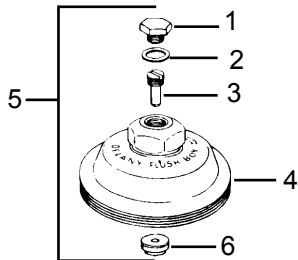


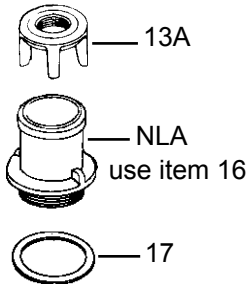
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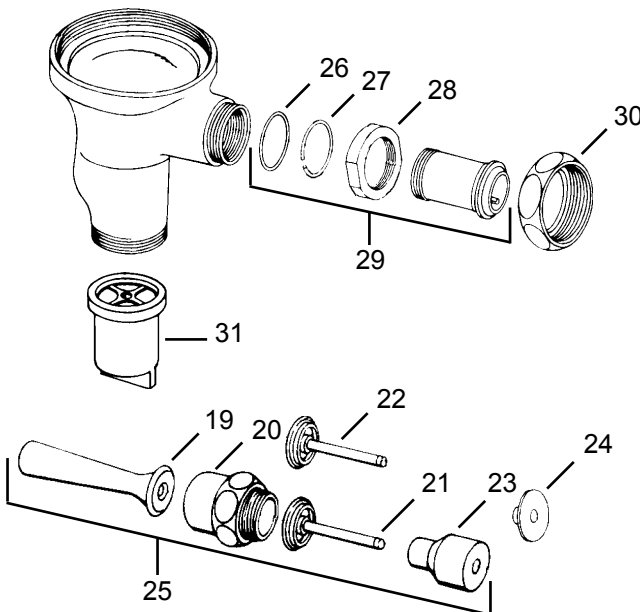
Valve with 1" supply and turn-to-silence on cover



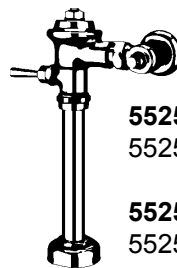
Valve with 1" supply w/o turn-to-silence on cover



Valve with 3/4" supply with or w/o turn-to-silence on cover

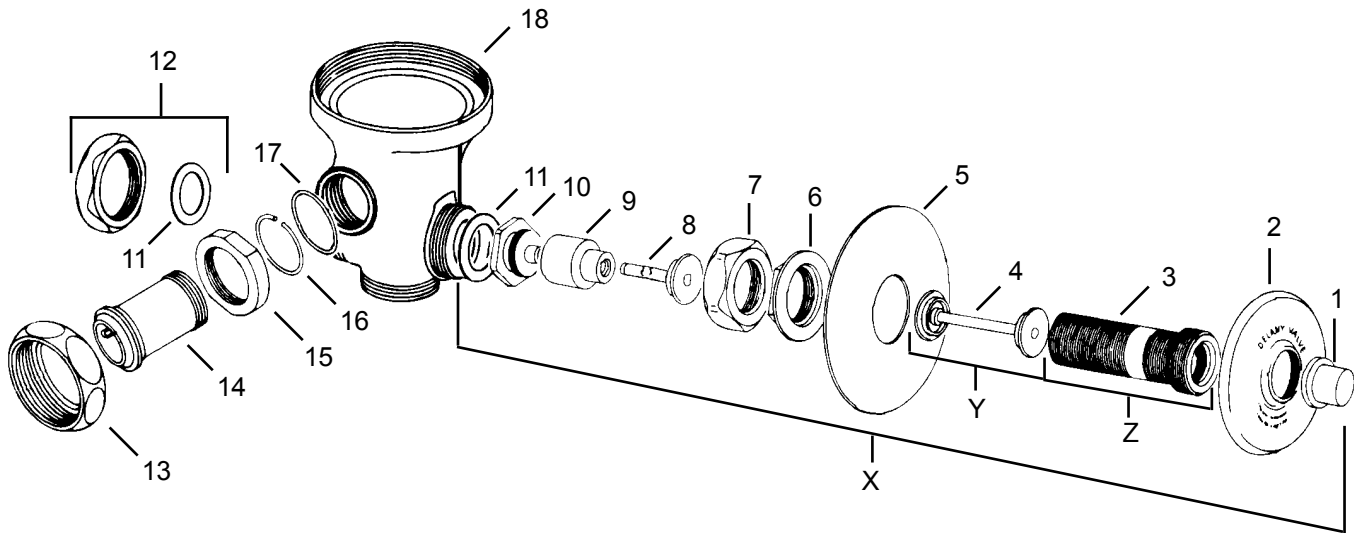


Item	Cat #	Description
1	55256	cover screw
2	55257	cover washer
3	55258	cover regulating screw
4	55260	chrome plated cover only
5	55261	cp cover assy. (T-T-S)
	55262	rb cover assy. (T-T-S)
6	55263	cover packing
7	55264	auxiliary valve
8	55265	auxiliary valve (N-H-O)
9	55266	diaphragm bushing
10	55267	auxiliary valve seat
11	55268	auxiliary valve seat holder
12	55269	closet diaphragm
	55271	urinal diaphragm
	55270	low consumption closet 1.6
	55272	low consumption urinal 1.0
	55269M	closet diaphragm w/monel loop
	55271M	urinal diaphragm w/monel loop
13	55275	seat guide, 1" (T-T-S)
13A	55274	seat guide, 1" supply
13B	55273	seat guide, 3/4" (T-T-S)
14	55390	closet kit (T-T-S)
	55392	closet kit
	55394	urinal kit 3/4"
15	55276	choke ring
16	55278	seat assembly, closet (white)
16A	55277	seat assembly, urinal (gray)
17	55279	seat washer
18	55366	closet oper. assembly
	55370	urinal oper. assembly
19	55280	cp handle only
20	55281	handle socket nut
21	55284	handle oper. stem 1-7/8"
22	55282	oper. stem 1-13/16" (N-H-O)
23	55283	handle flexer
24	55285	brass insert converter
25	55286	handle assembly
26	11547	tailpeice o-ring
27	55304	tailpeice snap ring
28	55305	tailpeice clamping nut
29	55306	cp tailpeice, 2"
30	55310	tailpeice union nut
31	55319	vacuum breaker

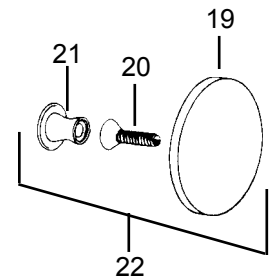


55250 Closet flushometer 1-1/2"
55250A Low consumption 1.6C

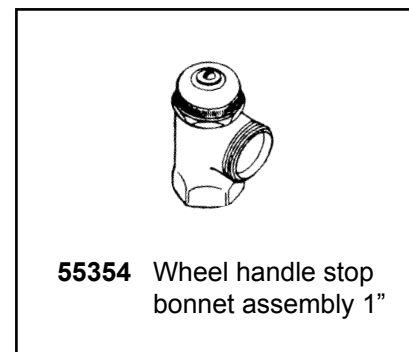
55251 Urinal flushometer 3/4"
55251A Low consumption 1.0U



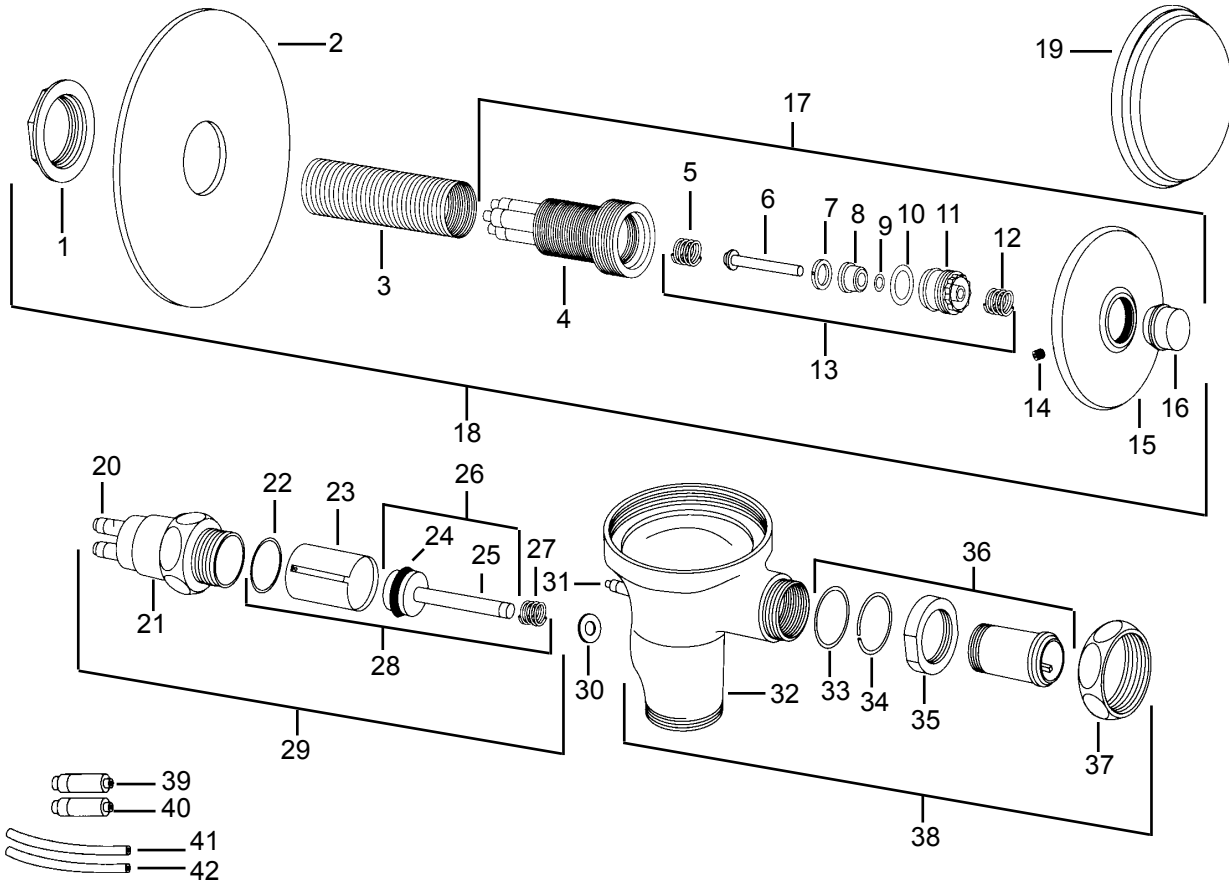
Item	Cat #	Description
1	54107	push button 1/2"
2	54108	wall flange for push button
	54109	wall flange for disc
3	54110	wall sleeve for push button
	54111	wall sleeve for disc
4	54112	wall sleeve spacer
5	54113	bearing plate
6	54114	locknut
7	54105	coupling nut
8	55411	operating stem 3-1/32"
	55412	operating stem HNO 2-29/32"
9	55283	flexer
10	54102	wall sleeve bushing
11	54101	coupling washer
12	54103	cap assembly
13	55310	union nut
14	55306	tailpeice, 2" (includes 15-17)
15	55305	clamping nut
16	55304	clamping ring
17	55311	o-ring
18	54100	concealed valve only
19	55289	oscillating disc
20	55388	disc holder screw
21	55387	disc holder
22	55386	oscillating disc assembly



Wheel handle stop

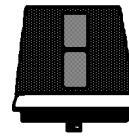
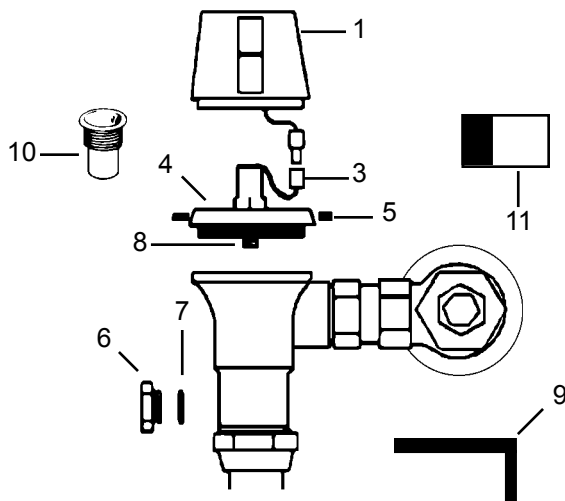


note: X, Y, Z need to specify exact dimension when ordering



Item	Cat #	Description
1	56200	locknut
2	56201	bearing plate
3	56202	wall sleeve
4	56203	actuator body
5	56204	spring
6	56205	spindle
7	56206	spindle seat washer
8	56207	o-ring holder
9	56208	o-ring for spindle
10	56209	o-ring for spindle guide
11	56210	spindle guide with item 10
12	56211	spring
13	56212	internal actuator assembly
14	56213	set screw
15	56214	wall flange with set screw
16	56215	1/2" push button
17	56216	actuator assembly
18	56217	complete actuator assembly
19	56218	3" oscillating disc assembly
20	56219	straight release fitting
21	56220	piston valve body

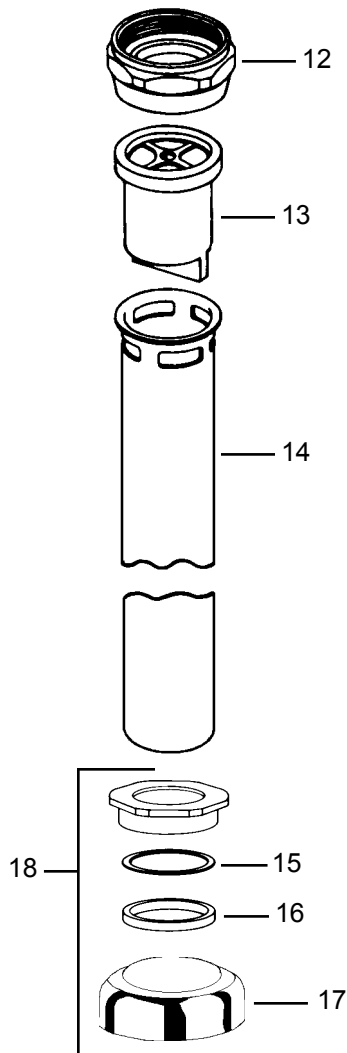
Item	Cat #	Description
22	56221	piston bore washer
23	56222	piston sleeve
24	56223	cup washer
25	56224	piston operating stem
26	56225	piston operating stem assy.
27	56226	spring
28	56227	piston internal operating assy.
29	56228	piston valve assembly
30	56229	handle pad washer
31	56230	straight release fitting
32	56231	kwikfit valve body
33	55311	o-ring
34	55304	clamping ring
35	55305	clamping nut
36	55306	kwikfit union tailpiece
37	55310	union nut
38	56232	kwikfit valve body assy.
39	56239	straight release fitting (black)
40	56240	straight release fitting (red)
41	56241	nylon tubing (black)
42	56242	nylon tubing (red)



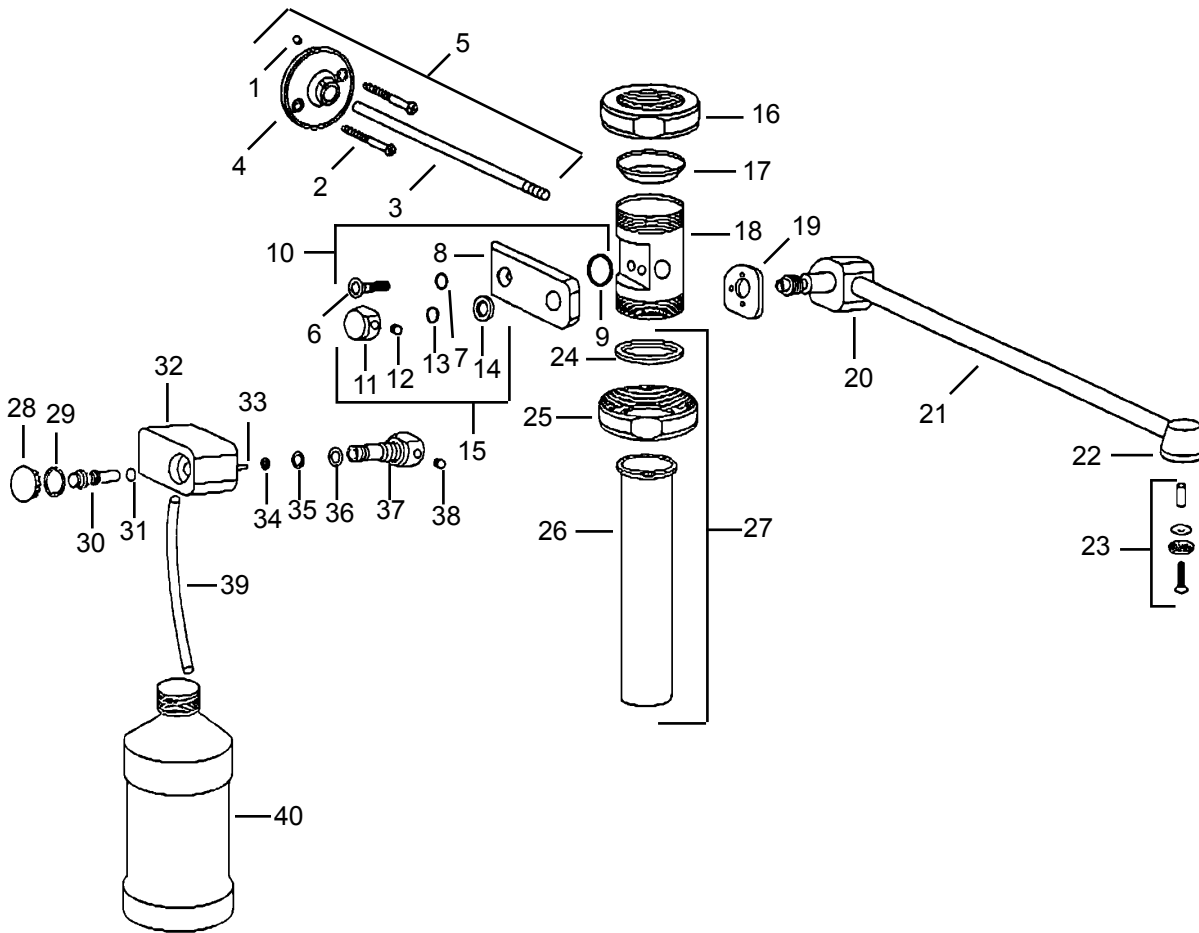
55432 Urinal impulse retro fit kit
55433 Closet impulse retro fit kit

Item	Cat #	Description
1	55435	electronic housing w / battery
2	55436	battery cover plate screw
3	55437	solenoid valve
4	55438	chrome cover with allen set screws and cup washer
5	55439	allen set screw
6	55440	blank handle nut with seal washer
7	55441	seal washer for handle nut
8	55442	cup washer
9	55443	allen wrench for set screw
10	55445	diaphragm bushing
11	55446	battery

VACUUM BREAKER



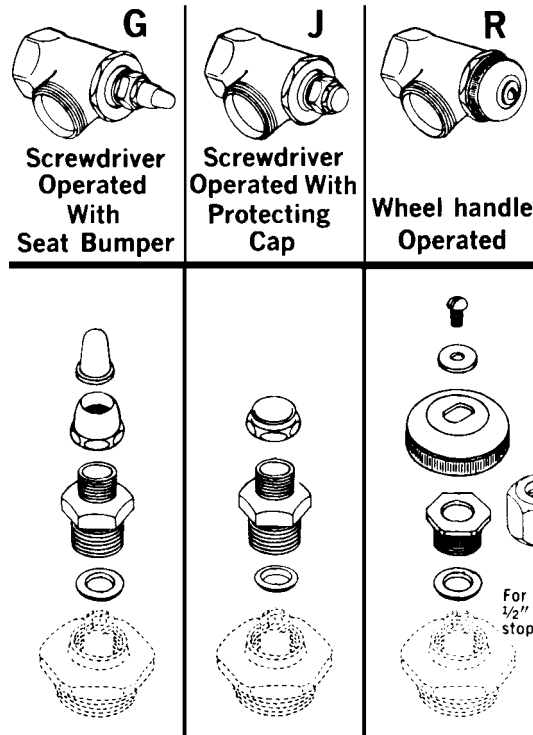
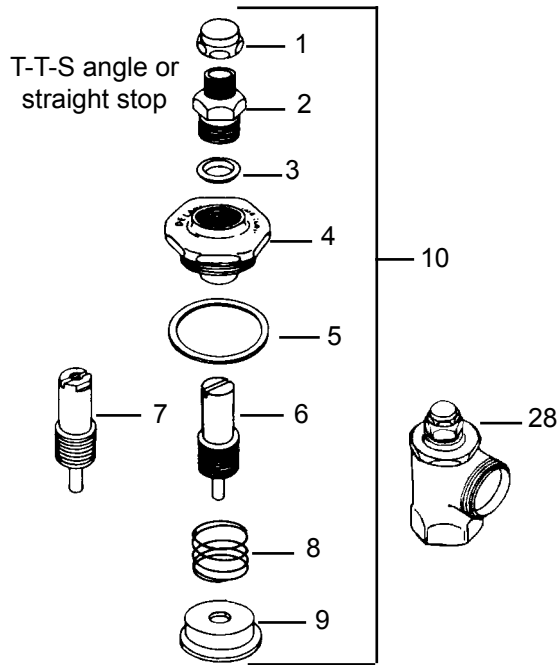
Item	Cat #	Description
12	55057	vacuum breaker cowl nut
13	55319	vacuum breaker kit
14	55324	vented tailpeice 3/4" x 9"
	55322	vented tailpeice 1-1/4" x 9"
	55323	vented tailpeice 1-1/2" x 9"
	55321	vented tailpeice 1-1/2" x 22"
15	54925	friction ring 3/4"
	54926	friction ring 1-1/4"
	54927	friction ring 1-1/2"
16	32996	slip joint gasket 3/4"
	33001	slip joint gasket 1-1/4"
	33003	slip joint gasket 1-1/2"
17	55398	chrome plated flange 3/4"
	55399	chrome plated flange 1-1/4"
	55400	chrome plated flange 1-1/2"
18	55395	spud assembly 3/4"
	55396	spud assembly 1-1/4"
	55397	spud assembly 1-1/2"



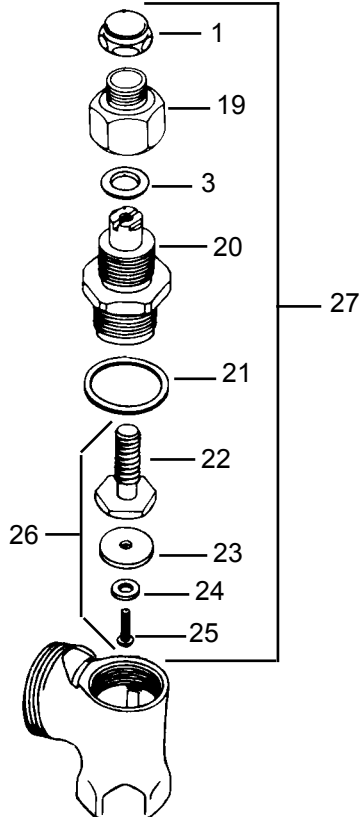
3

Item	Cat #	Description
1	55219	wall plate set screw
2	52220	wall plate screw
3	52221	wall support rod
4	52222	wall support wall plate
5	52223	wall support assembly
6	52224	side plate screw
7	52225	o-ring
8	52226	diverter body side plate
9	52227	o-ring
10	52228	diverter side plate assembly
11	52229	blank spindle nut
12	52230	set screw for spindle nut
13	52231	o-ring
14	52232	spindle nut washer
15	52233	blank spindle nut assembly
16	52234	diverter coupling nut
17	52235	plastic washer
18	52236	diverter body
19	52237	shear plate washer
20	52238	diverter arm pivot block

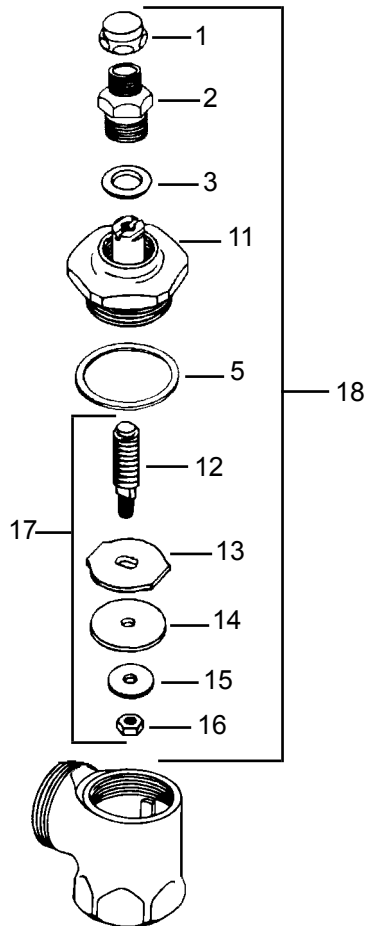
Item	Cat #	Description
21	52239	diverter arm spray tube
22	52240	diverter spray arm
23	52241	diverter spray head assembly
24	52242	coupling washer
25	52243	diverter coupling nut
26	52244	1-1/2" x 7-3/4" v / b
27	52245	lower flush connection assy.
28	52246	deoseptic bottle block cap
29	52247	snap ring
30	52248	deoseptic regulating screw
31	52249	o-ring
32	52250	deoseptic bottle block
33	52251	bottle block roll pin
34	52252	check valve ball
35	52253	o-ring
36	52254	o-ring
37	52255	spindle nut with set screw
38	52256	set screw
39	52257	deoseptic bottle tube
40	52258	deoseptic bottle



3/4" & 1/2" angle stop

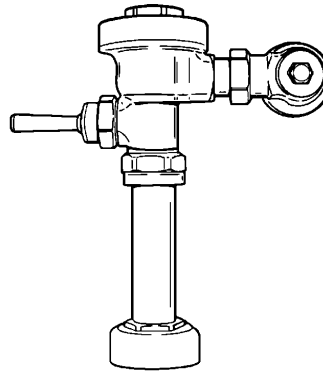
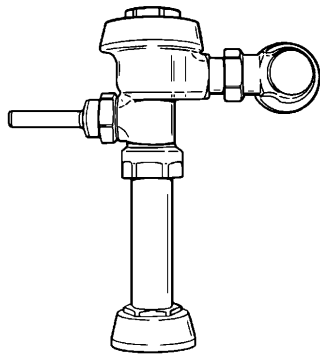


Angle or straight stop



Item	Cat #	Description
1	55325	chrome plated cap
2	55326	packing nut
3	55327	packing
4	55328	stop bonnet (T-T-S)
5	55329	bonnet washer
6	55330	screw driver stop stem (TTS)
7	55331	wheel handle stop stem (TTS)
8	55332	stop spring
9	55333	stop disc (TTS)
10	55334	stop bonnet assembly
11	55336	stop bonnet w/female stem
12	55335	male stem (TTS) 1-1/4"
13	55337	stop guide
14	55338	seat washer
15	11434	brass washer
16	55147	stop stem nut
17	55341	male stem assembly
18	55342	bonnet assembly (TTS)
19	55343	packing nut
20	55344	bonnet w/female stem
21	55345	bonnet washer
22	55346	male shut off stem
23	55347	seat washer
24	11401	brass washer
25	11029	self locking screw
26	55350	shut off stem assembly
27	55351	bonnet assembly
28	55420	complete stop, 3/4"
	55422	complete stop, 1"



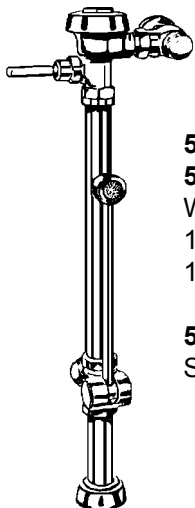


3

*Royal	Description	Regal
55000	Exposed closet flushometer 1-1/2" x 9" vacuum breaker 1" screwdriver stop, 3.5 gpf	54000
55000B	same, 1.6 gpf	54000B
55001	Exposed urinal flushometer 1-1/4" x 9" vacuum breaker 1" screwdriver stop, 3.5 gpf	54001
55001C	same, 1.5 gpf	54001C
55001D	same, 1.0 gpf	54001D
55002	Exposed urinal flushometer 3/4" x 9" vacuum breaker 3/4" screwdriver stop, 1.5 gpf	54002
55002D	same, 1.0 gpf	54002D
55002E	same, 0.5 gpf	54002E
55003	Exposed closet flushometer 1-1/2" x 24-1/2" vacuum breaker 1" screwdriver stop, 3.5 gpf	54003
55003B	same, 1.6 gpf	54003B

* Royal valve includes vandal proof stop cap, dual filter diaphragm assembly, triple seal handle kit and high pressure vacuum breaker kit

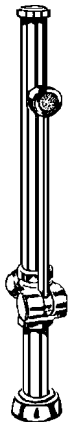
Slimline bedpan cleaner



54990 Royal
54989 Regal
 Water closet flushometer
 1-1/2" vacuum breaker
 1" screwdriver stop

54991 Royal
 Same with deoseptic

Slimline bedpan diverter



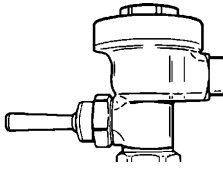
54992
 Bedpan diverter unit

54993
 Bedpan diverter with
 deoseptic



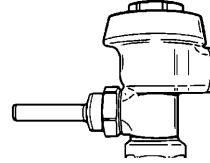
54994
 Bedpan diverter with 2"
 offset vacuum breaker

54995
 Bedpan diverter with 2"
 offset vacuum breaker
 with deoseptic



Regal

- 54906**
urinal valve only, 1.5 gpf
- 54906A**
urinal valve only, 1.0 gpf
- 54907**
closet valve only, 3.5 gpf
- 54907A**
closet valve only, 1.6 gpf



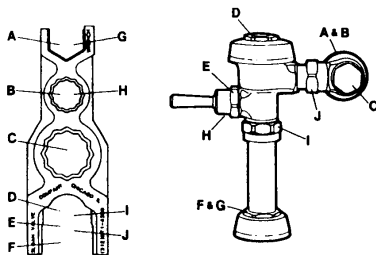
Royal

- 54909**
urinal valve only, 1.5 gpf
- 54908**
closet valve only, 3.5 gpf
- 54910**
retrofit closet valve with ground joint nipple
- 54922**
retrofit urinal valve with ground joint nipple

23150 Sloan flushometer assortment

(10) 55011 closet diaphragm assembly	(3) 55014 guide assembly	(10) 55012 urinal diaphragm assembly	(1) 22187 Sloan super wrench
(6) 55010 disc complete	(2) 55007 inside cover	(3) 55009 urinal relief valve	(1) 22189 nipple extractor
(3) 55008 closet relief valve	(1) 55025 handle assembly	(2) 55044 urinal stop kit	(1) 55100 vacuum breaker (1-1/2" x 3-1/16")
(2) 55043 closet stop kit		(6) 55026 handle repair kit	(1) 55101 vacuum breaker (3/4" x 9")
(1) 55034 nipple (10) 55035 snap ring (10) 11547 o-ring		(6) 55031 vacuum breaker kit	(1) 55105 vacuum breaker (1-1/2" x 9")

SLOAN SUPER WRENCH



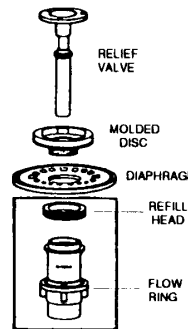
CAT #22187

- A. stop bonnet
- B. stop bonnet
- C. stop cap
- D. cover nut
- E. handle coupling nut
- F. spud nut
- G. spud nut 3/4"
- H. handle bushing
- I. vacuum breaker
- J. stop coupling nut



22189
Sloan nipple extractor

GUIDE ASSEMBLY

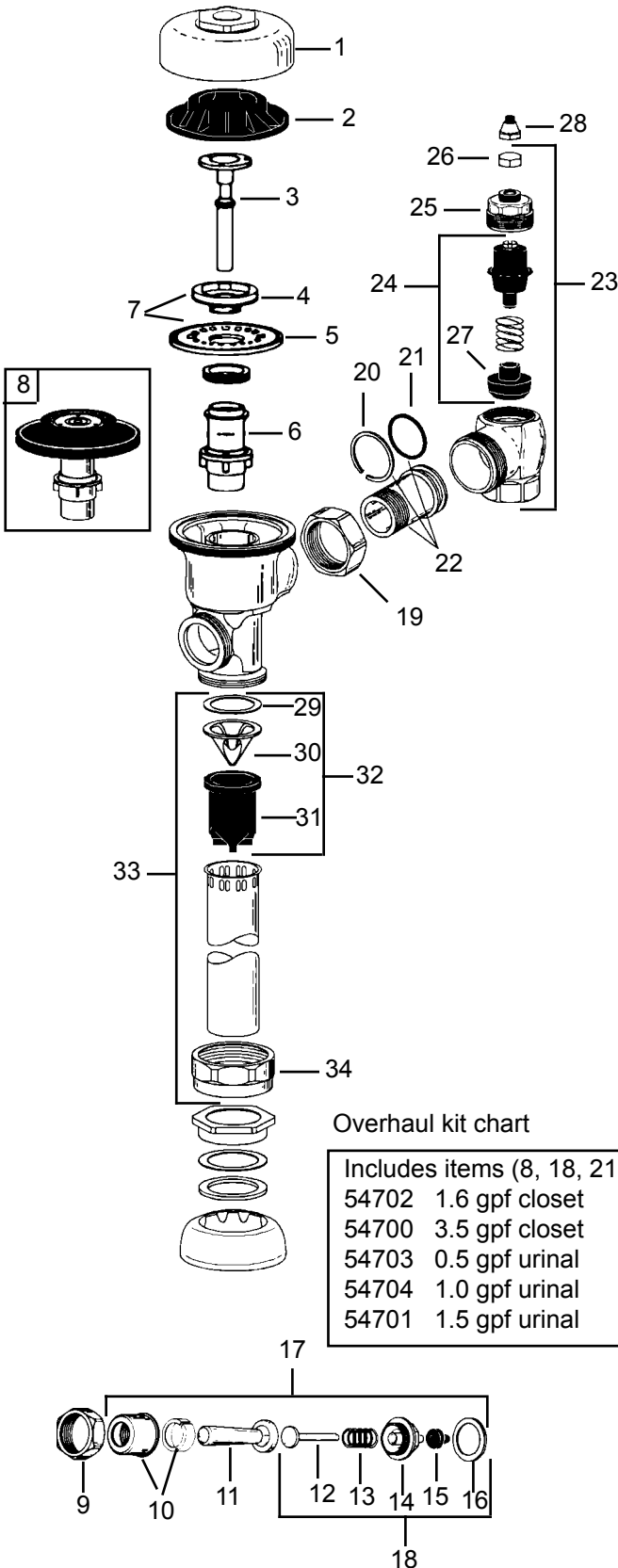


FOR CLOSETS
Use Closet Diaphragm (#55011) & white Relief Valve (#55008 or Brass #55053). Refill Head side 1 up.

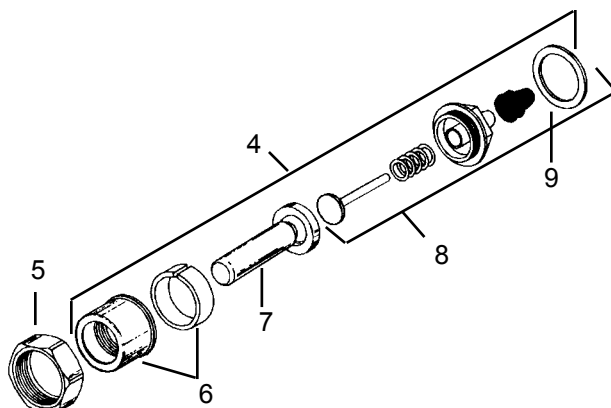
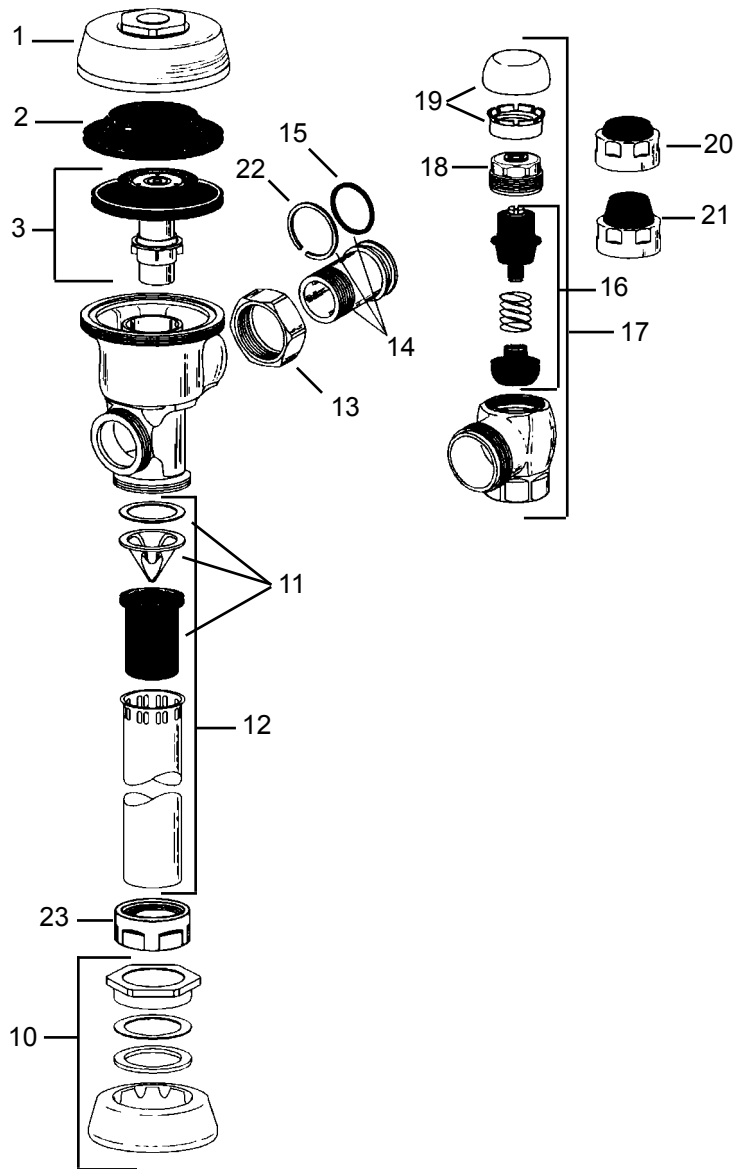
FOR SERVICE SINKS
Use Diaphragm (#55011), white Relief Valve (#55008), and remove Flow Ring from Guide Assembly (#55014). Refill Head side 1 up.

FOR WASHDOWN URINALS
Use Diaphragm (#55012) and black Relief Valve (#55009 or Brass #55054). Refill Head side 2 up.

FOR BLOWOUT OR SIPHON JET URINALS
Use Diaphragm (#55011) and white Relief Valve (#55008). Refill Head side 2 up.



Item	Cat #	Description
1	54725	outside cover
2	55007	inside cover
3	55008	closet relief valve (white)
	55009	urinal relief valve (black)
	55053	closet relief valve (brass)
	55054	urinal relief valve (brass)
	54120	low gpf relief valve (green)
4	55010	disc complete
5	55011	closet diaphragm
	55012	urinal diaphragm
6	55014	guide assembly
	54121	low 1.6 gpf closet guide assy
	54122	low 1.0 gpf urinal guide assy
7	55055	closet diaphragm and disc kit
	55056	urinal diaphragm and disc kit
8	55015	closet rebuild kit 3.5 gpf
	55016	urinal rebuild kit 1.5 gpf
	54879	low 1.6 gpf closet rebuild kit
	54880	low 1.0 gpf urinal rebuild kit
9	55017	handle coupling nut
10	55018	handle socket
11	55019	handle only
12	55020	handle plunger
13	55021	handle spring
14	55022	handle bushing
	55058	handle bushing, brass
15	55023	handle hycar seal
16	55024	handle washer
17	55025	handle assembly complete
18	55026	handle rebuild kit
	55082	handle rebuild kit (brass)
19	55032	stop coupling nut
20	55035	stop nipple snap ring
21	11547	o-ring
22	55034	stop nipple assembly
23	54320	stop complete, 1"
	54321	stop complete, 3/4"
24	55043	control stop repair kit, 1"
	55044	control stop repair kit, 3/4"
25	54718	stop bonnet, 1"
	54719	stop bonnet, 3/4"
26	55180	chrome plated cap
27	55041	stop seat plug, 1"
	55042	stop seat plug, 3/4"
28	54726	bumper assembly
29	55028	vacuum breaker washer
30	55029	vacuum breaker baffle
31	55030	vacuum breaker sleeve
32	55031	vacuum breaker kit
33	55100	v/b assy. 1-1/2" x 3-1/16"
	55101	v/b assy. 3/4" x 9"
	55105	v/b assy. 1-1/2" x 9"
	55107	v/b assy. 1-1/2" x 21-1/2"
	55108	v/b assy. 1-1/2" x 24-1/2"
34	55057	vacuum breaker nut



Item	Cat #	Description
1	55006	outside cover
2	55007	inside cover
3		dual filter diaphragm assy. (see chart below)
4	54815	handle assembly complete
5	55017	handle coupling nut
6	55018	handle socket
7	54817	handle only
8	54818	triple seal handle repair kit
9	55024	handle washer
10	55125	spud coupling assy. 3/4"
	55131	spud coupling assy. 1-1/2"
11	54819	vacuum breaker kit
12	55100	v/b assembly 1-1/2" x 3-1/16"
	55101	v/b assembly 3/4" x 9"
	55105	v/b assembly 1-1/2" x 9"
	55107	v/b assembly 1-1/2" x 21-1/2"
	55108	v/b assembly 1-1/2" x 24-1/2"
13	55032	stop coupling nut
14	55034	stop nipple assembly 2-1/16"
15	11547	stop nipple o-ring
16	55043	stop rebuild kit 1"
	55044	stop rebuild kit 3/4"
17	54822	stop complete 1"
	54823	stop complete 3/4"
18	54824	stop bonnet 1"
	54825	stop bonnet 3/4"
19	54826	stop cap, vandal resistant 1"
	54827	stop cap, vandal resistant 3/4"
20	54830	stop cap with bumper
21	54831	stop cap with ext. bumper
22	55035	snap ring
23	55057	vacuum breaker nut

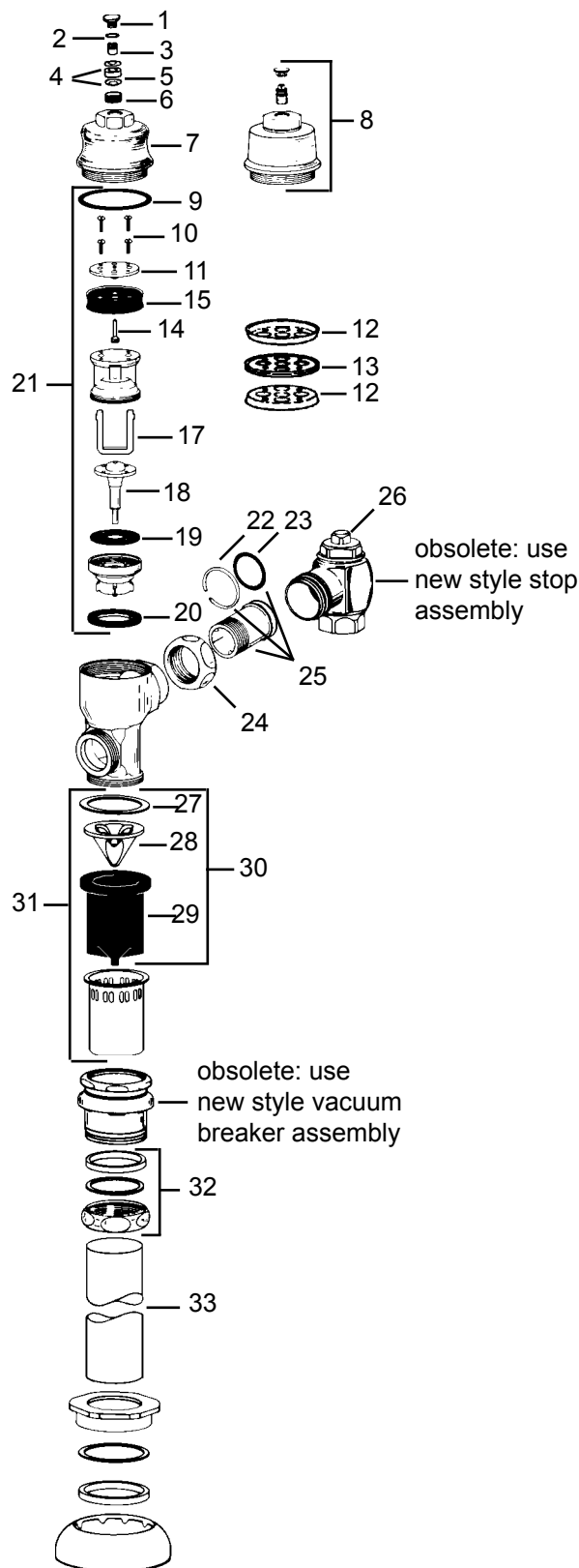
Dual filter diaphragm assy. (3)

54250	1.6 gpf closet
54249	3.5 gpf closet
54252	0.5 gpf urinal
54251	1.0 gpf urinal
54253	1.5 gpf urinal

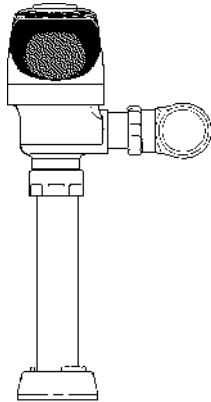
Overhaul kit chart

Includes items (3, 8, 11, 15)	
54810	1.6 gpf closet
54811	3.5 gpf closet
54812	0.5 gpf urinal
54813	1.0 gpf urinal
54814	1.5 gpf urinal

3



Item	Cat #	Description
1	55085	cover screw o.s.
2	55086	cover washer o.s.
3	55087	regulating screw o.s.
4	55088	cover brass washer o.s.
5	55089	cover leather packing o.s.
6	55090	cover packing gland o.s.
7	n/a	cover assy. obsolete (use 8)
8	55060	cover assembly
*	55029	cover rebuild kit items (2-6, 9)
9	55081	cover gasket
10	55084	top plate screw (4 req'd)
11	55063	top plate
12	55064	leather cup (2 req'd)
13	55065	spacer
14	55067	xpellor
15	55066	double molded cup
17	55069	safety bar
18	55070	relief valve
19	55071	relief valve seat washer
20	55072	closet main seat
	55073	urinal main seat
21	55074	closet piston assembly
	55075	urinal piston assembly
22	55035	snap ring
23	11547	o-ring
24	55032	stop coupling nut
25	55034	stop nipple assembly 2-1/16"
26	55180	stop cap o.s.
27	55028	vacuum breaker washer
28	55029	vacuum breaker baffle
29	55030	vacuum breaker sleeve o.s.
30	55112	v/b repair kit o.s.
31	55110	v/b replacement kit o.s.
32	33028	coupling nut assembly 1-1/2" x 1-1/4"
	22029	coupling nut assembly 1-1/2"
33	55115	outlet, 1-1/2" x 1-1/4" x 9"
	55116	outlet, 1-1/2" x 9"



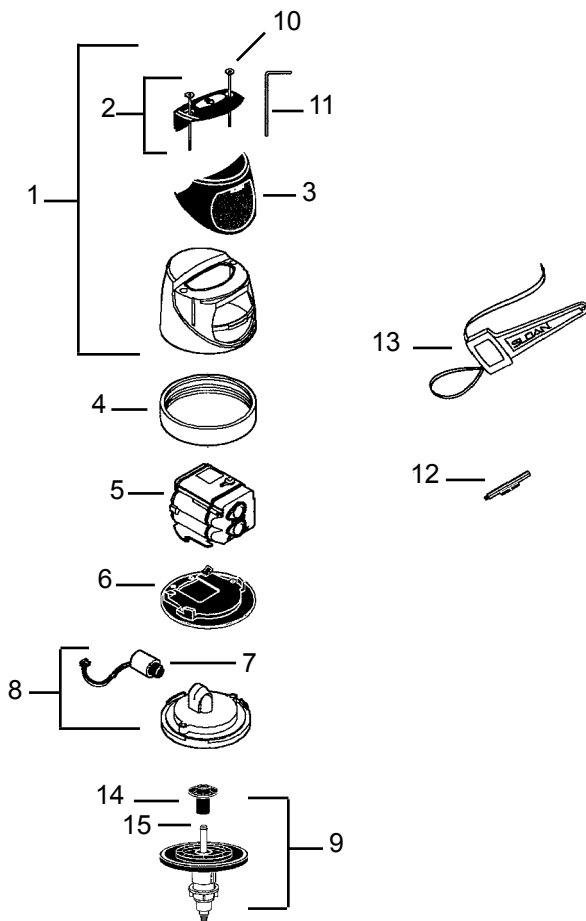
G2 closet flushometer complete

Cat #	Description
53849	closet 3.5 gpf
53850	closet 1.6 gpf
53853	urinal 1.5 gpf, 1-1/4" vacuum breaker
53854	urinal 1.0 gpf, 1-1/4" vacuum breaker
53855	urinal 1.5 gpf, 3/4" vacuum breaker
53856	urinal 1.0 gpf, 3/4" vacuum breaker
53857	urinal 0.5 gpf, 3/4" vacuum breaker

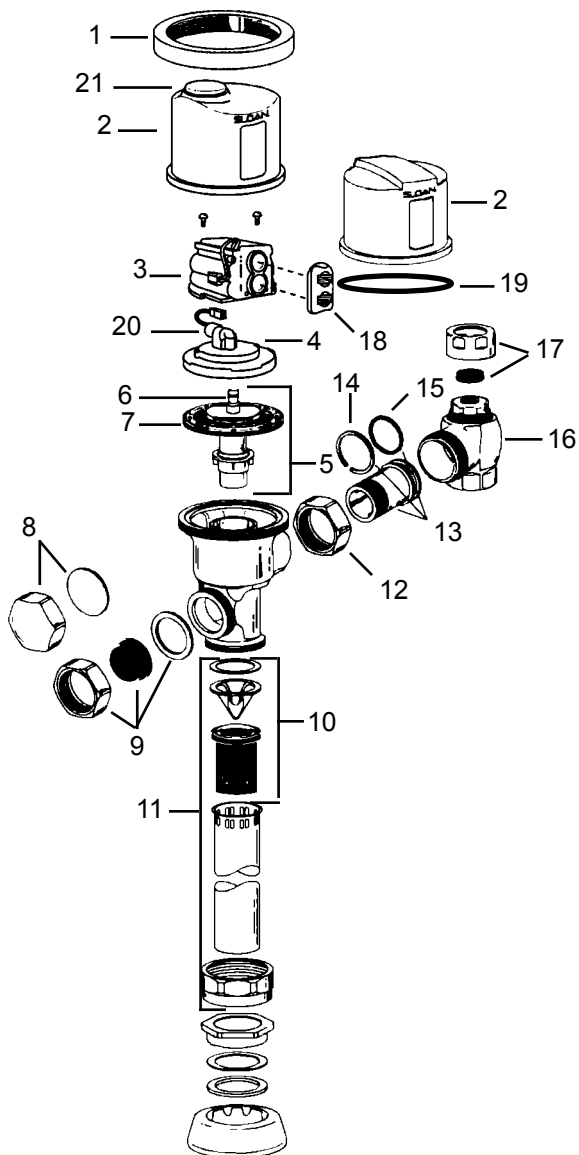


G2 closet retrofit kit

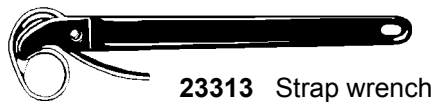
Cat #	Description
53840	closet retrofit kit
53841	urinal retrofit kit
53843	closet retrofit kit for Zurn
53844	urinal retrofit kit for Zurn
53846	closet retrofit kit for Delany with adjustable ground joint tailpiece
53847	urinal retrofit kit for Delany with adjustable ground joint tailpiece



Item	Cat #	Description
1	53860	cover assembly
2	53861	override button assembly incl. screws and hex wrench
3	53862	lens window cover
4	54850	locking ring
	53864	locking ring for Zurn
5	54855	G2 electronic module, urinal
	54858	G2 electronic module, closet
6	53867	cover rest plate
7	53868	isolated solenoid for G2 only
8	53869	G2 inside cover assembly
9	54864	inside parts kit, closet
	54861	inside parts kit, urinal
10	53875	screws (2) and hex wrench
11	53871	7/64" hex wrench
12	53872	range adjustment tool
13	53876	strap wrench
14	53877	regulator (green)
	53878	regulator (black)
	53879	regulator (white)
15	53880	o-ring



Item	Cat #	Description
1	54850	locking ring
	53864	locking ring for Zurn
2	NLA	plastic cover
	NLA	plastic cover with override
	54854	metal cover
	54853	metal cover with override
*3	54855	G2 electronic module, urinal
	54858	G2 electronic module, closet
*4	54872	inside cover with o/s solenoid
	53869	G2 inside cover with solenoid
*5	54861	inside parts kit, urinal (new)
	54864	inside parts kit, closet (new)
6	54860	quad ring
7	55011	diaphragm
8	54867	handle cap, solid
9	54868	handle cap, decorative
10	54819	vacuum breaker kit
11	55100	v/b assembly 1-1/2" x 3-1/16"
	55101	v/b assembly 3/4" x 9"
	55105	v/b assembly 1-1/2" x 9"
	55107	v/b assembly 1-1/2" x 21-1/2"
	55108	v/b assembly 1-1/2" x 24-1/2"
12	55032	stop coupling nut
13	55034	stop nipple assembly
14	55035	snap ring
15	11547	o-ring
16	55146	stop complete, 1"
	55147	stop complete, 3/4"
17	54827	decorative stop cap, 3/4"
18	54897	beam deflector
19	54871	cover gasket
20	53874	old style solenoid
21	54849	override button repair kit



23313 Strap wrench

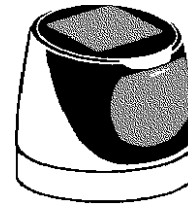
*Optima electronic module and inside parts kits have been replaced with G2 version. When replacing new electronic module, must also replace inside cover with new G2 solenoid.



Description

Battery powered, sensor activated Sloan ECOS electronic dual flush model retrofit conversion kit for exposed closet flushometers. Full flush 1.6 gpf (large button) reduced flush 1.1 gpf (small button)

- 56000 closet retrofit kit
- 56001 closet retrofit kit for Zurn
- 56002 closet retrofit kit for Delany with adjustable ground joint tailpeice

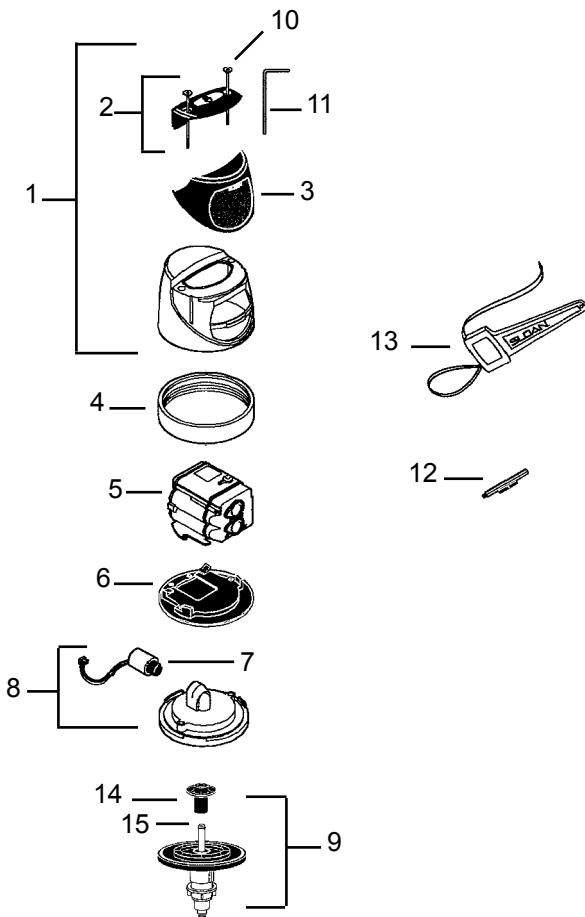


Description

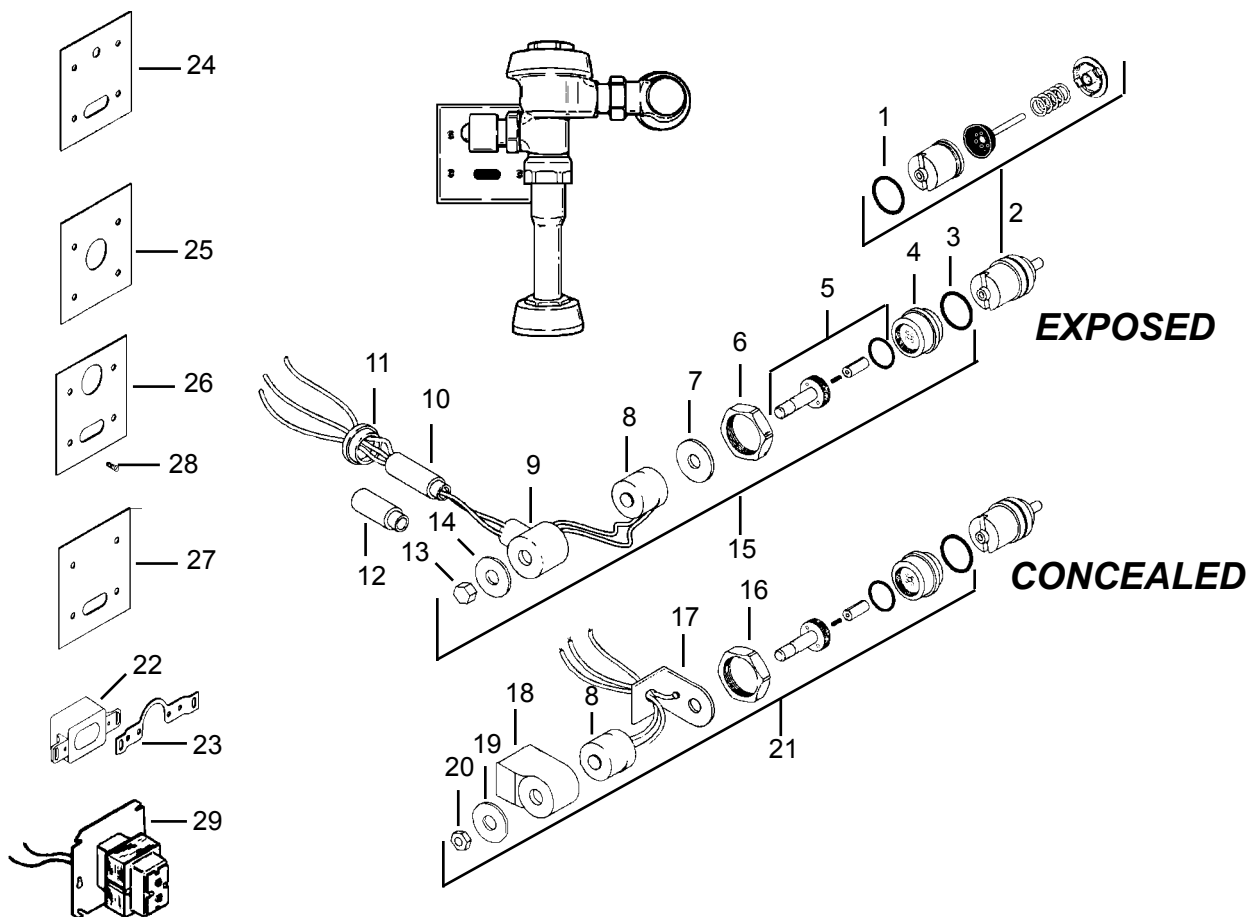
Solar powered, sensor activated Sloan SOLIS model water closet, urinal, dual flush retro fit conversion kit for exposed flushometers.

- 56003 closet retrofit kit
- 56004 urinal retrofit kit
- 56005 closet dual flush retrofit kit
- 56006 closet retrofit kit for Zurn
- 56007 urinal retrofit kit for Zurn
- 56008 closet dual flush retrofit kit for Zurn
- 56009 closet retrofit kit for Delany with adjustable ground joint tailpeice
- 56010 uriinal retrofit kit for Delany with adjustable ground joint tailpeice
- 56011 closet dual flush retrofit kit for Delany with adjustable ground joint tailpeice

ECOS

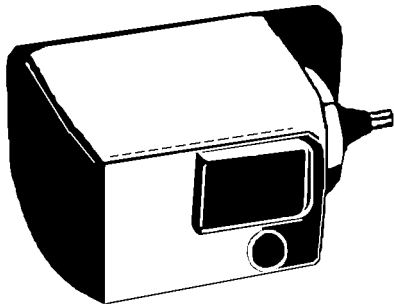


Item	Cat #	Description
1	53881	cover assembly
2	53882	override button assembly incl. screws and hex wrench
3	53862	lens window cover
4	54850	locking ring
	53864	locking ring for Zurn
5	53883	G2 electronic module, urinal
	53884	G2 electronic module, closet
6	53867	cover rest plate
7	53868	isolated solenoid
8	53869	inside cover assembly
9	54864	inside parts kit, closet
	54861	inside parts kit, urinal
10	53875	screws (2) and hex wrench
11	53871	7/64" hex wrench
12	53872	range adjustment tool
13	53876	strap wrench
14	53877	regulator (green)
15	53880	o-ring



Item	Cat #	Description
1	54728	o-ring
2	54740	actuator cartridge assembly
3	54755	o-ring
4	54756	adapter for solenoid, cp
5	54757	solenoid shaft assembly
6	55017	handle coupling, cp
7	54759	solenoid flux plate
8	54760	VAC coil
9	54761	solenoid housing, cp
10	54762	nipple assembly, cp
11	54763	flange assembly, cp
12	54764	extension nipple adapter, cp
13	54765	nut for solenoid, cp
14	54766	face plate for 24 VAC solenoid
15	54767	exposed solenoid assembly
16	54951	handle coupling, rb

Item	Cat #	Description
17	54769	solenoid flux plate
18	54770	solenoid housing, cp
19	54771	face plate for 24 VAC solenoid
20	54772	housing nut for solenoid
21	54773	concealed solenoid assembly
22	54774	urinal sensor replacement kit
	54775	closet sensor replacement kit
23	54776	urinal yoke assembly
	54777	closet yoke assembly & override switch
24	54778	cover plate for sensor with override switch, closet
25	54779	cover plate for solenoid operator, closet
26	54780	cover plate for sensor and solenoid operator, urinal
27	54781	cover plate for sensor, urinal
28	54782	screws for cover plate (4 req'd)
29	54783	transformer (120 VAC)
	54784	transformer (240 VAC)



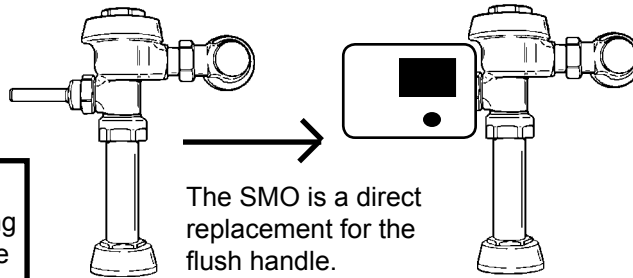
Sloan / Zurn retrofit

51795 closet / urinal retrofit with override button

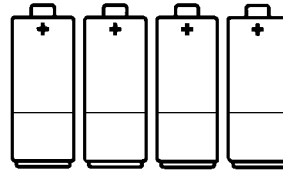
Delany retrofit

51797 closet / urinal retrofit with override button

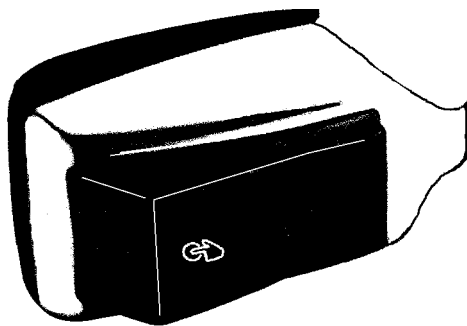
54900 High mount adapter kit recommended when installing SMO on a high valve, more than 18" above fixture.



The SMO is a direct replacement for the flush handle.

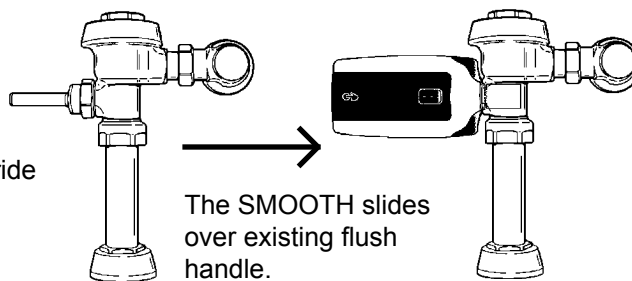


51799 'C' battery (4 required)
*included with SMO/SMOOTH retrofit



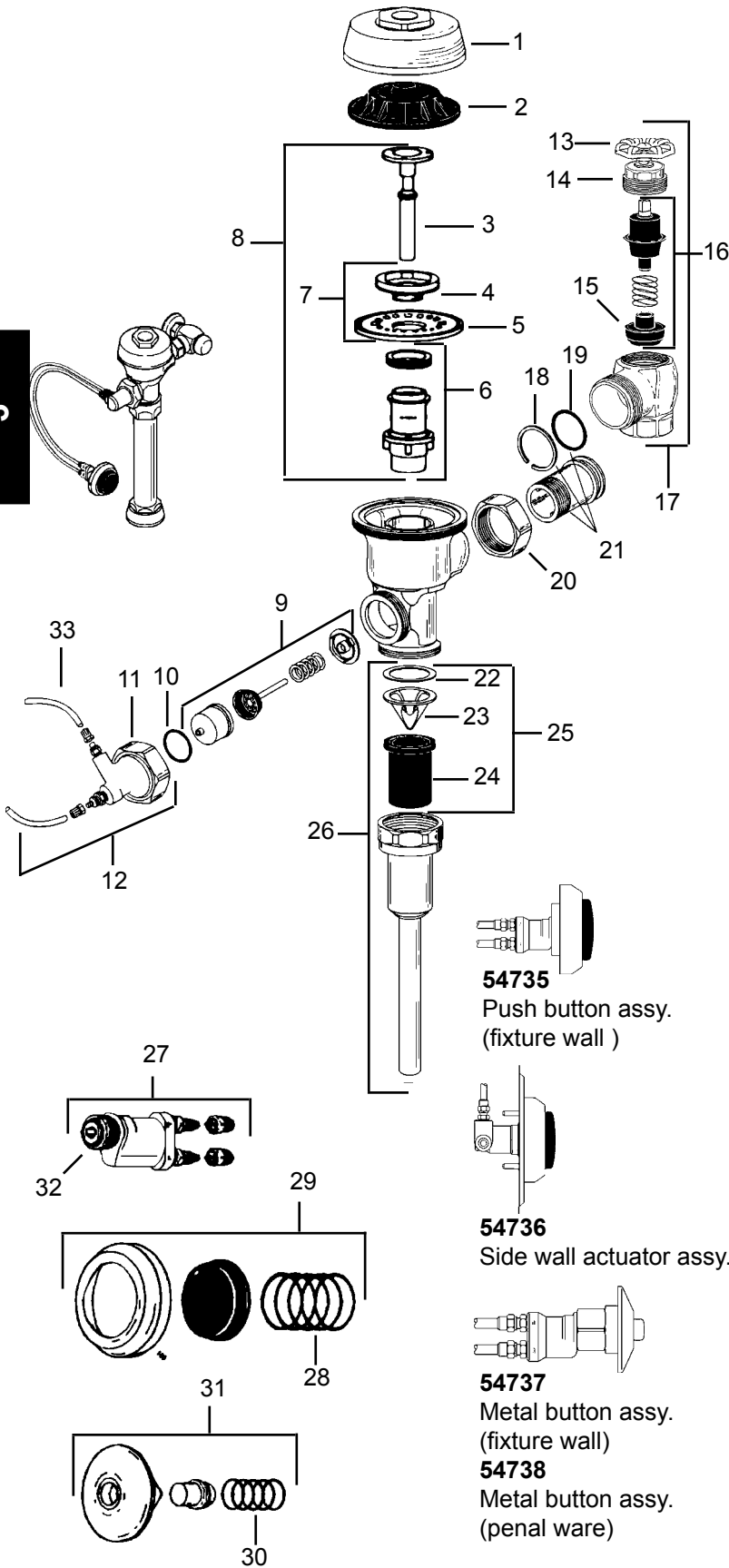
Sloan / Zurn retrofit

51795S closet/urinal retrofit with mechanical manual override



The SMOOTH slides over existing flush handle.





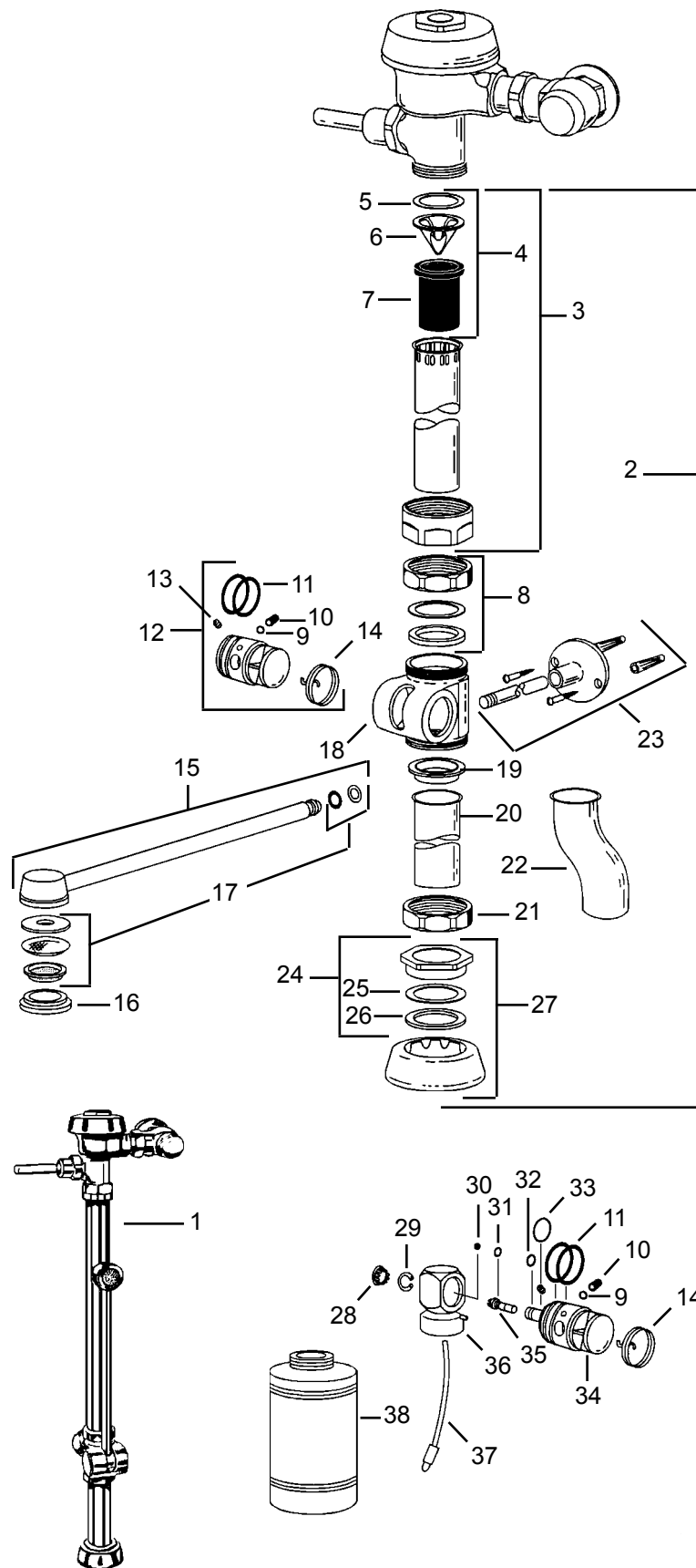
Item	Cat #	Description
1	54724	outside cover, rb
2	55007	inside cover
3	55008	closet relief valve (white)
	55009	urinal relief valve (black)
	55053	closet relief valve, brass
	55054	urinal relief valve, brass
	54120	low gpf relief valve (green)
4	55010	disc complete
5	55011	closet diaphragm
	55012	urinal diaphragm
6	55014	guide assembly
	54121	low 1.6 gpf closet guide assy
	54122	low 1.0 gpf urinal guide assy
7	55055	diaphragm/disc assy. closet
	55056	diaphragm/disc assy. urinal
8	55015	closet rebuild kit 3.5 gpf
	55016	urinal rebuild kit 3.0 gpf
	54879	low 1.6 gpf closet rebuild kit
	54880	low 1.0 gpf urinal rebuild kit
9	54727	actuator cartridge assy.
10	54728	o-ring
11	54729	coupling nut, rb
12	54730	actuator housing assy.
13	54731	wheel handle
14	54720	1" rough brass bonnet
	54721	3/4" rough brass bonnet
15	55041	stop seat plug, 1"
	55042	stop seat plug, 3/4"
16	55237	wheel handle repair kit, 1"
	55238	wheel handle repair kit, 3/4"
17	54732	wheel handle stop, rb, 1"
	54733	wheel handle stop, rb, 3/4"
18	55035	stop nipple snap ring
19	11547	stop nipple o-ring
20	55032	stop coupling nut
21	55034	stop nipple assembly, 2-1/16"
22	55028	vacuum breaker washer
23	55029	vacuum breaker baffle
24	55030	vacuum breaker sleeve
25	55031	vacuum breaker kit
26	55101	v/b assembly 3/4" x 9"
	55105	v/b assembly 1-1/2" x 9"
27	54750	actuator assembly
28	54748	spring
29	54747	push button handle
30	54746	spring
31	54745	metal push button handle
32	54751	push button cartridge
33	54722	1/4 x 48" tubing (2)

54735
Push button assy.
(fixture wall)

54736
Side wall actuator assy.

54737
Metal button assy.
(fixture wall)

54738
Metal button assy.
(penal ware)



Item	Cat #	Description
1	54990	bedpan washer complete
	54991	bedpan washer w/deoseptic
2	54992	bedpan diverter unit
	54993	bedpan diverter w/deoseptic
	54994	bedpan offset div. unit
	54995	bedpan offset div. w/deoseptic
3	55107	v/b assembly 1-1/2" x 21-1/2"
4	55031	vacuum breaker kit
5	55028	vacuum breaker washer
6	55029	vacuum breaker baffle
7	55030	vacuum breaker sleeve
8	54958	coupling nut assembly
9	54964	diverter valve seal
10	54965	diverter valve seal washer
11	11576	o-ring (2 req'd)
12	54963	pivot replacement kit
13	54966	diverter valve set screw
14	54962	counterbalance spring
15	54971	replacement nozzle assy.
16	54970	nozzle spray dix retainer
17	54960	spray arm repair kit
18	54961	diverter valve body
19	33024	outlet tube gasket
20	33154	outlet tube
21	54959	outlet coupling nut
22	53001	outlet tube with 1-1/2" offset
23	55973	wall support kit
24	55129	spud coupling nut assembly
25	11476	spud coupling friction ring
26	33003	spud coupling s / j washer
27	55131	spud coupling assembly
28	54981	deo-septic plug button
29	54980	deo-septic retaining ring
30	54978	deo-septic rubber ball
31	11501	deo-septic o-ring
32	11507	o-ring
33	11539	o-ring
34	54976	deo-septic nozzle pivot
35	54977	deo-septic adjusting screw
36	54979	deo-septic swivel & ball check
37	54982	deo-septic tube assembly
38	54983	deo-septic solution bottle

54967 Diverter valve seal kit includes items (9, 10, 11, 13, 14)

54984 Deo-septic valve seal kit includes items (9, 10, 11, 13, 14, 29-33)

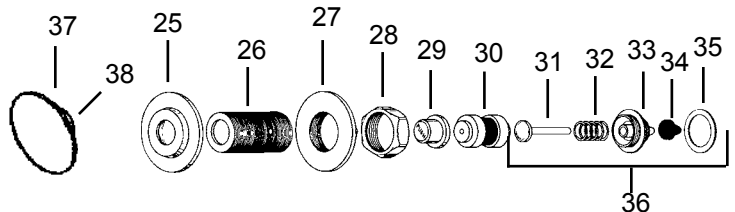
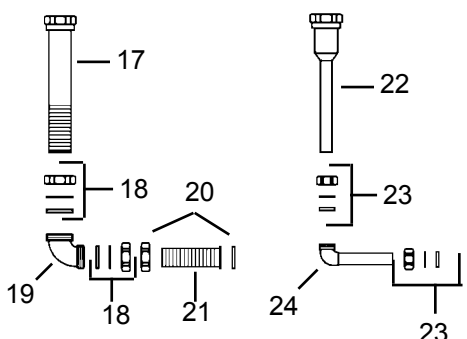
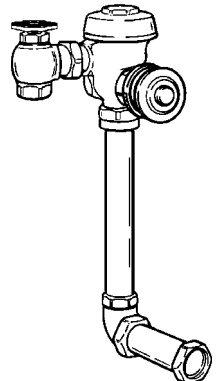
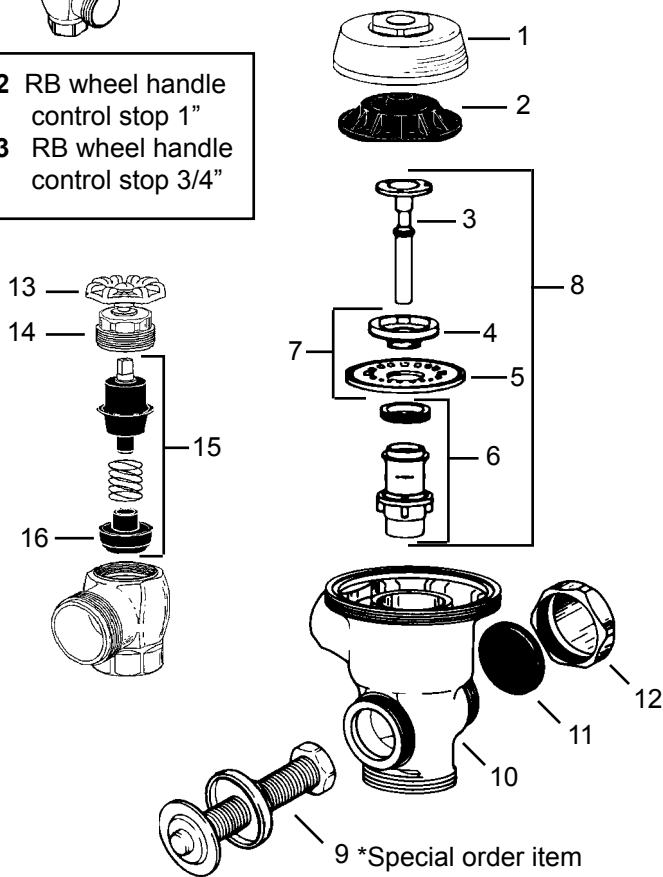
54961A Body and pivot assembly includes items (12, 18)

54961B Body, pivot and spray arm includes items (12, 15, 18)



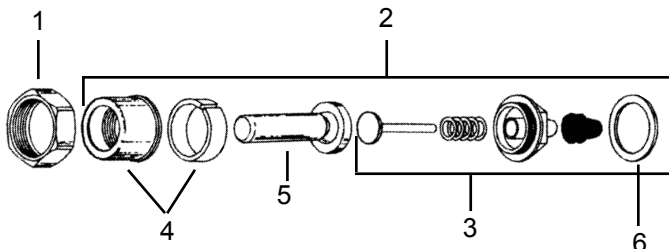
54732 RB wheel handle control stop 1"
54733 RB wheel handle control stop 3/4"

3

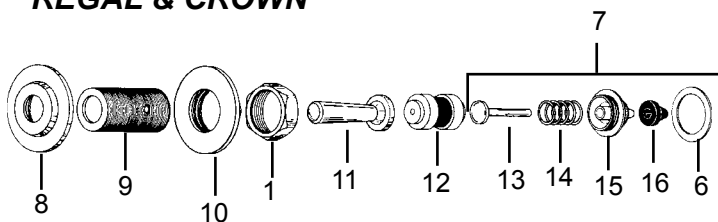


Item	Cat #	Description
1	54724	outside cover
2	55007	inside cover
3	55008	closet relief valve (white)
	55009	urinal relief valve (black)
	55053	closet relief valve, brass
	55054	urinal relief valve, brass
	54120	low gpf relief valve (green)
4	55010	disc complete
5	55011	closet diaphragm
	55012	urinal diaphragm
6	55014	guide assembly
	54121	low 1.6 gpf closet guide assy
	54122	low 1.0 gpf urinal guide assy
7	55055	closet diaphragm and disc kit
	55056	urinal diaphragm and disc kit
8	55015	closet rebuild kit 3.5 gpf
	55016	urinal rebuild kit 3.0 gpf
	54880	1.0 urinal rebuild kit
	54879	1.6 closet rebuild kit
9	*	push button assembly
10	54300	valve body (includes 11, 12)
11	54301	gasket
12	54951	coupling nut
13	54731	wheel handle
14	54720	1" rough brass bonnet
	54721	3/4" rough brass bonnet
15	55237	wheel handle repair kit, 1"
	55238	wheel handle repair kit, 3/4"
16	55041	stop seat plug, 1"
	55042	stop seat plug, 3/4"
17	54303	v/b assembly 1-1/2" x 11-1/2"
	54304	v/b assembly 1-1/2" x 21"
	54305	v/b assembly 1-1/2" x 23"
18	54311	coupling nut assembly, 1-1/2"
19	54306	double slip elbow
20	54307	coupling and gasket
21	54308	flush connect 1-1/2" x 3-1/4"
22	54309	v/b assembly 3/4" x 10-1/2"
23	55123	coupling nut assembly 3/4"
24	54310	ell with 3/4" tail, rough brass
25	55244	2-3/4" O.D. handle wall flange
	55245	3-1/2" O.D. handle wall flange
26	54790	wall socket
27	54788	locknut
28	54951	coupling nut, rough brass
29	54115	index push button
30	54801	filler rod for 1" wall
31	55020	handle plunger
32	55021	handle spring
33	55022	bushing
34	55023	hycar seal
35	55024	plastic washer
36	55097	rebuilding kit
37	51278	3" oscillating handle
38	51283	oscillating handle screw

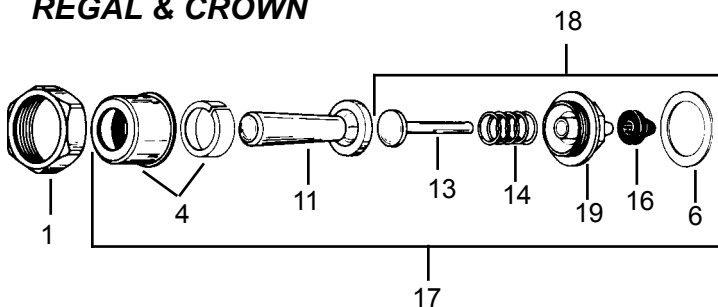
**HANDLE FOR ROYAL FLUSH VALVE
ADA NEW STYLE**



**HANDLE FOR CONCEALED ROYAL,
REGAL & CROWN**



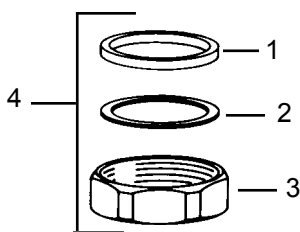
**HANDLE FOR EXPOSED ROYAL,
REGAL & CROWN**



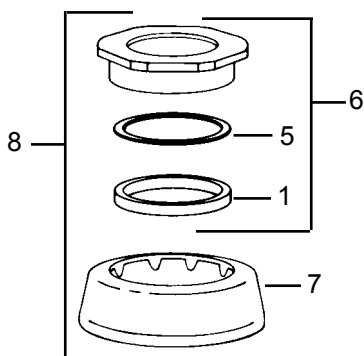
Item	Cat #	Description
1	55017	coupling nut
2	54815	handle assembly complete
3	54818	triple seal handle repair kit
4	55018	handle socket, cp
5	54817	handle only, cp
6	55024	handle washer
7	55097	handle rebuild kit
8	55244	2-3/4" O.D. handle wall flange
	55245	3-1/2" O.D. handle wall flange
9	54790	wall socket
10	54788	locknut
11	55019	metal handle
12	54801	filler rod for 1" wall
	54802	filler rod for 2" wall
	54803	filler rod for 3" wall
	54804	filler rod for 4" wall
	54805	filler rod for 5" wall
	54806	filler rod for 6" wall
	54807	filler rod for 7" wall
	54808	filler rod for 8" wall
13	55020	handle plunger
14	55021	handle spring
15	55045	brass bushing
16	55023	hycar seal
17	55025	handle assembly complete
18	55026	handle rebuild kit
19	55022	deirin bushing



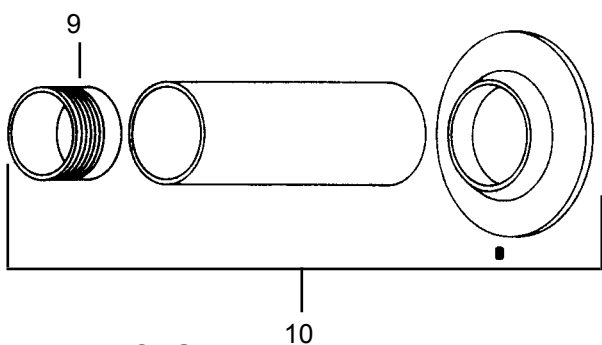
COUPLINGS



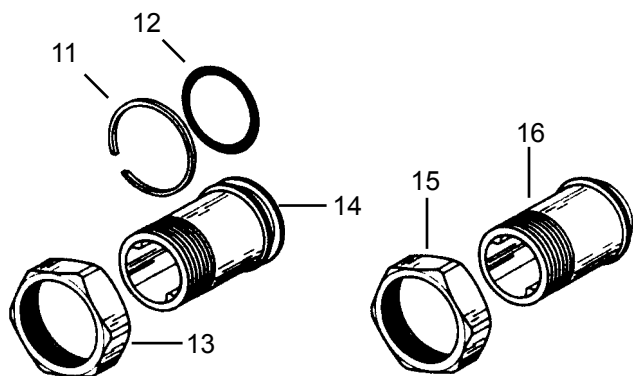
SPUD COUPLING ASSEMBLY



SWEAT SOLDER KIT



TAILPIECES

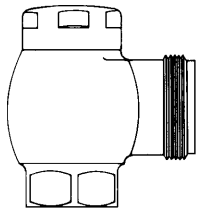


Item	Cat #	Description
1	32996	s/j gasket 3/4"
	33001	s/j gasket 1-1/4"
	33003	s/j gasket 1-1/2"
2	11462	brass friction ring 3/4"
	11472	brass friction ring 1-1/4"
	11476	brass friction ring 1-1/2"
3	33035	coupling nut 1-1/4"
	33036	coupling nut 1-1/2"
4	33025	coupling nut assy. 1-1/4"
	33026	coupling nut assy. 1-1/2"
	33028	cplg. nut assy. 1-1/4" x 1-1/2"
5	54925	friction ring 3/4"
	54926	friction ring 1-1/4"
	54927	friction ring 1-1/2"
6	55123	spud coupling 3/4"
	55126	spud coupling 1-1/4"
	55129	spud coupling 1-1/2"
7	55124	spud flange 3/4"
	55127	spud flange 1-1/4"
	55130	spud flange 1-1/2"
8	55125	spud coupling assy. 3/4"
	55132	spud coupling assy. 1"
	55128	spud coupling assy. 1-1/4"
	55131	spud coupling assy. 1-1/2"
9	55169	sweat kit adapter 3/4"
	55171	sweat kit adapter 1"
10	55168	sweat kit 3/4"
	55170	sweat kit 1"
11	55035	snap ring
12	11547	o-ring
13	55032	adj. stop coupling nut, cp
14	55034	adj. stop nipple assy. 2-1/16"
	55132	adj. stop nipple assy. 3-1/16"
	55133	adj. stop nipple assy. 4-1/16"
	55134	adj. stop nipple assy. 5-1/16"
	55135	adj. stop nipple assy. 6-1/16"
15	55136	ground joint stop union, cp
16	55137	g/j stop union nipple 1-1/4"
	55138	g/j stop union nipple 1-1/2"
	55139	g/j stop union nipple 1-3/4"
	55140	g/j stop union nipple 2"
	55141	g/j stop union nipple 2-1/4"
	55142	g/j stop union nipple 2-1/2"
	55143	g/j stop union nipple 2-3/4"
	55144	g/j stop union nipple 3"

22189 nipple extractor



Old Style



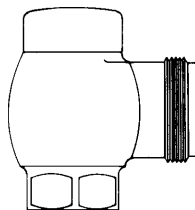
55146
1" screwdriver angle stop, cp, adj. tail

55147
3/4" screwdriver angle stop, cp, adj. tail

55148
1" screwdriver angle stop, cp, ground joint tail

55149
3/4" screwdriver angle stop, cp, ground joint tail

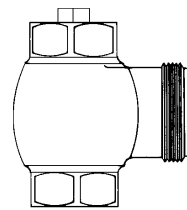
Royal



54822
1" screwdriver angle stop, cp, adj. tail

54823
3/4" screwdriver angle stop, cp, adj. tail

Regal



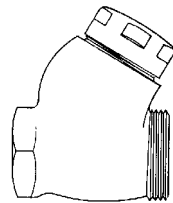
54320
1" screwdriver angle stop, cp, adj. tail

54321
3/4" screwdriver angle stop, cp, adj. tail

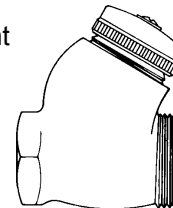


54732
1" wheel handle angle stop, rough brass adj. tail

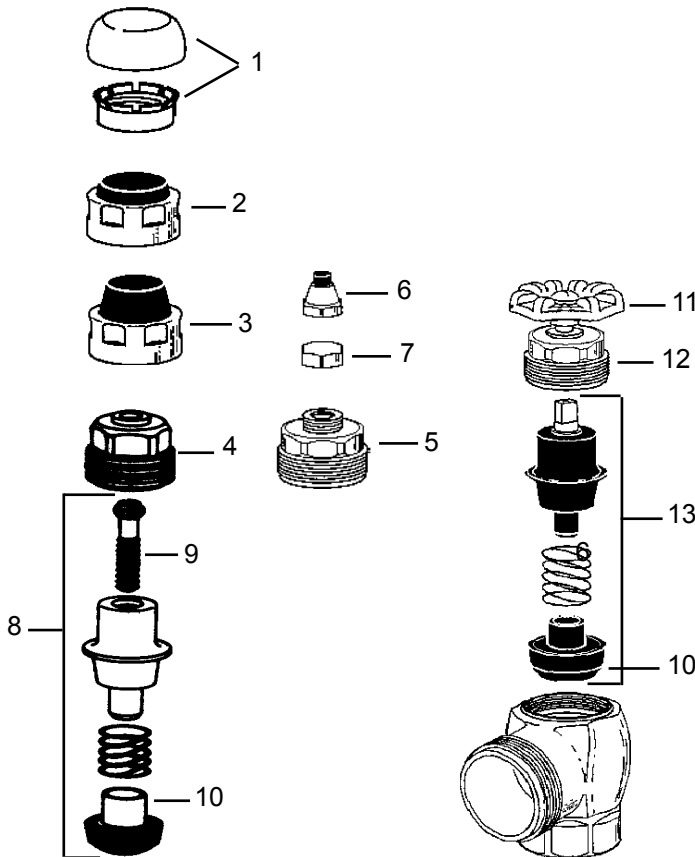
54733
3/4" wheel handle angle stop, rough brass, adj. tail



55172
1" screwdriver straight stop, chrome plated, ground joint tail



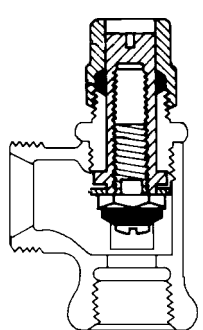
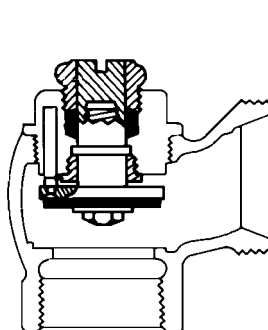
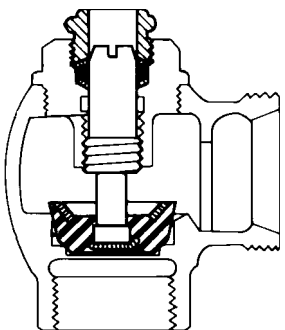
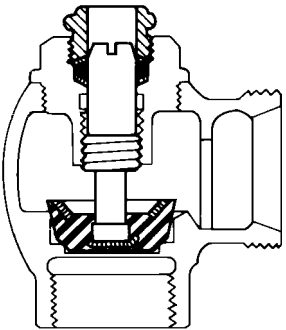
55173
1" wheel handle straight stop, chrome plated, ground joint tail



Item	Cat #	Description
1	54826	stop cap, vandal resist, 1"
	54827	stop cap, vandal resist, 3/4"
2	54830	stop cap with bumper
3	54831	stop cap with ext. bumper
4	54824	Royal stop bonnet 1"
	54825	Royal stop bonnet 3/4"
5	54718	Regal stop bonnet 1"
	54719	Regal stop bonnet 3/4"
6	54726	bumper cap
7	55180	stop cap
8	55043	stop rebuild kit 1"
	55044	stop rebuild kit 3/4"
9	55040	stop screwdriver stem
10	55041	stop seat plug 1"
	55042	stop seat plug 3/4"
11	54731	wheel handle
12	54720	WH bonnet 1"
	54721	WH bonnet 3/4"
13	55237	WH stop rebuild kit 1"
	55238	WH stop rebuild kit 3/4"

Screwdriver

3



1" angle stop

3/4" angle stop

1" & 3/4" angle stop

3/4" & 1/2" angle stop

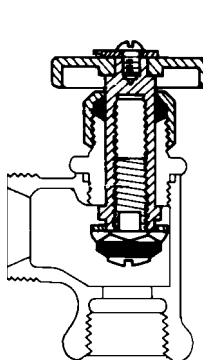
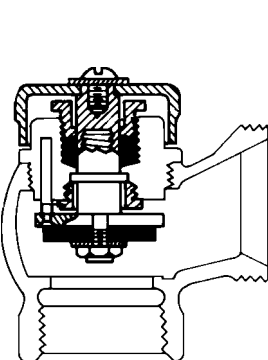
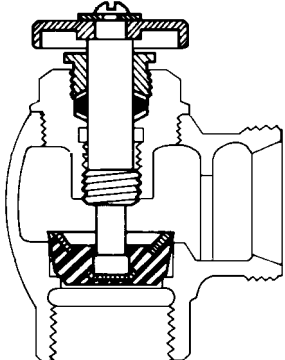
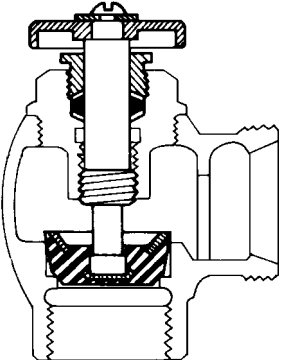
- 55150** repair kit
- 55158** packing
- 55184** seat plug

- 55152** repair kit
- 55158** packing
- 55185** seat plug

- 55154** repair kit
- 55158** packing
- 55198** screw assy.
- 55199** bonnet assy 1"
- 55194** screw
- 55196** stop washer
- 55197** nut

- 55217** repair kit
- 55158** packing
- 11019** bev. washer

Wheel handle



1" angle stop

3/4" angle stop

1" & 3/4" angle stop

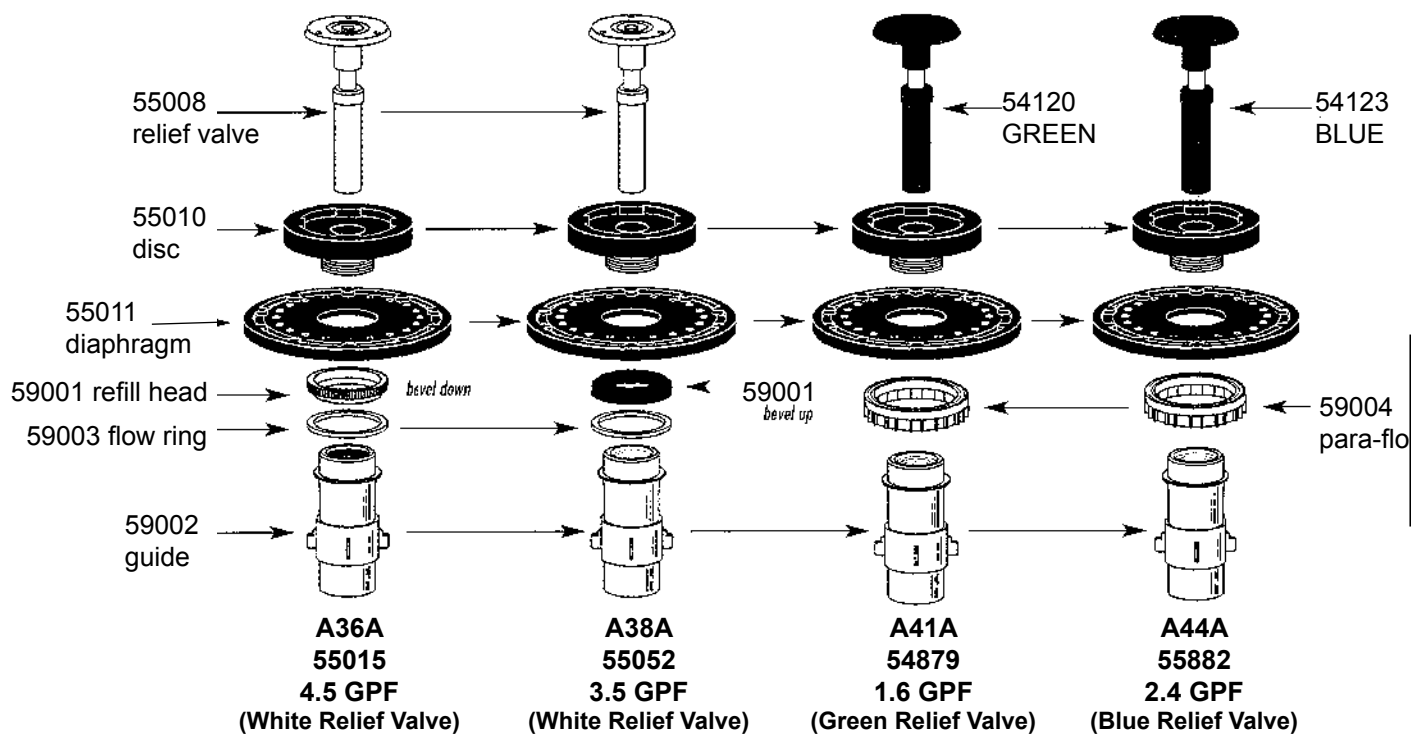
3/4" & 1/2" angle stop

- 55151** repair kit
- 55158** packing
- 55184** seat plug

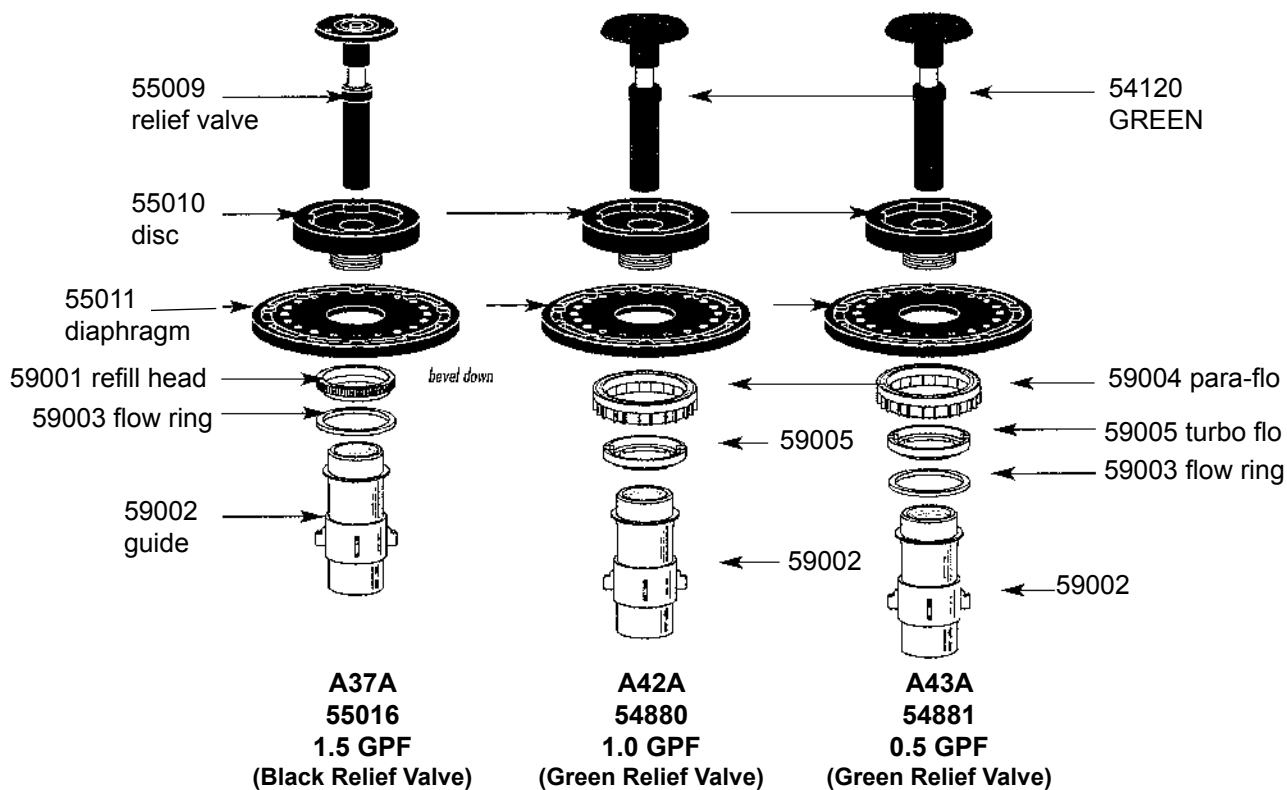
- 55153** repair kit
- 55158** packing
- 55185** seat plug

- 55155** repair kit
- 55158** packing
- 55198** screw assy.

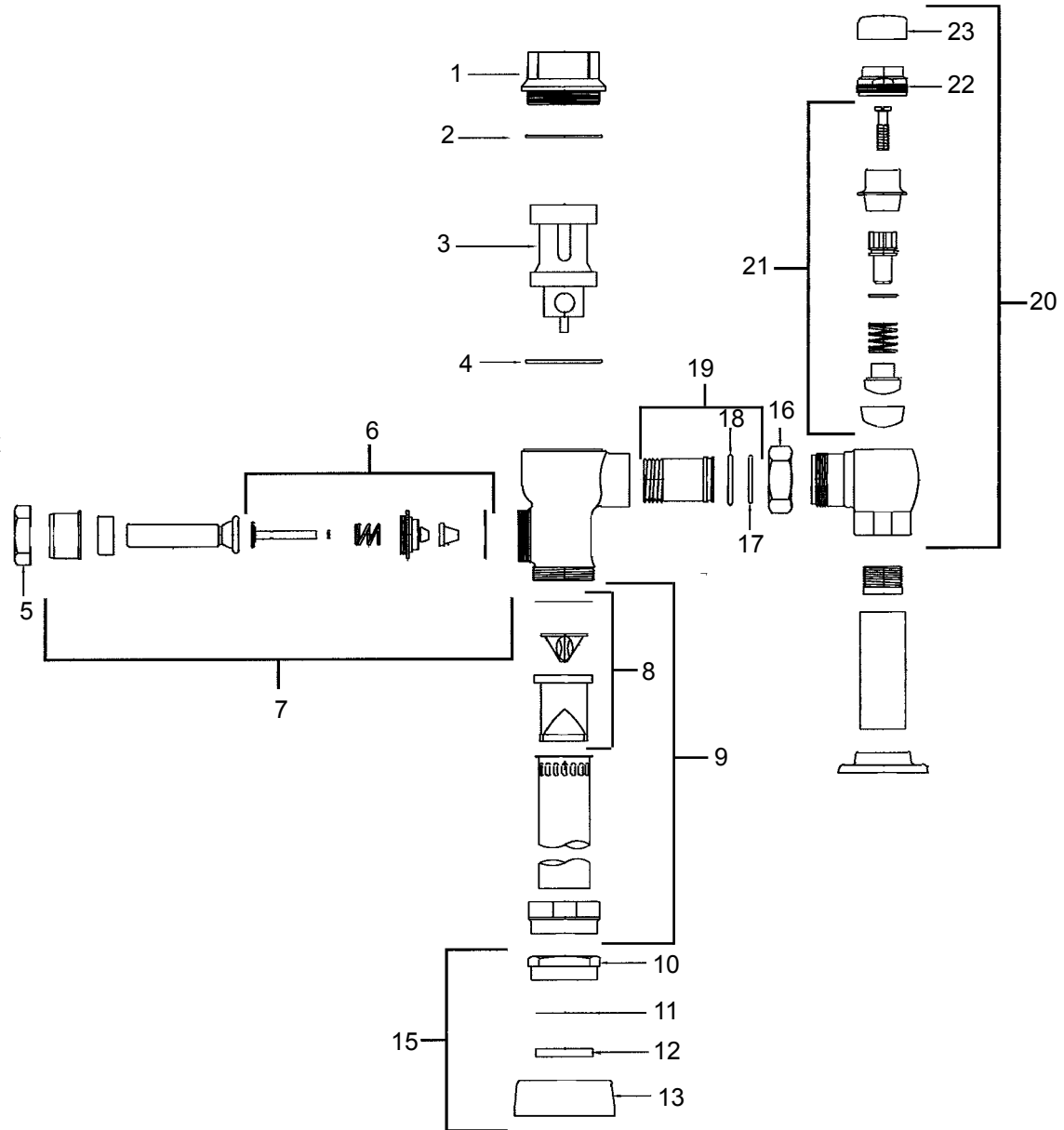
- 55157** repair kit
- 55158** packing
- 11019** bev. washer



DIAPHRAGM INSIDE PARTS KITS - URINALS

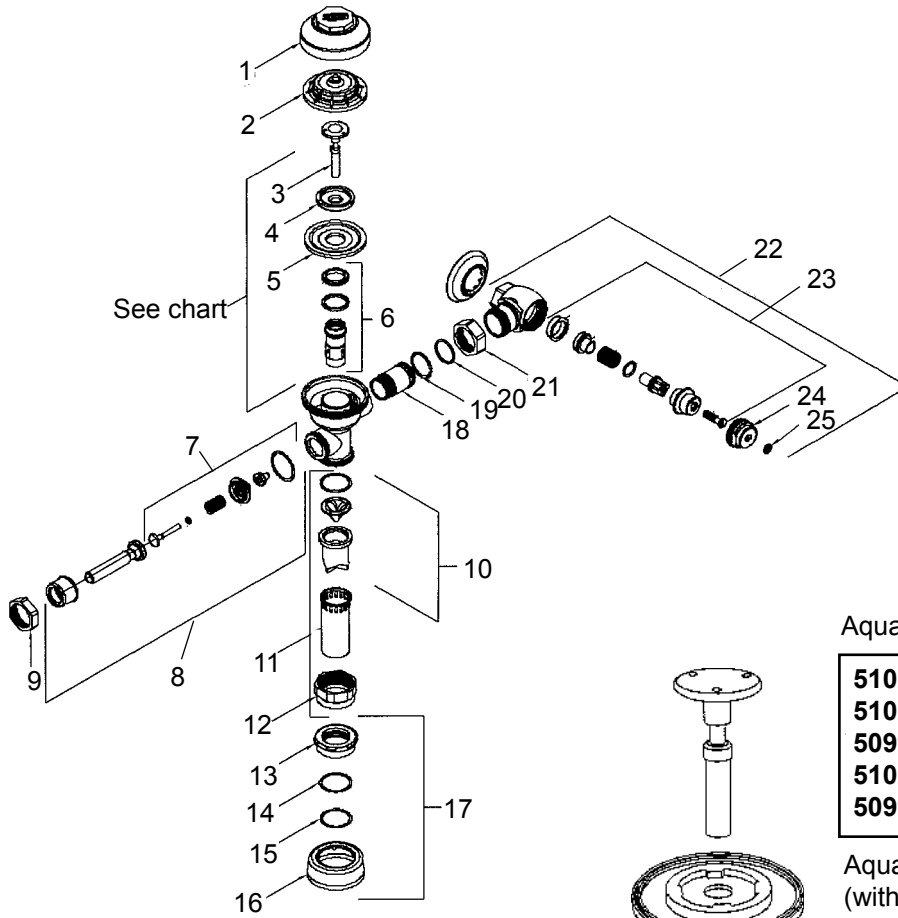


3



Item	Cat #	Description
1	51300	outside cover, cp
2	51301	outside cover o-ring
3	51302	closet repair kit 3.5
	51303	closet repair kit 1.6
	51304	urinal repair kit 1.5
	51305	urinal repair kit 1.0
4	51306	main seat
5	51017	handle nut
6	51026	handle rebuild kit
7	51025	handle assembly
8	51031	vacuum breaker kit
9	51101	v/b assembly 3/4" x 9"
	51105	v/b assembly 1-1/2" x 9"
	51108	v/b assembly 1-1/2" x 24-1/2"
10	51123	spud coupling 3/4"
	51129	spud coupling 1-1/2"

Item	Cat #	Description
11	54925	friction ring 3/4"
	54927	friction ring 1-1/2"
12	32996	s/j gasket 3/4"
	33003	s/j gasket 1-1/2"
13	51124	spud flange 3/4"
	51130	spud flange 1-1/2"
15	51125	spud coupling assy. 3/4"
	51131	spud coupling assy. 1-1/2"
16	51032	stop coupling nut
17	11547	o-ring
18	51035	snap ring
19	51034	stop nipple assy. 2-1/16"
20	51746	stop complete
21	51043	stop rebuild kit
22	51744	stop bonnet
23	51307	stop cap



AquaFlush Diaphragm Kit

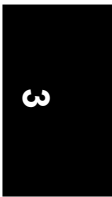
- 51015** ZN-3.5 closet repair kit
- 51052** ZN-1.6 closet repair kit
- 50990** ZN-3.0 urinal repair kit
- 51016** ZN-1.5 urinal repair kit
- 50991** ZN-1.0 urinal repair kit

**AquaVantage Diaphragm Kit
(with triple filter by-pass)**

- 50994** ZN-3.5 closet repair kit
- 50995** ZN-1.6 closet repair kit
- 50996** ZN-3.0 urinal repair kit
- 50997** ZN-1.5 urinal repair kit
- 50998** ZN-1.0 urinal repair kit

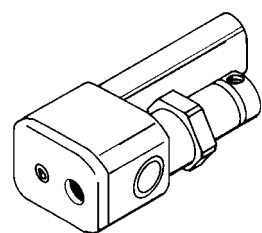
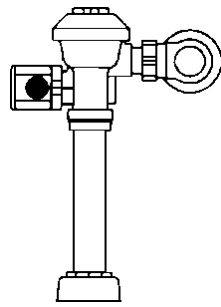
Item	Cat #	Description
1	51741	outside cover, cp
2	51007	inside cover
3	51008	closet relief valve
	51009	urinal relief valve
4	51010	disc
5	51011	diaphragm
6	51014	guide assembly
7	51026	handle rebuild kit
8	51025	handle assembly
9	51017	handle coupling nut
10	51031	vacuum breaker kit
11	51101	v/b assembly 3/4" x 9"
	51105	v/b assembly 1-1/2" x 9"
	51108	v/b assembly 1-1/2" x 24-1/2"
12	51057	vacuum breaker nut
13	51123	spud coupling 3/4"
	51129	spud coupling 1-1/2"
14	54925	friction ring 3/4"
	54927	friction ring 1-1/2"
15	32996	s/j gasket 3/4"
	33003	s/j gasket 1-1/2"

Item	Cat #	Description
16	51124	spud flange 3/4"
	51130	spud flange 1-1/2"
17	51125	spud coupling assy. 3/4"
	51131	spud coupling assy. 1-1/2"
18	51034	stop nipple assy. 2-1/16"
19	51035	snap ring
20	11547	o-ring
21	51032	stop coupling nut
22	51746	stop complete
23	51043	stop rebuild kit
24	51744	stop bonnet
25	51742	stop cap



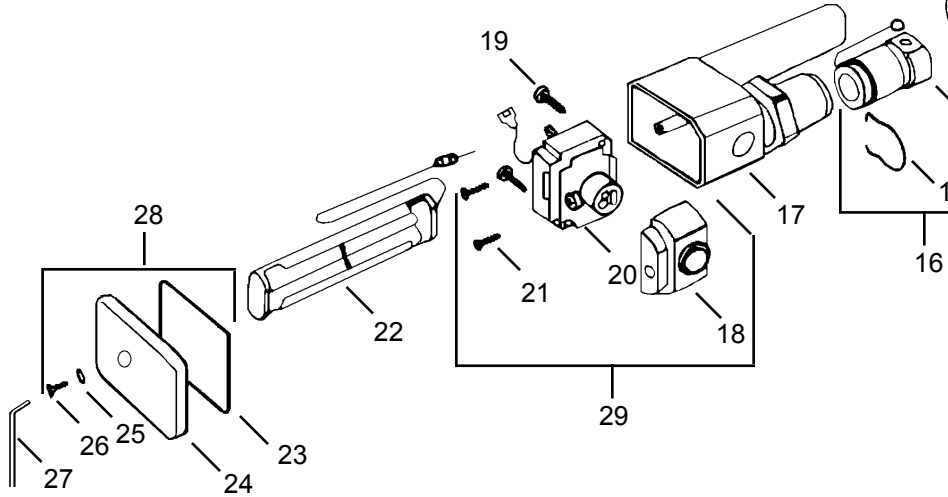
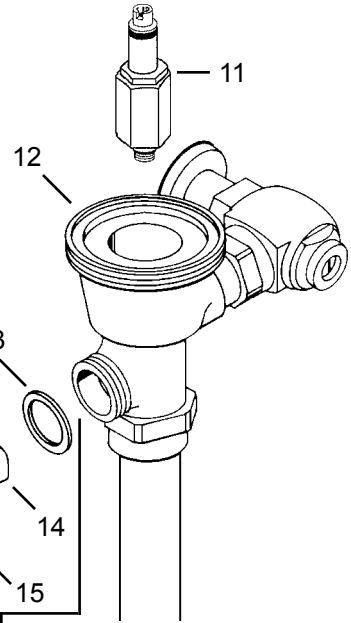
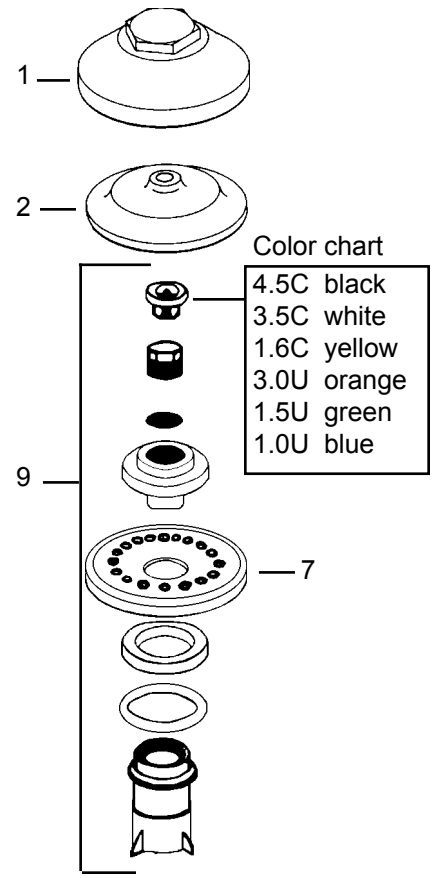
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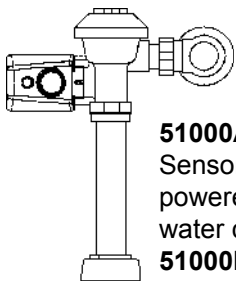
Item	Cat #	Description
1	51741	outside cover, chrome plated
2	51007	inside cover
7	51011	blue diaphragm kit
9	51774	closet rebuild kit 4.5 gpf
	51775	closet rebuild kit 3.5 gpf
	51776	closet rebuild kit 1.6 gpf
	51777	urinal rebuild kit 3.0 gpf
	51778	urinal rebuild kit 1.5 gpf
	51779	urinal rebuild kit 1.0 gpf
11	51754	trip mechanism
12	51755	main valve body
13	51756	gasket
14	51757	solenoid valve
15	51758	solenoid valve retainer clip
16	51773	solenoid valve kit
17	51759	metal housing
18	51760	sensor lens
19	51761	sensor lens screw (2 req'd)
20	51762	sensor electronics
21	51763	sensor screw (2 req'd)
22	51764	battery holder and cable
23	51765	seal
24	51766	metal housing cover
25	51767	o-ring
26	51768	cover screw
27	51769	cover screw wrench
28	51770	metal cover kit
29	51771	high volume sensor
	51772	low volume sensor



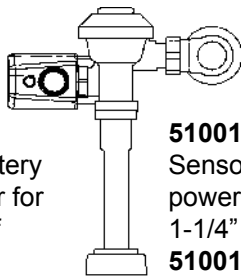
Retrofit kit

- 51786** Closet kit 3.5 gpf
- 51787** Closet kit 1.6 gpf
- 51788** Urinal kit 3.0 gpf
- 51789** Urinal kit 1.5 gpf
- 51790** Urinal kit 1.0 gpf

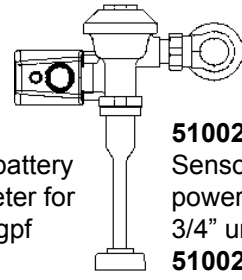




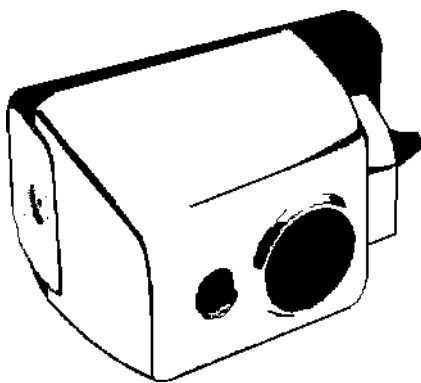
51000A
Sensor operated battery
powered flushometer for
water closets 3.5 gpf
51000B 1.6 gpf



51001A
Sensor operated battery
powered flushometer for
1-1/4" urinals 1.5 gpf
51001D 1.0 gpf



51002A
Sensor operated battery
powered flushometer for
3/4" urinals 1.5 gpf
51002D 1.0 gpf

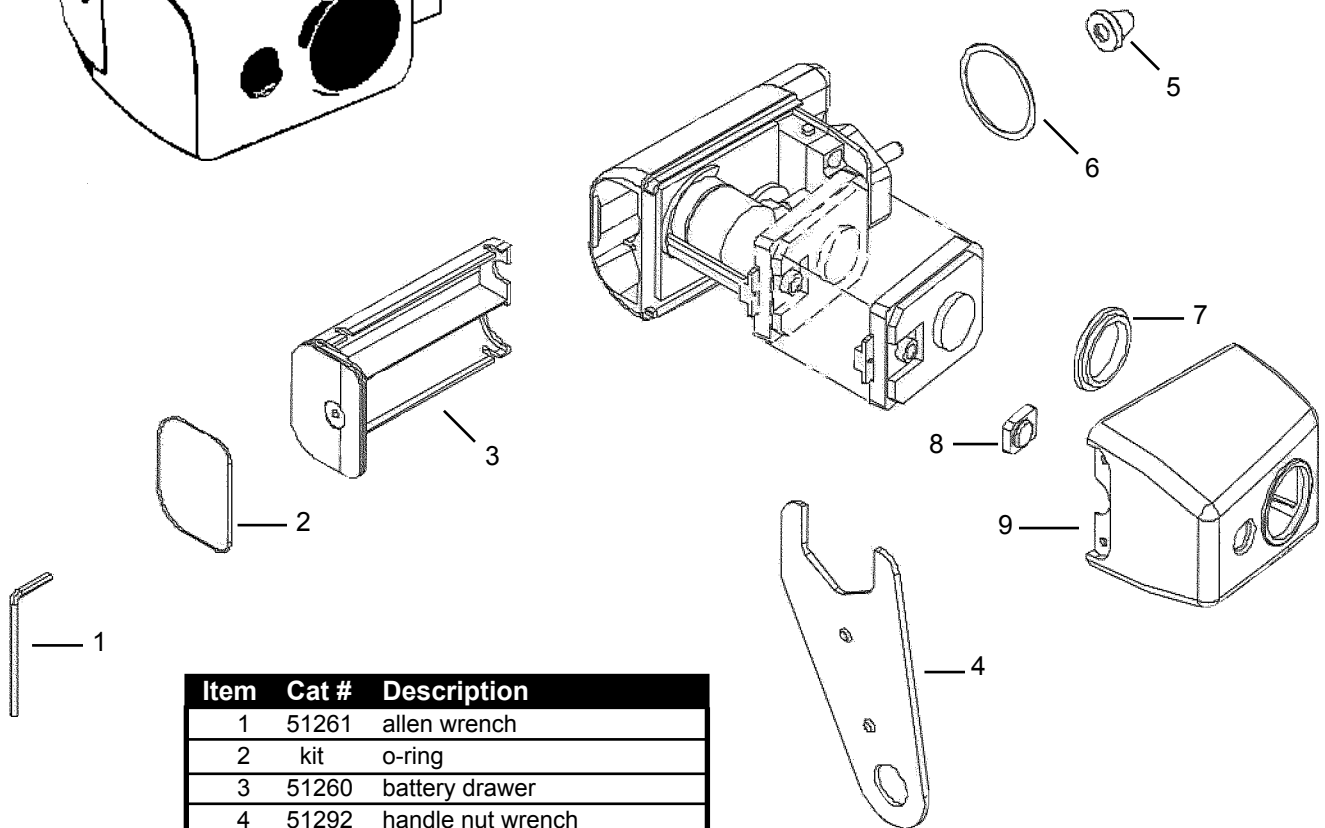


Sloan / Zurn retrofit

51785 Closet/urinal retrofit with
override button

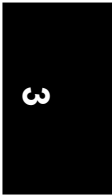
Delany retrofit

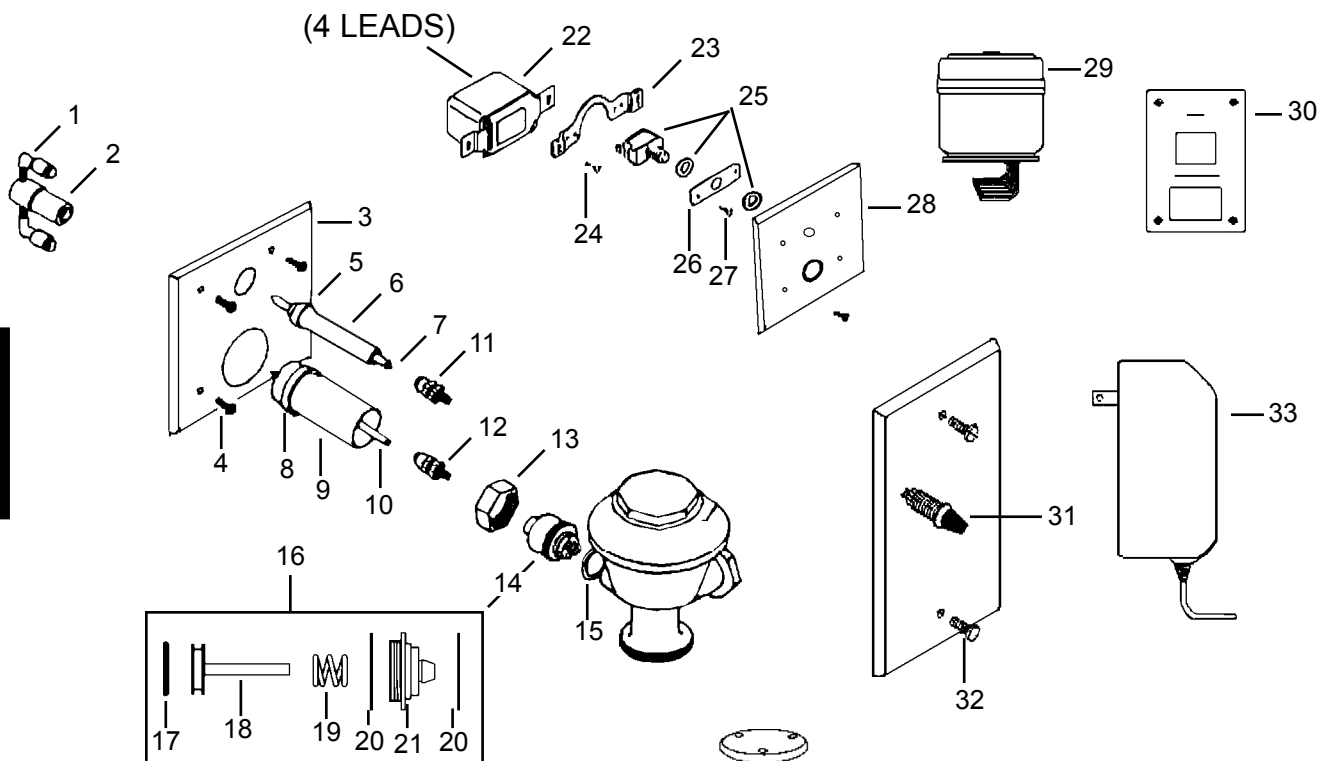
51784 Closet/urinal retrofit with
override button



Item	Cat #	Description
1	51261	allen wrench
2	kit	o-ring
3	51260	battery drawer
4	51292	handle nut wrench
5	51023	hycar seal
6	51024	handle gasket
7	51293	replacement lens
8	51264	courtesy button
9	51294	chrome plastic cover
	51295	chrome metal cover

51262 Repair kit includes items (2, 5, 6, 8)





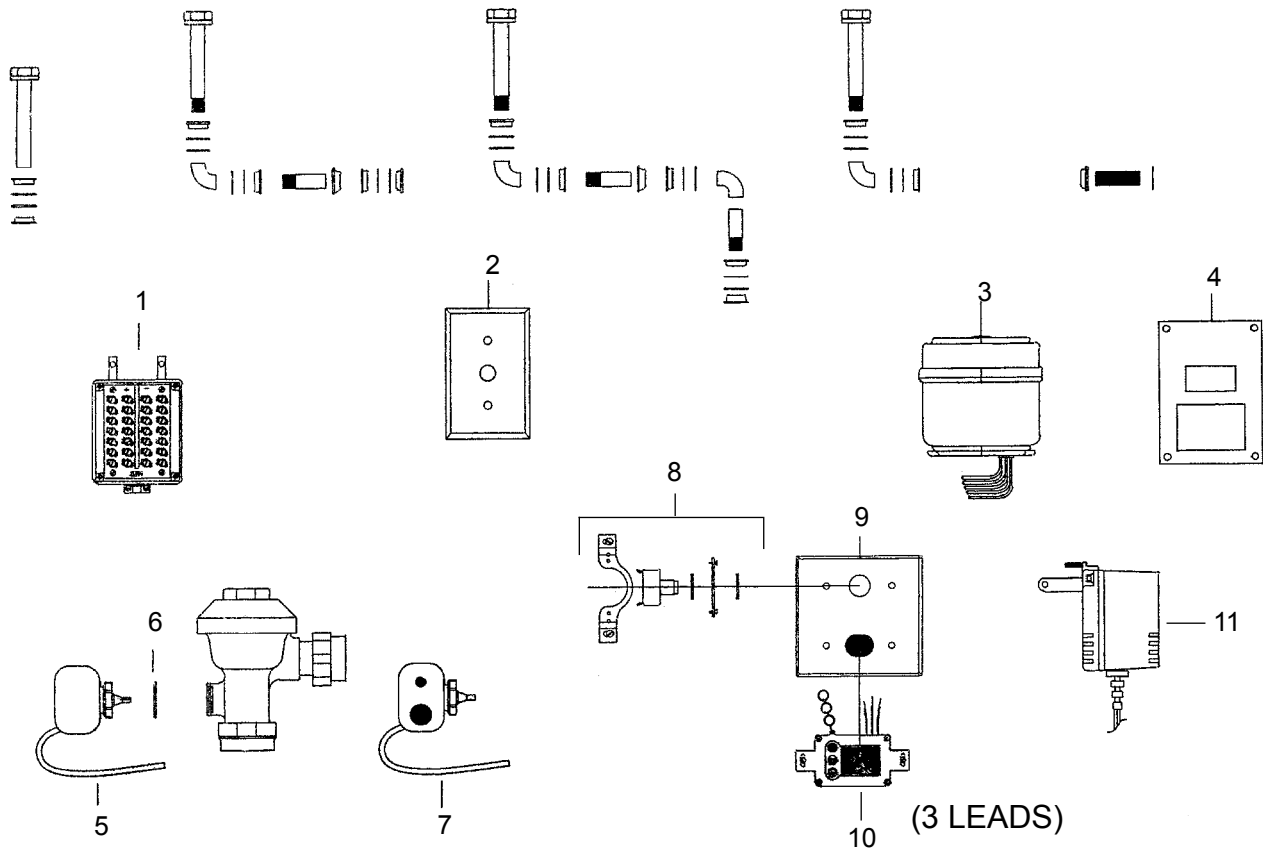
3

AquaVantage Diaphragm Kit

- 50994** ZN-3.5N closet repair kit
- 50995** ZN-1.6N closet repair kit
- 50996** ZN-3.0N urinal repair kit
- 50997** ZN-1.5N urinal repair kit
- 50998** ZN-1.0N urinal repair kit

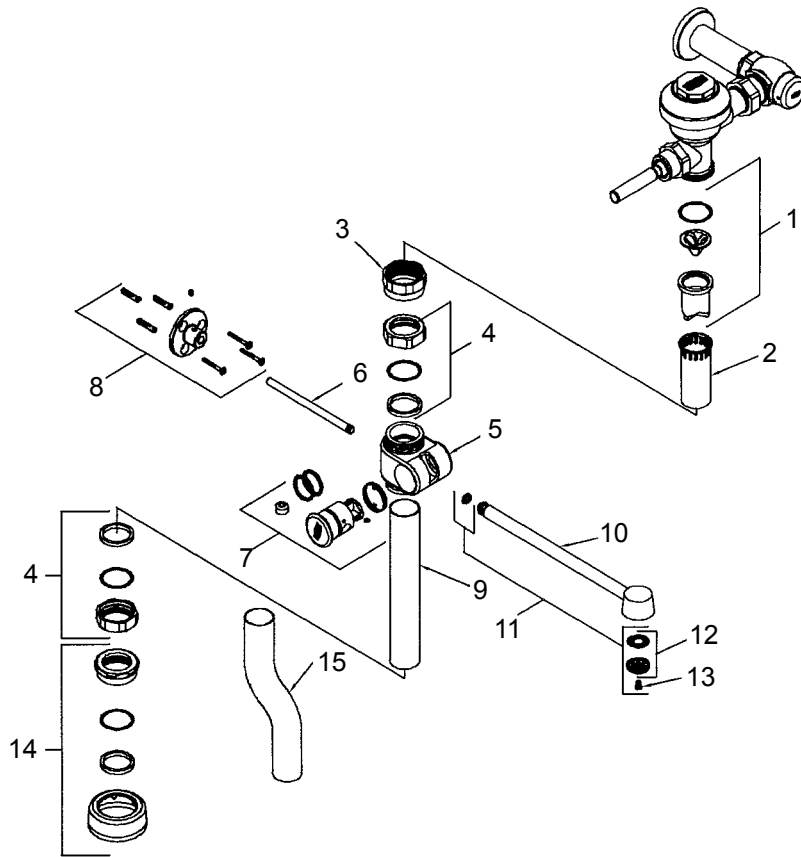
Item	Cat #	Description
1	51250	elbow fittings (set of 2)
2	51251	solenoid valve
3	51252	cover plate
4	51253	screw (4 req'd)
5	51254	supply cover tube ring, cp
6	51255	supply cover tube, cp
7	51256	supply tube
8	51257	return cover tube ring, cp
9	51258	return cover tube, cp
10	51259	return tube
11	51260	1/16" compression fitting
12	51261	1/8" compression fitting
13	51262	handle nut
14	51235	actuator cylinder assembly, rb
15	51264	washer
16	51235	plunger assembly
17	51200	o-ring
18	51020	plunger
19	51021	plunger spring
20	51024	handle gasket

Item	Cat #	Description
21	51022	handle seal retainer
22	51280	sensor, closet
	51279	sensor, urinal
23	51266	yoke
24	51267	yoke screws (set of 2)
25	51268	push button
26	51269	bracket
27	51270	bracket screws (set of 2)
28	51271	sensor cover plate
29	51272	battery back up
30	51273	wall bracket
31	51274	indicator light
32	51275	screw (2 req'd)
33	51276	power cube

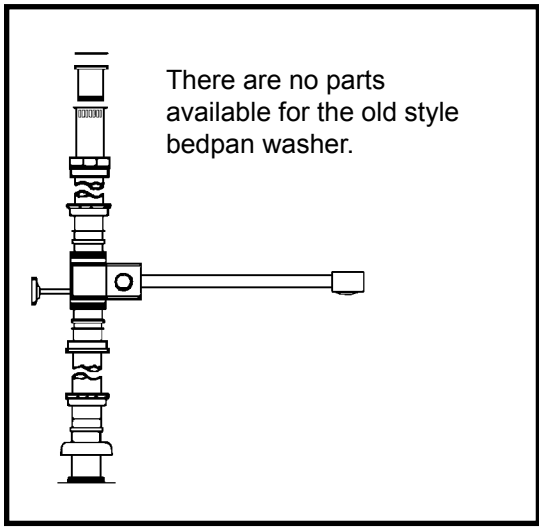


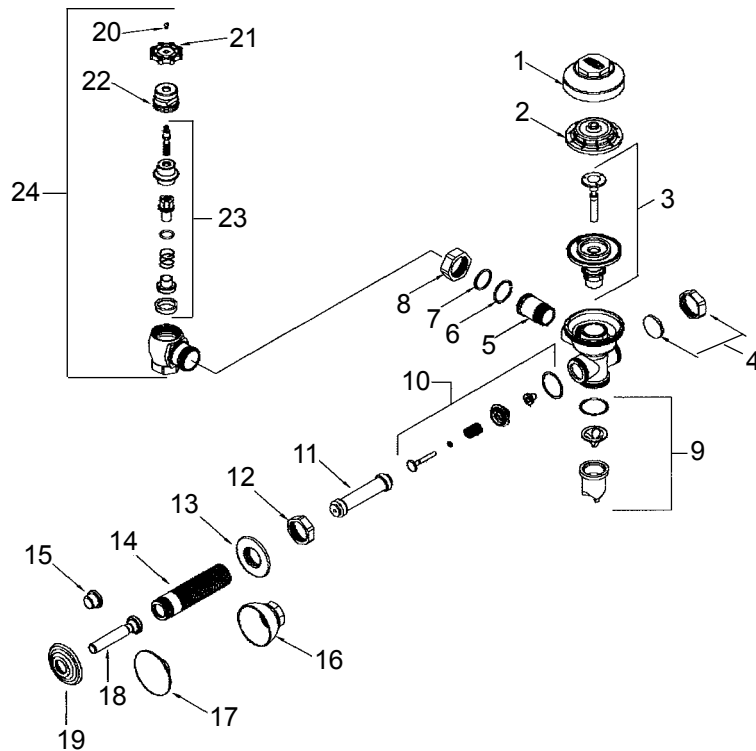
Item	Cat #	Description
1	51284	mini junction box
2	51285	cover plate for battery
3	51286	battery back-up assembly
4	51287	wall bracket for battery
5	51281	concealed actuator assy.
6	51024	handle gasket
7	51282	exposed actuator assy.
8	51268	override push button assy.
9	51288	closet sensor cover plate
10	51265	closet sensor
	51277	urinal sensor
11	51289	6 VDC power converter
	51290	hardwire power converter (not shown)

3



Item	Cat #	Description
1	51031	vacuum breaker kit
2	51137	vacuum breaker tube
3	51138	vacuum breaker nut
4	33026	coupling assembly 1-1/2"
5	51125	diverter body
6	51130	support rod
7	51126	pivot replacement kit
8	51129	wall flange with set screw
9	51133	bottom tube
10	51131	spray arm 12"
11	51132	spray arm repair kit
12	51127	spray disc and screen
13	51128	spray disc screw
14	51131	spud coupling assy. 1-1/2"
15	51134	bottom tube with offset



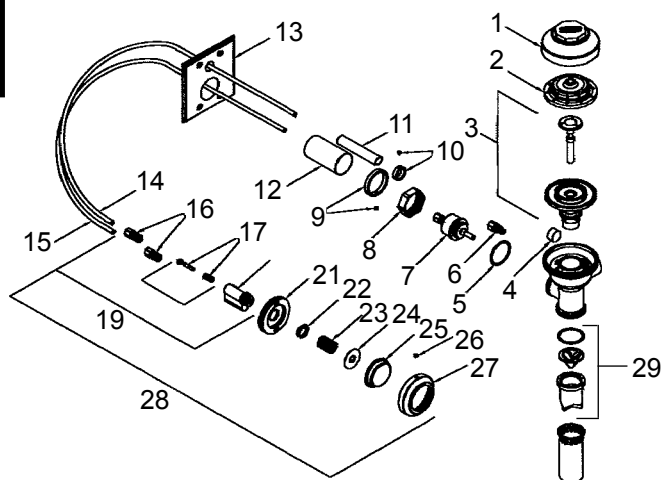


Item	Cat #	Description
1	51400	outside cover, RB
2	51007	inside cover
3	50994	closet repair kit 3.5 gpf
	50995	closet repair kit 1.6 gpf
	50996	urinal repair kit 3.0 gpf
	50997	urinal repair kit 1.5 gpf
	50998	urinal repair kit 1.0 gpf
4	51401	solid handle nut/gasket
5	51034	stop nipple assy. 2-3/4"
6	51035	snap ring
7	11547	o-ring
8	51032	stop coupling nut
9	51031	vacuum breaker kit
10	51026	handle repair kit
11	*	push rod/filler rod

Item	Cat #	Description
12	51402	handle nut
13	51403	adjusting nut
14	*	sleeve socket
15	51404	1" metal push button
16	51405	bell nut
17	51278	3" metal push button
18	51019	handle
19	51406	wall escutcheon
20	51407	wheel handle screw
21	51408	wheel handle
22	51409	stop cap
23	51410	stop repair kit
24	51411	wheel handle stop 1"
	51412	wheel handle stop 3/4"

* Special order Item, need specific length

3



Item	Cat #	Description
1	51741	outside cover
2	51007	inside cover
3	50994	closet rebuild kit 3.5 gpf
	50997	urinal rebuild kit 1.5 gpf
4	51245	filter
5	51024	handle gasket
6	51203	1/16" fitting
7	51235	handle repair kit
8	51204	handle nut
9	51205	cover tube ring w/set screw
10	51206	cover tube ring w/set screw
11	51208	supply cover tube
12	21209	return cover tube
13	51212	chrome plate cover
14	51210	1/4" supply tube
15	51211	1/4" return tube
16	51213	1/8" fitting
	51221	1/8" fitting 90 elbow
17	51238	actuator repair kit
19	51236	actuator assembly straight
	51237	actuator assembly side wall
21	51222	mounting plate
22	51223	securing nut
23	51224	spring for large push button
	51229	spring for small push button
24	51225	spacer for large push button
25	51226	large push button
	51230	small metal push button
26	51227	set screw
27	51228	escutcheon for large p-b
	51231	escutcheon for small p-b
28	51239	small metal push button assy.
	51240	large push button assy.
	51241	metal push button penal assy
	51242	large push button side wall
29	51031	vacuum breaker kit