



Automatic Flush Valves

• 1 1/2" rough-in

For information on standards, go to Grainger.com.



Dual Flush Retrofit Kit 2VEF9

Dual-Flush—Detect user presence and duration to determine more-efficient effective flush volume—reduced cycle for liquid waste; full cycle for solid waste. Split-button design allows manual activation of either cycle. Include control module, flex tube diaphragm, installation strap wrench, screwdriver device, and 2 instructional wall plates.

Retrofit Kits—Top mount kits fit all Sloan valve assemblies and do not include valve body, tailpiece, or control stop. They allow a flushometer to be converted from manual to automatic operation for hands-free flushing. Include a full diaphragm assembly.

ECOS/G2—Install exposed, battery-powered, sensor-operated flush valves on floor-mounted or wall-hung top spud bowls to help meet ADA requirements. Features include 3-sec. flush delay, manual override button, unit reset, and unit shutdown. 3-yr. warranty. Urinal models have courtesy flush 24 hr. after last flushing cycle. Full units include valve body, tailpiece, and control stop.

SOLIS—Automatic, sensor-operated flush valves use photovoltaic technology to convert just about any natural or artificial light source into power; no need for electricity. Include LED low-battery indicator, instructional wall plates, vandal-resistant stop cap, and manual override.



Brand and Series	Gal. per Flush	Spud Coupling	Battery Mfr. Model	Item No.	Solar Mfr. Model	Solar Item No.
Toilet Automatic Flush Valve, Inlet: 1 in IPS						
Sloan ECOS	1.1, 1.28, 1.6	1 1/2 in	ECOS 8111	2VEF7	—	—
Sloan G2	1.28, 1.6	1 1/2 in	G2 8111-1.28	2VED5	—	—
	1.6	1 1/2 in	G2 8111	3UU62†	—	—
	3.5	1 1/2 in	G2 8110	3UU61†	—	—
Sloan Solis	1.1, 1.28, 1.6	1 1/2 in	—	—	Solis 8111-1.6/1.1	3ETX8
	1.28	1 1/2 in	—	—	Solis 8111-1.28	3ETX6
	1.6	1 1/2 in	—	—	Solis 8111-1.6	3ETX7
Urinal Automatic Flush Valve, Inlet: 3/4 in IPS						
Sloan ECOS	0.125, 0.25, 0.5	3/4 in	ECOS 8186-0.13 OR 8186-0.25 OR 8186-0.5	6UYL5†	—	—
Sloan G2	1, 1.5	3/4 in	G2 8186-1 OR 8186	3UU64†	—	—
Sloan Solis	0.5, 1, 1.5	3/4 in	—	—	Solis 8186-0.5	5XTG6
			—	—	Solis 8186-1	3ETX9
			—	—	Solis 8186-1.5	3ET4

Brand and Series	For Use With	Gal. per Flush	Flush Mode*	Battery Life Year @ Flushes per Month	Battery Mfr. Model	Item No.	Solar Mfr. Model	Solar Item No.
Toilet Automatic Flush Valve Retrofit Kit, Sensor Range: 15 in to 30 in								
Sloan	Exposed Flushometers	1.1, 1.28, 1.6	SF	6 yr	EBV1004A	3ETV5	—	—
Toilet Automatic Flush Valve Retrofit Kit, Sensor Range: 22 in to 42 in								
Sloan	Sloan OPTIMA Flushometers	1.1, 1.28, 1.6	SF	6 yr @ 4000	—	—	EBV1005A	4FEZ5
	Sloan OPTIMA Flushometers	1.6	SF	6 yr @ 4000	—	—	EBV1007A	4FEZ7
Sloan ECOS	Exposed Flushometers	1.1, 1.28, 1.6	Dual Flush	3 yr @ 3000	ECOS RESS-C 1.6/1.1	2VEF9	—	—
Sloan G2	Sloan Exposed Closet Flushometers	1.6, 3.5	SF	3 yr @ 4000	RESS-C	3UU59	—	—
Sloan Solis	Sloan Exposed Closet Flushometers	1.1, 1.28, 1.6	Dual Flush	6 yr @ 4000	—	—	Solis DF RESS-C-1.6/1.1	3ETV5
	Sloan Exposed Closet Flushometers	1.28	SF	6 yr @ 4000	—	—	Solis RESS-C-1.28	3ETV1
	Sloan Exposed Closet Flushometers	1.6	SF	6 yr @ 4000	—	—	Solis RESS-C-1.6	3ETV2
Urinal Automatic Flush Valve Retrofit Kit, Sensor Range: 15 in to 30 in								
Sloan G2	Regal Pro and Regal Flushometers, Sloan Royal	0.25	SF	3 yr @ 4000	G2 RESS-U-0.25	5XTG5	—	—
	Regal Pro and Regal Flushometers, Sloan Royal	0.5	SF	3 yr @ 4000	G2 RESS-U-0.5	5XTG4	—	—
	Sloan Exposed Urinal Flushometers	1.0, 1.28, 1.5	SF	3 yr @ 4000	G2 RESS-U	3UU60	—	—
Sloan Solis	Regal Pro and Regal Flushometers, Sloan Royal	0.25	SF	6 yr @ 4000	—	—	Solis RESS-U-0.25	5XTG9
	Regal Pro and Regal Flushometers, Sloan Royal	0.5	SF	6 yr @ 4000	—	—	Solis RESS-U 0.5	5XTG8
	Sloan Exposed Urinal Flushometers	1.0, 1.28, 1.5	Dual Flush	6 yr @ 4000	—	—	Solis RESS-U	3ETV3
Urinal Automatic Flush Valve Retrofit Kit, Sensor Range: 22 in to 42 in								
Sloan	Sloan OPTIMA Flushometers	1.0	SF	6 yr @ 4000	—	—	EBV1006A	4FEZ6

* SF = single flush. † Include 4 AA batteries.



American Standard

Automatic Side-Mount Flush Valves

• 1 1/2" rough-in

Battery powered valves can be used with floor-mounted or wall-hung top and spud bowls. Suitable for left- or right-hand supply; include valve body, tailpiece, control stop, and 4 C batteries. User-friendly 3-sec. delay. 5-yr. manufacturer's warranty, except Zurn models are 3 yr. only. ADA compliant when properly installed. All models meet ASSE 1037, ANSI/ASME A112.19.2, except Zurn models.



Toilet 2VEH8

Gal. per Flush	Spud Coupling	Brand	Mfr. Model	Item No.
Toilet Automatic Flush Valve, Inlet: 1 in IPS				
1.28	1 1/2 in	Sloan	SLOAN 111-1.28 DFB SMO	5XTF9
	1 1/2 in	Zurn	ZER6000PL-HET-CPM	5WYH1
1.6	1 1/2 in	Sloan	Sloan 111 DFB SMO	2LRZ4
	1 1/2 in	Zurn	ZER6000AV-WST-CPM	2VEH9
3.5	1 1/2 in	Sloan	Sloan 110 DFB SMO	2LRZ5
	1 1/2 in	Zurn	ZER6000AV-CPM	2VEH8
Urinal Automatic Flush Valve, Inlet: 3/4 in IPS				
0.5	3/4 in	Sloan	SLOAN 186-0.5 DFB SMO	5XTG0
	1 1/2 in	Amer. Std.	6045SM051.002	448N76
1	3/4 in	Sloan	Sloan 186-1 DFB SMO	2LRZ6
	3/4 in	Zurn	ZER6003AV-WST-CPM	2VEJ2
0.125	3/4 in	Zurn	ZER6003AV-ULF-CPM	6RKG8
1.5	3/4 in	Sloan	Sloan 186 DFB SMO	2LRZ7
	3/4 in	Zurn	ZER6003AV-CPM	2VEJ1

Manual Piston-Type Flush Valves

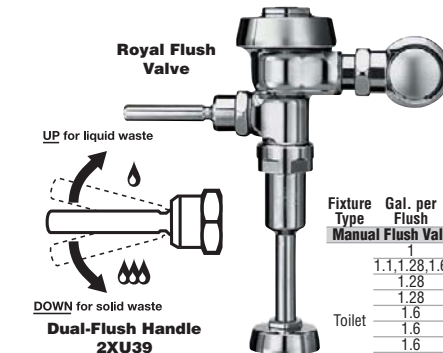


16T981

• Recommended operating pressure: 20 psi (flowing), 80 psi (static)

Feature self-cleaning brass piston with integral wiper spring that helps prevent clogging and reduce maintenance. Nonhold-open handle, chloramine-resistant EPDM seals. Valves include sweat solder kit, cover tube, and wall flange. ADA compliant.

Description	Gal. per Flush	Inlet Size	Spud Coupling	Mfr. Model	Item No.
Toilet	1.28	1 in IPS	1 1/2 in	6047121.002	16T984
	1.6	1 in IPS	1 1/2 in	6047161.002	16T985
	0.125	3/4 in IPS	3/4 in	6045013.002	16T981
Urinal	0.5	3/4 in IPS	3/4 in	6045051.002	16T982
	1	3/4 in IPS	3/4 in	6045101.002	16T983



Dual-Flush Handle 2XU39

Manual Flush Valves

Exposed valves have free-spinning, vandal-resistant stop caps. Integral vacuum breaker helps prevent back siphoning. ADA-compliant oscillating, nonhold-open handles and an adjustable tailpiece. For information on standards, go to Grainger.com.

Manual Dual Flush Valves and Dual Flush Valve Handle

Handle converts existing flush valves to water-conserving units that allow either full or partial flushes: lift handle for liquid waste; push down for solid waste. Handle has a green-colored antimicrobial coating. Include 2 instructional wallplates.

Fixture Type	Gal. per Flush	Inlet Size	Spud Coupling	Rough-In	Flush Valve Design	Mfr. Model	Item No.
Manual Flush Valve							
Toilet	1	3/4 in IPS	3/4 in	1 1/2 in	Piston	CROWN 111-1.2	2VED4
	1.1, 1.28, 1.6	1 in IPS	1 1/2 in	1 1/2 in	Diaphragm	WES111	2XU40
	1.28	1 in IPS	1 1/2 in	1 1/2 in	Diaphragm	Royal 111-1.28	1EP2E
	1.28	1 in IPS	1 1/2 in	24 in	Diaphragm	Royal 115-1.28	6UYN3
	1.6	1 in IPS	1 1/2 in	1 1/2 in	Diaphragm	Royal 111	4XLW39
	1.6	1 in IPS	1 1/2 in	1 1/2 in	Diaphragm	REGAL 111	XL2VEC7
	1.6	1 in IPS	1 1/2 in	27 in	Diaphragm	Royal 116 1.6	4LW40
	3.5	1 in IPS	1 1/2 in	1 1/2 in	Diaphragm	Royal 110	5P009
	3.5	1 in IPS	1 1/2 in	1 1/2 in	Diaphragm	REGAL 110	XL2VEC8
	3.5	1 in IPS	1 1/2 in	27 in	Diaphragm	Royal 116	5P011
	0.125	3/4 in IPS	3/4 in	1 1/2 in	Diaphragm	Z6003PL-ULF	46CD88
	0.125	3/4 in IPS	3/4 in	1 1/2 in	Diaphragm	Royal 186-0.13	6UYN5
0.25	3/4 in IPS	3/4 in	1 1/2 in	Diaphragm	Royal 186-0.25	5XTG1	
0.5	3/4 in IPS	3/4 in	1 1/2 in	Diaphragm	Royal 186-0.5	2VEG3	
0.5	3/4 in IPS	3/4 in	1 1/2 in	Diaphragm	REGAL 186-0.5	XL2VEC4	
Urinal	1	3/4 in IPS	3/4 in	1 1/2 in	Diaphragm	Royal 186-1	4LW43
	1	3/4 in IPS	3/4 in	1 1/2 in	Diaphragm	REGAL 186-1	XL2VED3
	1.5	3/4 in IPS	3/4 in	1 1/2 in	Diaphragm	Royal 186	5P013
	1.5	3/4 in IPS	3/4 in	1 1/2 in	Diaphragm	REGAL 186	XL2VED2
	3.5	1 in IPS	1 1/4 in	1 1/2 in	Diaphragm	Royal 180	5P012
	3.5	1 in IPS	1 1/4 in	1 1/2 in	Diaphragm	REGAL 180	XL2VED1
Dual Flush Handle, For Use With Royal and Regal Flush Valves							
						WES212A	2XU39