

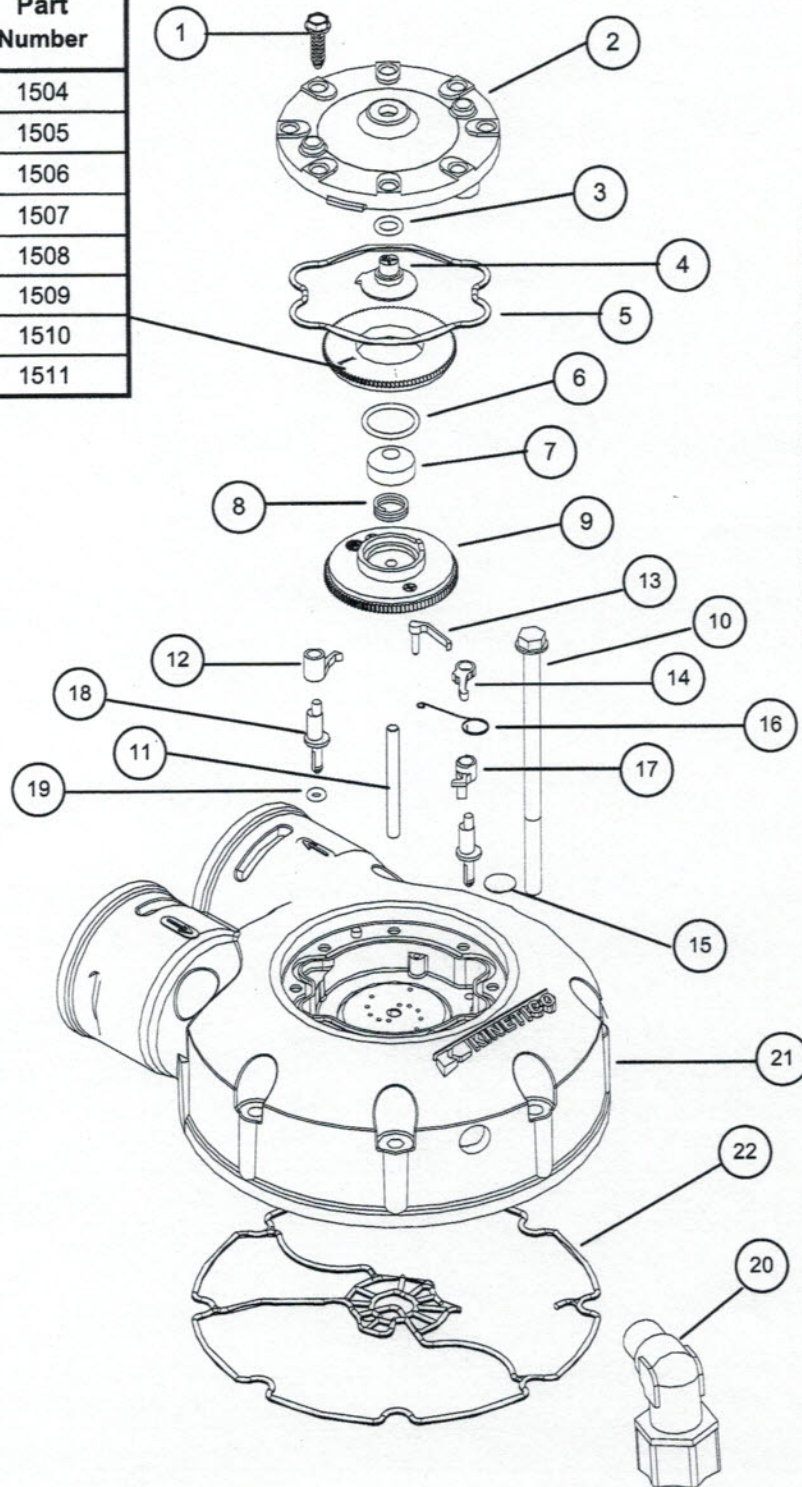
Combination Systems

**4060s OD AC
4060s OD MAC
4040s OD**

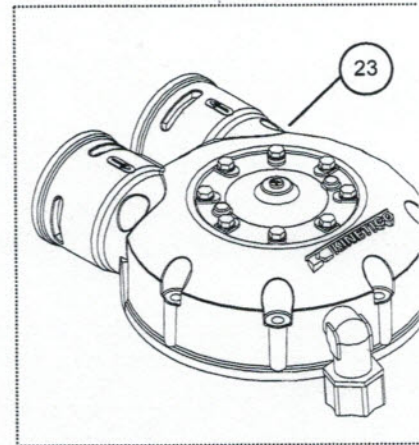
Level One Assembly

Overdrive™ Backwashing Units

Meter Disc	Part Number
1	1504
2	1505
3	1506
4	1507
5	1508
6	1509
7	1510
8	1511



Complete Assembly



Part numbers appear on next page.

Notes

1. Metering discs are the same for all models and should be chosen from the appropriate disc selection chart. Part numbers are on previous page.
2. Locate the correct part from the exploded drawing on previous page, and use it to find the correct row in table below. The standard model number determines the correct column.

Dwg. No.	Description	Quantity Required	Model Number		
			4060s OD AC	4060s OD MAC	4040s OD
1	Cap Screw	8	1010	1010	1010
2	Cap	1	8698B	8698B	9044B
3	O-ring, Actuator	1	1460	1460	1460
4	Actuator	1	9284A	9284A	9284A
5	Seal, Cap	1	8628	8628	8628
6	O-ring, Balance Piston	1	1070	1070	1070
7	Balance Piston	1	9260	9260	9260
8	Spring, Balance Piston	1	5448	5448	5448
9	Control Disc	1	8637 (orange)	8637 (orange)	11719 (lt. gre)
10	Screw, Main Valve	8	1830	1830	1830
11	Support Pin	1	1023	1023	1023
12	Pawl, Regeneration Drive	1	5511	5511	5511
13	Pawl, No Back	1	7097	7097	7097
14	Pawl, Meter Drive	1	7014	7014	7014
15	Filter, Level One (35 M)	1	10781	10781	10781
16	Spring, Meter Drive	1	7010	7010	7010
17	Pawl, Regeneration Start	1	1783	1783	1783
18	Eccentric Pin	2	1520	1520	1520
19	Regeneration O-ring	1	2657	2657	2657
20	Elbow, Level One Drain, 1/2"	1	72631	72631	---
21	Level One Shell	1	11111	11111	11004
22	Level One Seal	1	8471	8471	8471
23	Level One Assembly UT	1	11219A	11226A	11061A
*	Meter Nozzle	1	11018	11018	11018

*See Gearing Stacks (Page 4) for Meter Nozzle location.

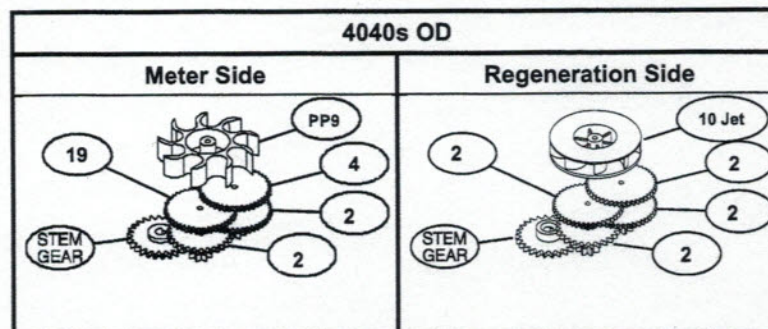
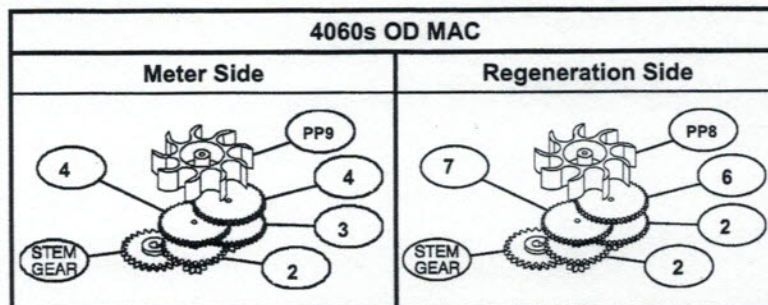
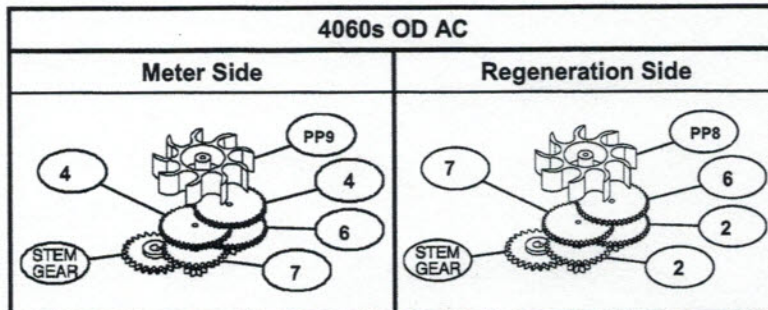
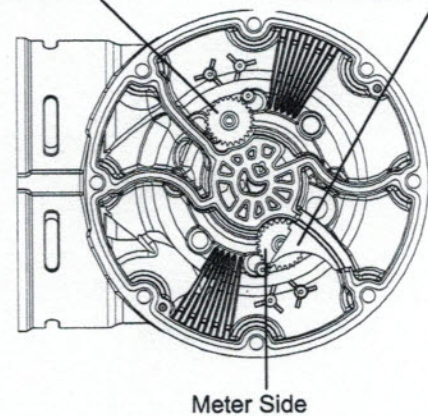
Gearing Stacks

Notes

1. Use the model number to locate the correct set of drawings.
2. Use the side (Meter or Regeneration) to locate the correct stack.
3. Use the table to correlate gear number to part number.

Regeneration Side

Meter Nozzle



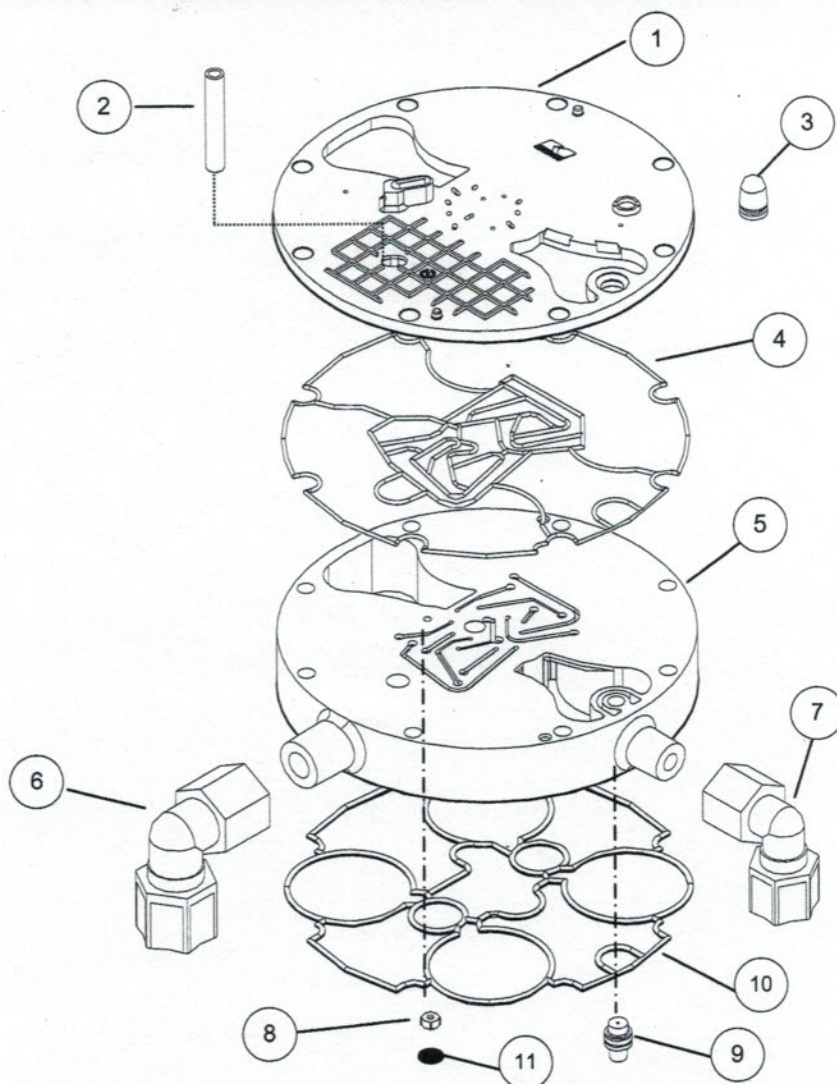
Gear Alignment Clip
Replaces E-rings, washers, and retainer.



Description	Part No.
Gear #1	1522
Gear #2	1523
Gear #3	1524
Gear #4	1525
Gear #5	1526
Gear #6	1527
Gear #7	1528
Gear #19	2439
Turbine #PP8	9272A
Turbine #PP9	9258
Turbine #10 Jet	8781F
Stem Gear	1521
Nozzle, Meter, Half Louver	11018
Gear Alignment Clip	11902A

Notes

1. Locate the correct part from the exploded drawing on the right, and use it to find the correct row in the table below. The standard model number determines the correct column.
2. The 4060s OD AC and the 4060s OD MAC use a Vent Plug. The 4040s OD uses a Vent Tube.

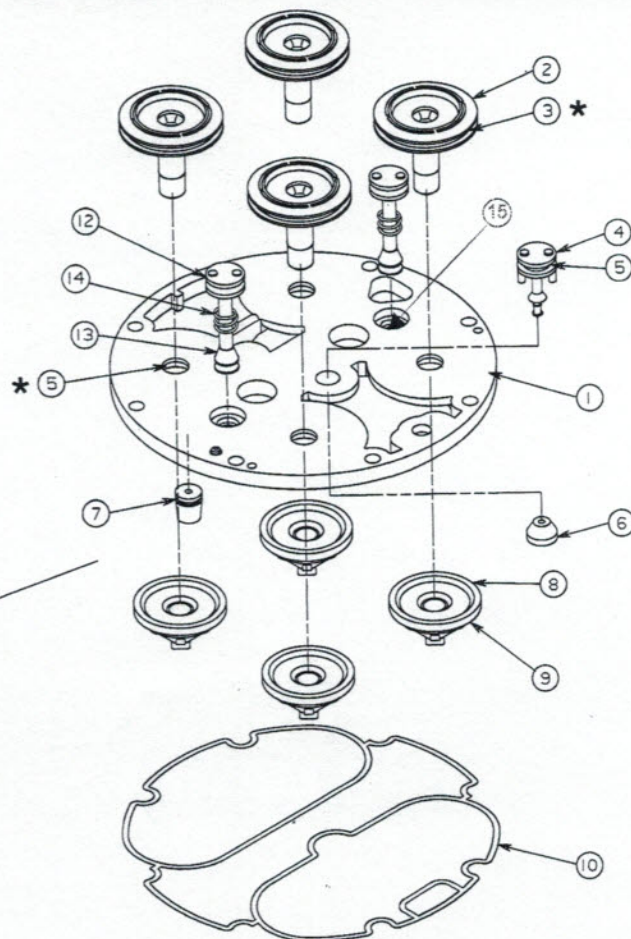
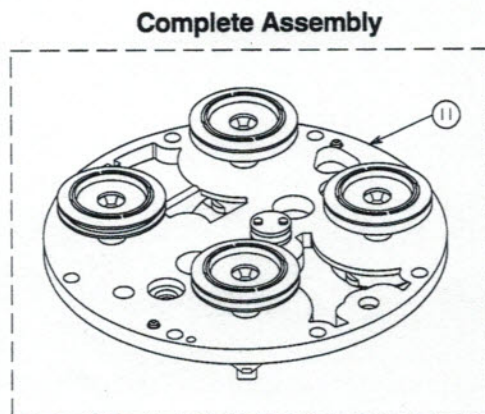


Dwg. No.	Description	Quantity Required	Model Number		
			4060s OD AC	4060s OD MAC	4040s OD
1	Level Two	1	8603	8603	8784C
2	Vent Plug/Vent Tube	1	7624	7624	1480
3	Brine Flow Control	1	8788A	8788A	5156 (blue)
4	Level Two Seal	1	8618	8618	8630
5	Level Three	1	8652B	8652B	8915C
6	Drain Elbow	1	1850	1850	1850
7	Brine Elbow	1	1840	1840	1840
8	Regeneration Flow Control	1	6587	6587	9183B
9	Venturi Throat with O-ring	1	10060 (Orange)	10060 (orange)	1043 (white)
10	Level Three Seal	1	8619	8619	8631
11	Filter Disc	1	---	---	11017A

Level Four Assembly

Notes

1. Locate the correct part from the exploded drawing on the right, and use it to find the correct row in the table below. The standard model number determines the correct column.
2. Parts marked with * are for replacement.

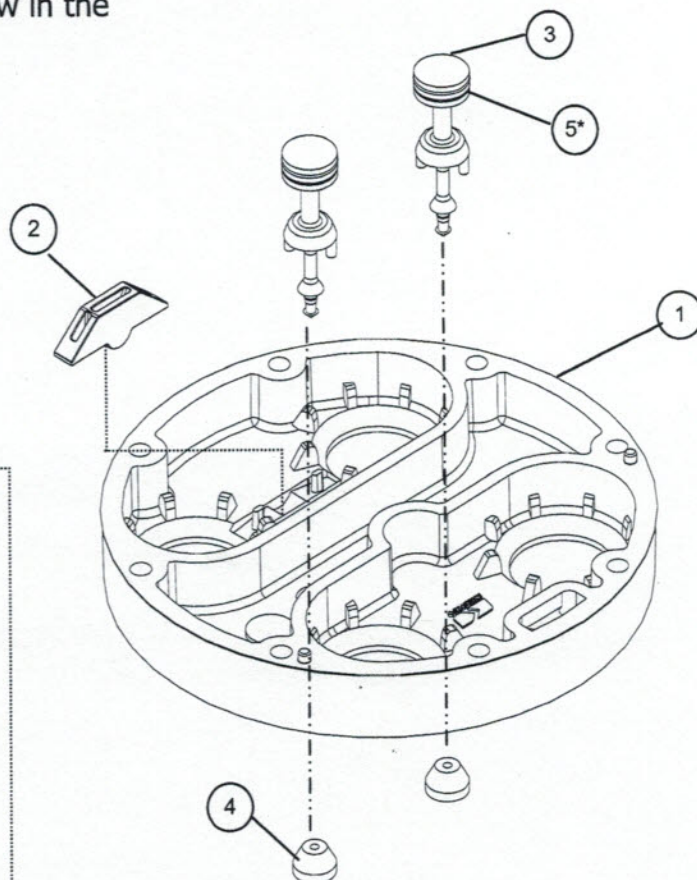
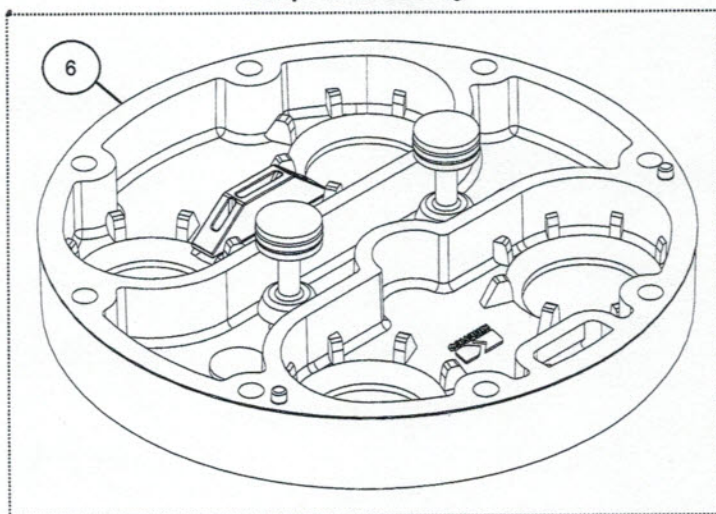


Dwg. No.	Description	Quantity Required	Model Number		
			4060s OD AC	4060s OD MAC	4040s OD
1	Level Four w/Retainers	1	8660	8660	5268A
2	Main Valve Piston	4	2464	2464	2464
3	Quad Ring 125, Piston	4	1550	1550	1550
4	Control Valve – Spring Loaded	1	P13673	P13673	P13673
5	Quad Ring, Drain/Control Valve*	-	1590	1590	1590
6	Seal, Drain/Control Valve	1	7869	7869	7869
7	Flow Control, Backwash	1	1422	1055	1424
8	Main Valve Seat	4	2465	2465	2465
9	Main Valve Seat Seal*	-	7865	7865	7865
10	Level Four Seal	1	8632	8632	8632
11	Level Four Assembly	1	9088	9087	5300
12	Purge Valve Body w/Quad	2	8657	8657	-
13	Purge Valve Head w/Seal	2	8656	8656	-
14	Purge Valve Spring	2	8624	8624	-
15	Quad Ring, Purge Valve	2	8654	8654	-

Notes

1. Locate the correct part from the exploded drawing on the right, and use it to find the correct row in the table below. The standard model number determines the correct column.
2. Parts marked with * are for replacement.

Complete Assembly



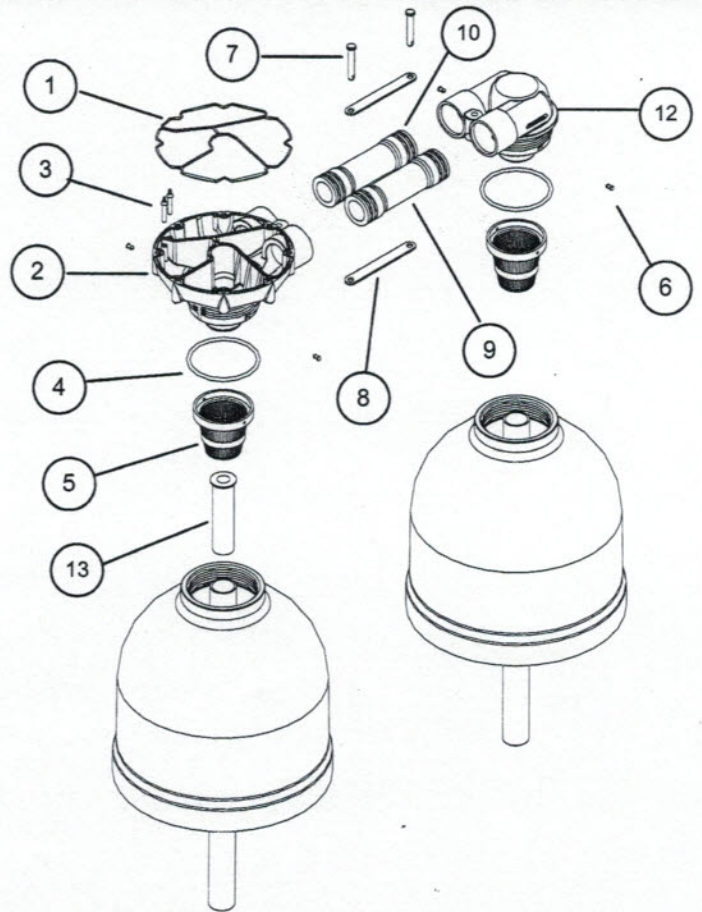
Dwg. No.	Description	Quantity Required	Model Number		
			4060s OD AC	4060s OD MAC	4040s OD
1	Level Five DFFR/STD	1	8612A	8612A	7866B †
2	Interlock	1	9261	9261	9261
3	Drain Valve w/Quad	2	P7872	P7872	P7872
4	Drain/Control Valve Seal	2	7869	7869	7869
5	Quad, Drain/Control Valve	2	1590	1590	1590
6	Level Five Assembly	1	8695	8695	8102A

† Not DFFR

Bases and Connecting Pipes

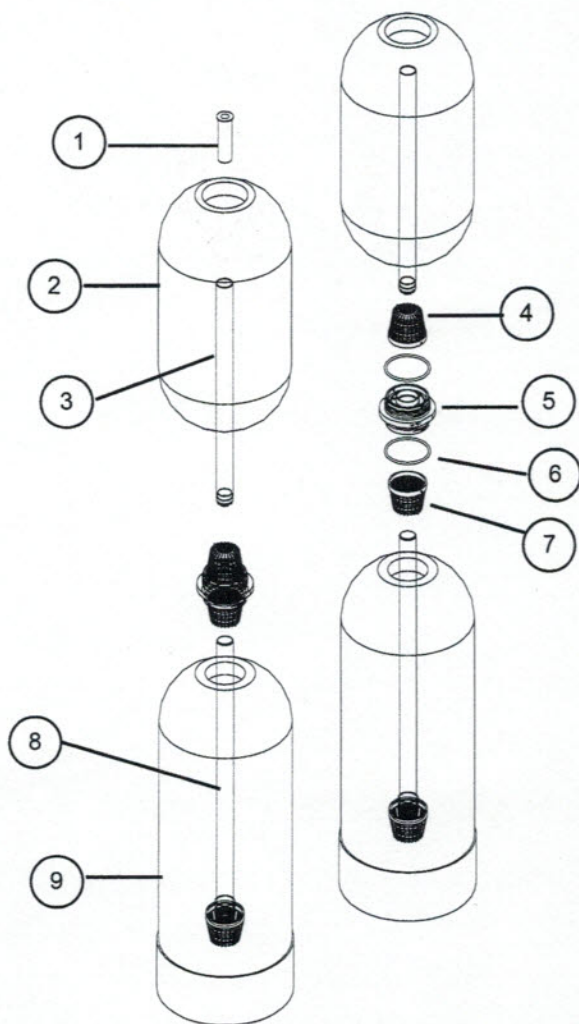
Notes

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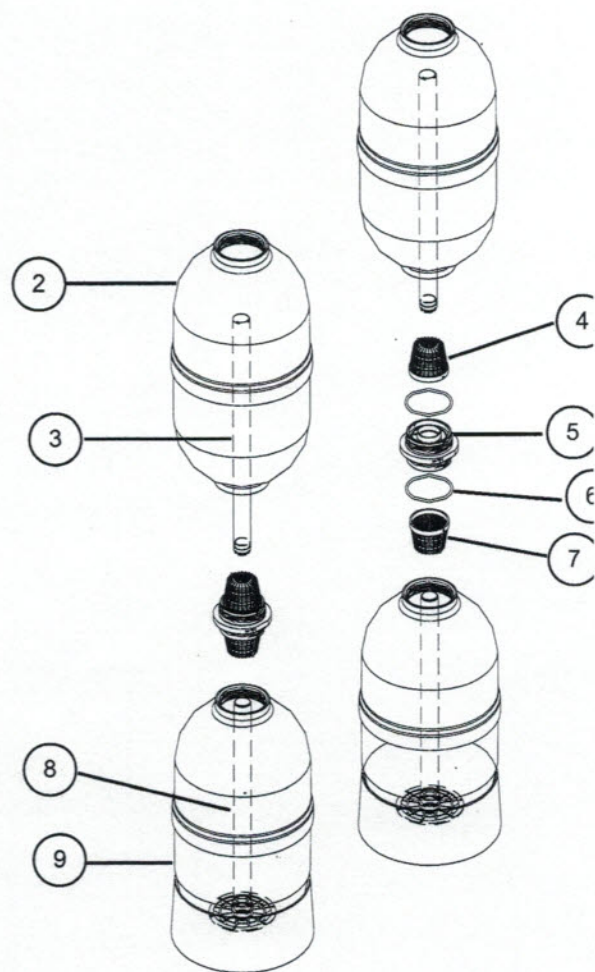


Dwg. No.	Description	Quantity Required	Model Number		
			4060s OD AC	4060s OD MAC	4040s OD
1	Seal, Main Base	1	8620	8620	8633
2	Main Base	1	8651B*	8651B*	1665B
3	Check Stem	2	8627	8627	8627
4	O-ring, Base	2	8925	8925	8925
5	Upper Distributor	2	2160A	---	9251
6	Clip	4	10279	---	---
7	Connector Pin	2	4742	4742	4742
8	Connector Link	2	2845	2845	2845
9	Connector Pipe	2	11323	11323	11323
10	O-ring, Connector	8	1328	1328	1328
11	Kit, Tank Connector	1	11014A	11014A	11014A
12	Remote Base	1	1343A	1343A	1343A
13	Flow Restrictor	1	5567A	5567A	5567A
	Resin, cubic foot	1CF	13672	13672	13370
	Resin, .1 cubic foot	.1 CF	2564	2564	9815A

* Denotes DFFR Level-6

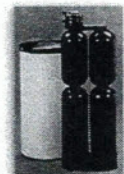
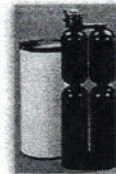


**4060s OD AC
4060s OD MAC**



4040s OD

Dwg. No.	Description	Quantity Required	Model Number		
			4060s OD AC	4060s OD MAC	4040s OD
1	Main Tank Restrictor Tube	1	5567A	5567A	---
2	Media Tank - Top	2	11108A	11108A	11108A
3	Distributor Tube - Top Tank	2	8216	8216	8216
4	Lower Distributor - Top Tank	1	9251	9251	9251
5	Nipple Connector	2	8214A	8214A	8214A
6	Base O-ring	4	8925	8925	8925
7	Upper Distributor - Bottom Tank	1	9251	9251	9251
8	Distributor Tube - Bottom Tank	2	13435	13435	snap fit
9	Media Tank - Bottom	2	13428	13428	11107A
---	Resin	cf#	1093A	1093A	13370
---	Resin	.1cf#	2564	2564	9815A
---	Carbon	cf#	10860C	---	10860C



Kinetico® Series Model	4040s OD	4060s OD Macrolite®	4060s OD AC
Certifications	NSF 44 WQA 44	NSF 42, 44 WQA 44	NSF 44 WQA 44
Class	DIR	POE Class III, DIR	DIR
Efficiency	Yes	Yes	Yes
Flow Rate	11 gpm @ 15 psi	11 gpm @ 15 psi	11 gpm @ 15 psi
Max Hardness	44 gpg	42 gpg	31 gpg
Inlet Size	¾" - 1.5"	¾" - 1.5"	¾" - 1.5"
Tank Size	Top 8 x 17" Bottom 8 x 17"	Top 8 x 17" Bottom 8 x 24"	Top 8 x 17" Bottom 8 x 24"
Distributor	1"	1"	1"
Resin Qty	0.4 cu. ft.	0.7 cu. ft.	0.7 cu. ft.
Filter Qty	0.4 cu. ft.	0.2 cu. ft.	0.25 cu. ft.
Underbed	none	6 lbs	6 lbs.
Capacities			
Minimum	4,921 @ 1.0	14,883 @ 4.4	13,303 @ 4.0
Maximum	4,921 @ 1.0	14,883 @ 4.4	13,303 @ 4.0
Valve Type	1.25" 3 cycle	1.25" 5 cycle DFFR	1.25" 5 cycle DFFR
Cycle Initiation	Meter	Meter	Meter
Regen Water/Time	13 gal / 11 min	65 gal / 40 min	50 gal / 40 min
Max Drain Flow	3.7 gpm	3.4 gpm	2.9 gpm
Electrical	None	None	None
Notes	Top tank fine mesh resin Bottom tank activated carbon Upflow service Overdrive	Top tank Macrolite 5 micron filter Bottom tank standard mesh resin Downflow service Overdrive	Top tank activated carbon Bottom tank standard mesh resin Downflow service Overdrive

System Components

Upper Media Vessel (qty) Size	(2) 8" x 17"
Vessel Construction	Polypropylene Wrapped
Bed Volume (empty / media)	0.4 / 0.4 ft ³
Media Type	Non Solvent Fine Mesh Cation Resin
Lower Media Vessel (qty) Size	(2) 8" x 17"
Vessel Construction	Polypropylene Wrapped
Bed Volume (empty / media)	0.4 / 0.4 ft ³
Media Type	Activated Carbon
Riser Tube	1.0", ABS
Distributors: Upper	0.009" Slots, Noryl Basket
Lower	0.009" Slots, Stainless Steel Plate
Under Bedding	None
Service / Regeneration	Upflow / Countercurrent
Meter Type	0.30 – 25.00 gpm Polypropylene Turbine

Inlet Water Quality

Pressure	25 – 125 psi
Temperature	35 – 120°F
pH	5 - 10 SU
Cl ₂ , Maximum	2.0 mg/L
Hardness, Maximum	44 gpg

Operating Specifications

Flow Rate (15 – 30 psi differential)	11.0 – 15.0 gpm
Flow Rate (service)	11.0 gpm
Flow Configuration	Overdrive
Dimensions (width x depth x height)	17" x 8" x 42"

Regeneration Specifications

Regeneration Volume	13 gallons
Regeneration Time	11 minutes
Backwash Flow Control	3.50 gpm
Brine Refill Flow Control	0.40 gpm

System Connections

Inlet / Outlet Connections	1½" Custom Adapter and E-clip
PN 10739	1½" THD Plastic Adapter
PN 11615	1½" PVC Glue Adapter
PN 11049	1" Sweat Brass Adapter
PN 11048	1½" – 1" Sweat Brass Adapter
PN 10749	1" FNPT Brass Adapter
Drain Connection	0.5" Tube
Brine Line Connection	0.375" Tube
Power	None

System Part Numbers

Kinetico 4040s, Overdrive (carbon), 12 x 16 x 20 brine drum	11057
Kinetico 4040s, Overdrive (carbon), no drum	11058

Brine Tank Options

Brine Tank Description	12 x 16 x 20	K-Spray	18 x 35
Brine Tank Part Number	7202	9763	7938
Tank Height	20"	35"	35"
Tank Footprint	12" x 16"	18"	18"
Material of Construction	HDPE	HDPE	HDPE
Salt Capacity	50 lbs.	200 lbs.	250 lbs.

Regeneration

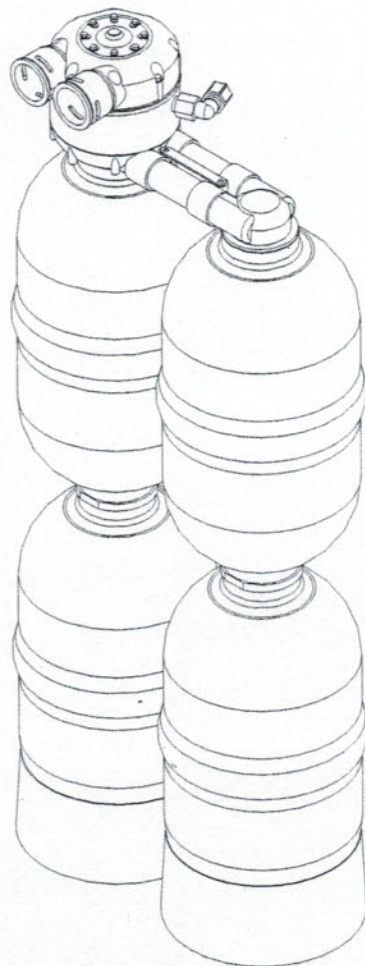
Setting	Capacity	Efficiency	Dosing
*1.0 lbs.	4,921 grains	4,921 grains/lb.	2.5 lbs./ft ³

* Certified by NSF and/or WQA

Disc Selection (Compensated Hardness**)

Meter Disc	1	2	3	4	5	6	7	8
Gallons/Regen	657	329	219	164	131	110	94	82

** Compensated Hardness in gpg = (Hardness + 3 x Fe mg/L)



Service Notes

- ▶ Meter = 6.5 gallons per tooth
- ▶ This is an overdrive unit.
- ▶ Uses light green control disc, part number 11719.
- ▶ Fine mesh resin in the top tanks.
- ▶ 8 x 16 mesh carbon in the bottom tanks.
- ▶ No gravel underbed.
- ▶ Uses dual distributor tube system.
- ▶ Do not attempt to remove distributor tubes from top or bottom tanks. They are snap fit and cannot be removed.
- ▶ This is an upflow service unit.
- ▶ Must be prefiltered.
- ▶ Uses main tank flow restrictor, part number 5567A.
- ▶ Can be plumbed in 3/4", 1", 1 1/4", or 1 1/2" plumbing.
- ▶ Level One center to center is 2 1/2".

Estimated Carbon Effectiveness

Inlet Free Cl ₂	Gallons	Time
0.25 mg/L	480,000	36 months
0.5 mg/L	304,000	24 months
1.0 mg/L	197,000	18 months
1.5 mg/L	128,000	15 months
2.0 mg/L	80,000	12 months
3.0 mg/L	40,000	6 months
4.0 mg/L	20,000	3 months

System Components

Upper Media Vessel (qty) Size	(2) 8" x 17"
Vessel Construction	Polypropylene Wrapped
Bed Volume (empty / media)	0.4 / 0.2 ft ³
Media Type	Macrolite®
Lower Media Vessel (qty) Size	(2) 8" x 24"
Vessel Construction	Fiberglass Wound Polyethylene
Bed Volume (empty / media)	0.7 / 0.7 ft ³
Media Type	Non Solvent Cation Resin
Riser Tube	1.0", ABS
Distributors: Upper	0.009" Slots, Noryl Basket
Lower	0.009" Slots, Noryl Basket
Under Bedding (upper tank)	¼ x ½ Gravel
Service / Regeneration	Downflow / Countercurrent
Meter Type	0.30 – 25.00 gpm Polypropylene Turbine

Inlet Water Quality

Pressure	25 – 125 psi
Temperature	35 – 120°F
pH	5 - 10 SU
Cl ₂ , Maximum	2.0 mg/L
Hardness, Maximum	42 gpg

Operating Specifications

Flow Rate (15 – 30 psi differential)	11.5 – 18.0 gpm
Flow Rate (service)	11.5 gpm
Flow Configuration	Overdrive
Dimensions (width x depth x height)	17" x 8" x 48"

Regeneration Specifications

Regeneration Volume	65 gallons
Regeneration Time	40 minutes
Backwash Flow Control	3.00 gpm
Brine Refill Flow Control	0.40 gpm

System Connections

Inlet / Outlet Connections	1¼" Custom Adapter and E-clip
PN 10739	1¼" THD Plastic Adapter
PN 11615	1¼" PVC Glue Adapter
PN 11049	1" Sweat Brass Adapter
PN 11048	1¼" – 1½" Sweat Brass Adapter
PN 10749	1" FNPT Brass Adapter
Drain Connection	0.5" Tube
Brine Line Connection	0.375" Tube
Power	None

System Part Numbers

Kinetico 4060s, Overdrive (Macrolite), 18 x 35 brine drum	11223
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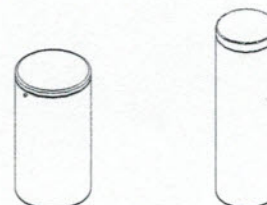
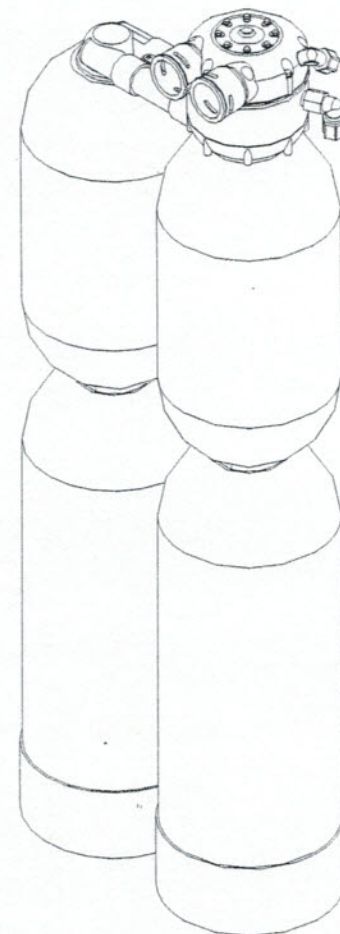
Brine Tank Options

Brine Tank Description	18 x 35	12 x 40
Brine Tank Part Number	7938	1479A
Tank Height	35"	40"
Tank Footprint	18"	12"
Material of Construction	HDPE	HDPE
Salt Capacity	250 lbs.	100 lbs.

Regeneration

Setting	Capacity	Efficiency	Dosing
* 4.4 lbs.	14,883 grains	3,382 grains/lb.	6.3 lbs./ft ³

* Certified by NSF and/or WQA



Disc Selection (Compensated Hardness**)

Meter Disc	1	2	3	4	5	6	7	8
Gallons/Regen	4	9	15	20	25	31	37	42
	1,253	627	418	313	251	209	179	157

** Compensated Hardness in gpg = (Hardness + 3 x Fe mg/L)

Service Notes

- ▶ Meter = 13.0 gallons per tooth
- ▶ This is an overdrive unit.
- ▶ Uses orange control disc, part number 8637.
- ▶ Uses main tank flow restrictor, part number 5567A.
- ▶ Uses dual distributor tube system.
- ▶ This is a downflow service unit.
- ▶ Uses 40 x 60 mesh Macrolite in the upper tanks with gravel underbed.
- ▶ Uses standard mesh resin in the lower tanks.
- ▶ **DO NOT LAY SYSTEM DOWN WHEN TRANSPORTING.**
- ▶ Can be plumbed in ¾", 1", 1¼", or 1½" plumbing.
- ▶ On iron bearing water, use salt that contains resin cleaning additives.
- ▶ This unit is designed to be used with fully oxidized iron.
- ▶ Level One center to center is 2½".

Kinetico® 4060s OD (Carbon)

System Components

Upper Media Vessel (qty) Size	(2) 8" x 17"
Vessel Construction	Polypropylene Wrapped
Bed Volume (empty / media)	0.4 / 0.25 ft ³
Media Type	Activated Carbon
Free Board	4" - 5"
Lower Media Vessel (qty) Size	(2) 8" x 24"
Vessel Construction	Fiberglass Wound Polyethylene
Bed Volume (empty / media)	0.7 / 0.7 ft ³ , Packed
Media Type	Non Solvent Cation Resin
Riser Tube	1.0", ABS
Distributors: Upper	0.009" Slots, Noryl Basket
Lower	0.007" Slots, Noryl Basket
Under Bedding (upper tank)	¾ x ¾ Gravel, 6 lbs. 2" high
Service / Regeneration	Downflow / Countercurrent
Meter Type	0.30 - 25.00 gpm Polypropylene Turbine

Inlet Water Quality

Pressure	25 - 125 psi
Temperature	35 - 120°F
pH	5 - 10 SU
Cl ₂ , Maximum	2.0 mg/L
Hardness, Maximum	31 gpg

Operating Specifications

Flow Rate (15 - 30 psi differential)	11.5 - 18.0 gpm
Flow Rate (service)	11.5 gpm
Flow Configuration	Overdrive
Dimensions (width x depth x height)	17" x 8" x 48"

Regeneration Specifications

Regeneration Volume	50 gallons
Regeneration Time	40 minutes
Backwash Flow Control	2.50 gpm
Brine Refill Flow Control	0.40 gpm

System Connections

Inlet / Outlet Connections	1¼" Custom Adapter and E-clip
PN 10739	1¼" THD Plastic Adapter
PN 11615	1¼" PVC Glue Adapter
PN 11049	1" Sweat Brass Adapter
PN 11048	1¼" - 1½" Sweat Brass Adapter
PN 10749	1" FNPT Brass Adapter
Drain Connection	0.5" Tube
Brine Line Connection	0.375" Tube
Power	None

System Part Numbers

Kinetico 4060s, Overdrive (carbon), 18 x 35 brine drum	11215
Kinetico 4060s, Overdrive (carbon), no brine drum	11649

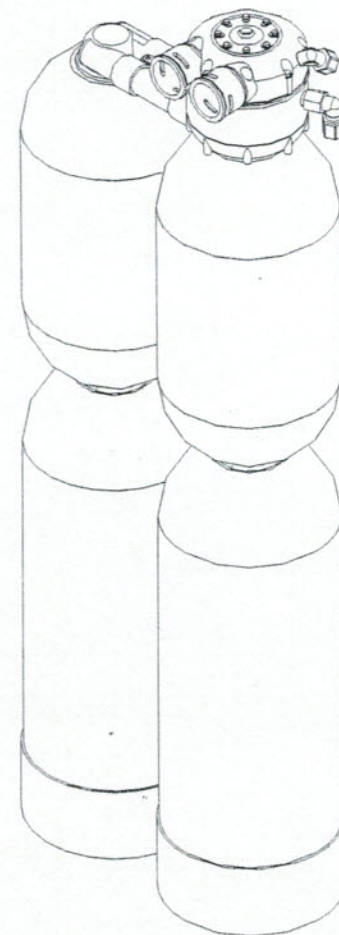
Brine Tank Options

Brine Tank Description	18 x 35	K-Spray	12 x 40
Brine Tank Part Number	7938	9763	1479A
Tank Height	35"	35"	40"
Tank Footprint	18"	18"	12"
Material of Construction	HDPE	HDPE	HDPE
Salt Capacity	250 lbs.	200.0 lbs.	100 lbs.

Regeneration

Setting	Capacity	Efficiency	Dosing
3.3 lbs.	11,467 grains	3,475 grains/lb.	4.7 lbs./ft ³
3.6 lbs.	12,240 grains	3,400 grains/lb.	5.1 lbs./ft ³
*4.0 lbs.	13,303 grains	3,326 grains/lb.	5.7 lbs./ft ³

* Certified by NSF and/or WQA



Disc Selection

(Compensated Hardness**)

Meter Disc	1	2	3	4	5	6	7	8
	4	8	12	15	18	21	24	28
	4	9	13	16	20	23	25	28
	5	9	14	18	21	25	28	31
Gallons/Regen	2,168	1,084	723	542	434	361	310	270

** Compensated Hardness in gpg = (Hardness + 3 x Fe mg/L)

Service Notes

- ▶ Meter = 23.0 gallons per tooth.
- ▶ This is an overdrive unit.
- ▶ Uses orange control disc, part number 8637.
- ▶ Uses main tank flow restrictor, part number 5567A.
- ▶ Has upper distributors.
- ▶ This is a downflow service unit.
- ▶ Uses 8 x 16 carbon with gravel underbed in top tank.
- ▶ Can be plumbed in ¾", 1", 1¼", or 1½" plumbing.
- ▶ Uses standard mesh resin in the lower tanks.
- ▶ **DO NOT LAY THE SYSTEM DOWN WHEN TRANSPORTING.**
- ▶ Level One center to center is 2½".

Estimated Carbon Effectiveness

Inlet Free Cl ₂	Gallons	Time
0.25 mg/L	300,000	36 months
0.5 mg/L	190,000	24 months
1.0 mg/L	124,000	18 months
1.5 mg/L	80,000	15 months
2.0 mg/L	50,000	12 months
3.0 mg/L	25,000	6 months
4.0 mg/L	12,500	3 months