloan Valve		EL	ST2009	Top	10	E			F	WS	Sloan	ECOS HW 111-1.28	1,000		HET	1.28	D	WS
36-011RN53-RN69	Sloan Valve		EL	ST2009	Top	10	E			F	WS	Sloan	G2 Optima Plus 8111-1.28	1,000		HET	1.28	D	WS
36-009RN53-RN69	Sloan Valve		EL	ST2009	Top	10	E			F	WS	Sloan	Gem 2 111-1.28	1,000		HET	1.28	P	
36-007RN53-RN69	Sloan Valve		EL	ST2009	Top	10	E			F	WS	Sloan	Solis 8111-1.28	1,000		HET	1.28	D	WS
36-031RN53-RN69	Sloan Valve		EL ADA	ST2029	Top	10	E	ADA		F	WS	Sloan	Crown 111-1.28	1,000		HET	1.28	P	WS
36-029RN53-RN69	Sloan Valve		EL ADA	ST2029	Top	10	E	ADA		F	WS	Sloan	ECOS 8111-1.28	1,000		HET	1.28	D	WS
36-030RN53-RN69	Sloan Valve		EL ADA	ST2029	Top	10	E	ADA		F	WS	Sloan	ECOS HW 111-1.28	1,000		HET	1.28	D	WS
36-027RN53-RN69	Sloan Valve		EL ADA	ST2029	Top	10	E	ADA		F	WS	Sloan	G2 Optima Plus 8111-1.28	1,000		HET	1.28	D	WS
36-025RN53-RN69	Sloan Valve		EL ADA	ST2029	Top	10	E	ADA		F	WS	Sloan	Gem 2 111-1.28	1,000		HET	1.28	P	
36-023RN53-RN69	Sloan Valve		EL ADA	ST2029	Top	10	E	ADA		F	WS	Sloan	Solis 8111-1.28	1,000		HET	1.28	D	WS
36-040RN53-RN69	Sloan Valve		EL ADA	ST2229	Top	12	E	ADA		F	WS	Sloan	Crown 111-1.28	1,000		HET	1.28	P	WS
36-039RN53-RN69	Sloan Valve		EL ADA	ST2229	Top	12	E	ADA		F	WS	Sloan	ECOS 8111-1.28	1,000		HET	1.28	D	WS
36-038RN53-RN69	Sloan Valve		EL ADA	ST2229	Top	12	E	ADA		F	WS	Sloan	ECOS HW 111-1.28	1,000		HET	1.28	D	WS
36-036RN53-RN69	Sloan Valve		EL ADA	ST2229	Top	12	E	ADA		F	WS	Sloan	G2 Optima Plus 8111-1.28	1,000		HET	1.28	D	WS
36-034RN53-RN69	Sloan Valve		EL ADA	ST2229	Top	12	E	ADA		F	WS	Sloan	Gem 111-1.28	1,000		HET	1.28	P	WS
32-117RN48-RN64	Sloan Valve		Efficiency Series EL ADA	ST2229	Top		E	ADA		F	WS	Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
36-042RN53-RN69	Sloan Valve		Efficiency Series EL ADA	ST2229	Top	12	E	ADA		F	WS	Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
36-032RN53-RN69	Sloan Valve		Efficiency Series EL ADA	ST2229	Top	12	E	ADA		F	WS	Sloan	Solis 8111-1.28	1,000		HET	1.28	D	WS
32-114RN48-RN64	Sloan Valve		Efficiency Series (child's bowl height: 10.5-inch = 267 mm)	ST2309 (child's bowl height: 10.5-inch = 267 mm)	Top	10				F	WS	Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
41-026RN57	Sloan Valve		EL (wall mount-ADA possible)	ST2469	Rear	N.A.	E	ADA	R	W	WS	Sloan	Royal 152-1.28	1,000		HET	1.28	D	WS
51-014RN67	Toto		EL	CT705E or CT705U	Top	12	E			F	WS	Toto	TET 1LA32 OR TET 6LA32 OR TET2LA31/32/33 OR TET3LA31/32/33	800		HET	1.28	P	WS
42-001RN58	Toto		EL	CT705ELN*	Top	12	E	ADA		F	WS	Toto	TET 1LA32 OR TET 6LA32 OR TET2LA31/32/33 OR TET3LA31/32/33	800		HET	1.28	P	WS
13-040RN28-RN44-RN60	Toto		EL ADA	CT705ELN*	Top	N.A.	E	ADA		F	WS	Toto	TMT 1LN-32 (manual valve)	1,000		HET	1.28	P	
42-001RN58	Toto		EL	CT705EN*	Top	12	E			F	WS	Toto	TET 1LA32 OR TET 6LA32 OR TET2LA31/32/33 OR TET3LA31/32/33	800		HET	1.28	P	WS
13-039RN28-RN44-RN60	Toto		EL	CT705EN*	Top	N.A.	E			F	WS	Toto	TMT 1LN-32 (manual valve)	1,000		HET	1.28	P	
13-039RN28-RN44-RN60	Toto		EL	CT705EN*	Top	N.A.	E			F	WS	Toto	TMT 1LN-32 (manual valve)	1,000		HET	1.28	P	
66-029	Toto		EL ADA	CT705ULN OR CT705ULNG OR CT705UN, OR CT705UNG	Top	12	E	ADA		F	WS	Toto	TET 1UB32, TET 6UB32, TET 2UB32/32/33, OR TET 3UB32/32/33	800		HET	1.28	P	WS
51-013RN67	Toto		EL (wall mount-ADA possible)	CT708E*	Top	N.A.	E	ADA	R	W	WS	Toto	TET 1LA32 OR TET 6LA32 OR TET2LA31/32/33 OR TET3LA31/32/33	1,000		HET	1.28	P	WS
13-041RN28-RN44-RN60	Toto		EL (wall mount-ADA possible)	CT708E*	Top	N.A.	E	ADA	R	W	WS	Toto	TMT 1LN-32 (manual valve)	1,000		HET	1.28	P	
13-042RN28-RN44-RN60	Toto		EL (wall mount-ADA possible)	CT708EV	Rear	N.A.	E	ADA	R	W	WS	Toto	TMT 1LN-32 (manual valve)	1,000		HET	1.28	P	
66-028	Toto		EL (wall mount-ADA possible)	CT708UG OR CT708U OR CT708UV OR CT708UVG	Top	N.A.	E			W	WS	Toto	TET1LB(32), TET6LB(32), TET2LB(31, 32), OR TET3LB(31, 32, 33)	1,000		HET	1.28	P	WS
28-064RN44-RN60	Tynan		Brady RF (child's bowl height: 10-inch = 254 mm)	4505HE (child's bowl height: 10-inch = 254 mm)	Top		R			F	WS	Sloan	Royal 111-1.28	1,000		HET	1.28	D	WS
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	Z6000AV-HET	800		HET	1.28	D	WS

MaP Report No. (for internal use)	Flushometer bowl									Flushometer valve									
	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)	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	Z6000PL-HET	800		HET	1.28	D	
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	Z6200-HET	800		HET	1.28	P	WS
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	Z6200PL-HET	800		HET	1.28	P	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000AV-HET	800		HET	1.28	D	WS
21-089RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000AV-HET-IS	800		HET	1.28	D	WS
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000AV-HET-IS	800		HET	1.28	D	WS
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000PL-HET	800		HET	1.28	D	
21-089RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000PL-HET-IS	800		HET	1.28	D	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000PL-HET-IS	800		HET	1.28	D	
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6200-HET	800		HET	1.28	D	WS
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6200-HET-IS	800		HET	1.28	D	WS
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6200PL-HET	800		HET	1.28	D	
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6200PL-HET-IS	800		HET	1.28	D	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZER6000AV-HET	800		HET	1.28	D	WS
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZER6000PL-HET	800		HET	1.28	D	
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZER6200-HET	800		HET	1.28	P	
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZER6200PL-HET	800		HET	1.28	P	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZR6000AV-HET	800		HET	1.28	D	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZR6000PL-HET	800		HET	1.28	D	
36-104RN52-RN58	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZTR6200EV	1,000		HET	1.28	P	WS
12-043RN28-RN44-RN60	Zurn		EL (wall mount-ADA possible)	Z5615-BWL (wall-hung-back outlet)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZTS6200EV	800		HET	1.28	P	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	Z6000AV-HET	800		HET	1.28	D	WS
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	Z6000PL-HET	800		HET	1.28	D	
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	Z6200-HET	800		HET	1.28	P	WS
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	Z6200PL-HET	800		HET	1.28	P	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000AV-HET	800		HET	1.28	D	WS
21-089RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000AV-HET-IS	800		HET	1.28	D	WS
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000AV-HET-IS	800		HET	1.28	D	WS
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000PL-HET	800		HET	1.28	D	
21-089RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000PL-HET-IS	800		HET	1.28	D	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6000PL-HET-IS	800		HET	1.28	D	
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6200-HET	800		HET	1.28	D	WS
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6200-HET-IS	800		HET	1.28	D	WS
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6200PL-HET	800		HET	1.28	D	
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZEM6200PL-HET-IS	800		HET	1.28	D	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZER6000AV-HET	800		HET	1.28	D	WS
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZER6000PL-HET	800		HET	1.28	D	
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZER6200-HET	800		HET	1.28	P	
21-088RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZER6200PL-HET	800		HET	1.28	P	
21-090RN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZR6000AV-HET	800		HET	1.28	D	

MaP Report No. (for internal use)	Flushometer bowl										Flushometer valve								
	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)
21-090rRN37-RN53-RN69	Zurn		EL (wall mount-ADA possible)	Z5616-BWL (wall-hung-back outlet with BPL)	Top	N.A.	E	ADA	R	W	WS	Zurn	ZR6000PL-HET	800		HET	1.28	D	
52-002RN68	Zurn		Ecovantage EL (wall mount-ADA possible)	Z5617-BWL	Rear	N.A.	E	ADA	R	W	WS	Zurn	Z61****-HET	1,000		HET	1.28	D	WS
52-003RN68	Zurn		Ecovantage EL (wall mount-ADA possible)	Z5617-BWL	Rear	N.A.	E	ADA	R	W	WS	Zurn	Z62****-HET	1,000		HET	1.28	P	WS
52-002RN68	Zurn		Ecovantage EL (wall mount-ADA possible)	Z5617-BWL	Rear	N.A.	E	ADA	R	W	WS	Zurn	ZEMS61****-HET	1,000		HET	1.28	D	WS
52-003RN68	Zurn		Ecovantage EL (wall mount-ADA possible)	Z5617-BWL	Rear	N.A.	E	ADA	R	W	WS	Zurn	ZEMS62****-HET	1,000		HET	1.28	P	WS
52-002RN68	Zurn		Ecovantage EL (wall mount-ADA possible)	Z5617-BWL	Rear	N.A.	E	ADA	R	W	WS	Zurn	ZER61****-HET	1,000		HET	1.28	D	WS
52-003RN68	Zurn		Ecovantage EL (wall mount-ADA possible)	Z5617-BWL	Rear	N.A.	E	ADA	R	W	WS	Zurn	ZER62****-HET	1,000		HET	1.28	P	WS
52-002RN68	Zurn		Ecovantage EL (wall mount-ADA possible)	Z5617-BWL	Rear	N.A.	E	ADA	R	W	WS	Zurn	ZH61****-HET	1,000		HET	1.28	D	WS
52-003RN68	Zurn		Ecovantage EL (wall mount-ADA possible)	Z5617-BWL	Rear	N.A.	E	ADA	R	W	WS	Zurn	ZH62****-HET	1,000		HET	1.28	P	WS
31-047RN47-RN63	Zurn		EcoVantage EL	Z5635-BWL (back outlet)	Top	N.A.	E		R	F		Zurn	Z6000AV-HET (manual)	800		HET	1.28	D	WS
31-046RN47-RN63	Zurn		EcoVantage EL	Z5635-BWL (back outlet)	Top	N.A.	E		R	F		Zurn	ZTR6200EV	800		HET	1.28	P	WS
31-045RN47-RN63	Zurn		EcoVantage EL	Z5637-BWL (back outlet)	Rear	N.A.	E		R	F		Zurn	Z6000AV-HET (manual)	800		HET	1.28	D	WS
31-044RN47-RN63	Zurn		EcoVantage EL	Z5637-BWL (back outlet)	Rear	N.A.	E		R	F		Zurn	ZTR6200EV	800		HET	1.28	P	WS
30-063RN46-RN62	Zurn		EcoVantage EL ADA	Z5645-BWL (back outlet, with BPL)	Top	N.A.	E	ADA	R	F		Zurn	Z6000AV-HET (manual)	800		HET	1.28	D	WS
30-062RN46-RN62	Zurn		EcoVantage EL ADA	Z5645-BWL (back outlet, with BPL)	Top	N.A.	E	ADA	R	F		Zurn	ZTR6200EV	800		HET	1.28	P	WS
30-063RN46-RN62	Zurn		EcoVantage EL ADA	Z5645-BWL (back outlet)	Top	N.A.	E	ADA	R	F		Zurn	Z6000AV-HET (manual)	800		HET	1.28	D	WS
30-062RN46-RN62	Zurn		EcoVantage EL ADA	Z5645-BWL (back outlet)	Top	N.A.	E	ADA	R	F		Zurn	ZTR6200EV	800		HET	1.28	P	WS
30-065RN46-RN62	Zurn		EcoVantage EL ADA	Z5647-BWL (back outlet)	Rear	N.A.	E	ADA	R	F		Zurn	Z6000AV-HET (manual)	800		HET	1.28	D	WS
30-064RN46-RN62	Zurn		EcoVantage EL ADA	Z5647-BWL (back outlet)	Rear	N.A.	E	ADA	R	F		Zurn	ZTR6200EV	800		HET	1.28	P	WS
41-013RN57	Zurn		EL	Z5655-BWL1	Top	12	E	ADA		F	WS	Zurn	ZTR6200EV	1,000		HET	1.28	P	WS
41-013RN57	Zurn		EL	Z5656-BWL1 w/BPL	Top	12	E	ADA		F	WS	Zurn	ZTR6200EV	1,000		HET	1.28	P	WS
41-013RN57	Zurn		EL	Z5657-BWL1 w/AM glaze	Rear	12	E	ADA		F	WS	Zurn	ZTR6200EV	1,000		HET	1.28	P	WS
12-042RN28-RN44-RN60	Zurn		EL ADA	Z5665-BWL HET	Top	12	E	ADA		F	WS	Zurn	ZTS6200EV	1,000		HET	1.28	P	
41-012RN57	Zurn		EL ADA	Z5665-BWL1	Top	12	E	ADA		F	WS	Zurn	ZTR6200EV	1,000		HET	1.28	P	WS
41-012RN57	Zurn		EL ADA	Z5666-BWL1 w/BPL	Top	12	E	ADA		F	WS	Zurn	ZTR6200EV	1,000		HET	1.28	P	WS
41-012RN57	Zurn		EL ADA	Z5667-BWL1 w/AM glaze	Rear	12	E	ADA		F	WS	Zurn	ZTR6200EV	1,000		HET	1.28	P	WS

Notes: \*-Rough-in dimension shown is the actual dimension of the tested installation; some bowls on this list may accommodate BOTH 10-inch and 12-inch rough-in

RF - Round-front toilet bowl

EL - Elongated-front toilet bowl

N.A. - Wall (rear) outlet bowl. Rough-in dimension is NOT applicable.

S - Special bowl height for child installations as follows:

Amer Std Approx. 10.4 inches to 14 inches (260 to 355 mm)

Gerber Approx. 13.4 inches (340 mm)

ADA-Meets bowl-height requirements of Americans with Disabilities Act; does NOT imply that fixture meets any other ADA requirements.

G - Gallons per Flush

L - Litres per Flush

BPL - Bowl with Bed Pan Lugs