YAMIT
FILTRATION

SA500 Series

Semi-Automatic Self-Cleaning

Screen Filter Suction & Brushes

SERVICE & MAINTENANCE MANUAL

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1. Introduction

General

YAMIT Filtration & Water Treatment Ltd. congratulates you on purchasing the new **SA-500 SERIES** Semi-Automatic Self-Cleaning Filter. This filter now joins the wide family of filters produced and supplied by **YAMIT** for agriculture. All products manufactured by **YAMIT** are easy to install, use and service and don't require special skills to operate them.
For operation and maintenance of the filter please follow the instructions in this manual.

2. Safety Instructions

1. Prior to installation or handling of the filter, read carefully the installation and operation instructions carefully.
2. Confirm filter draining prior to service.
3. Take precautions while lifting, transporting or installing the filter.
4. Installation of the filter should be performed so as to avoid direct water splashing on any of the filter parts.
5. Confirm that filter weight, when full, meets the support construction requirements.
6. Prior to installation confirm that line pressure matches filter's operational pressure.
7. During installation, use standard flanges and connections only.
8. Check that all filter flange bolts are properly secured.
9. Use original parts only when servicing the filter.
10. Any changes or modifications to the equipment will render the warranty null and void.
11. Do not perform any maintenance activities other than those described in this manual.

3. Description & Operation

Filter Assembly General Description (Figure 1)

The **SA-500** semi automatic self-cleaning filter enables high quality filtering at a filtration grade of 80-3000 microns. Filtration can be from different types of fluid sources such as sewage, reservoirs, rivers, lakes, and wells.

The **SA-500** filter contains the following parts:

1. Inlet
2. Screen
3. Dirt collector
4. Handle
5. Flushing valve
6. Flushing Chamber
7. Nozzle
8. Outlet
9. Brushes

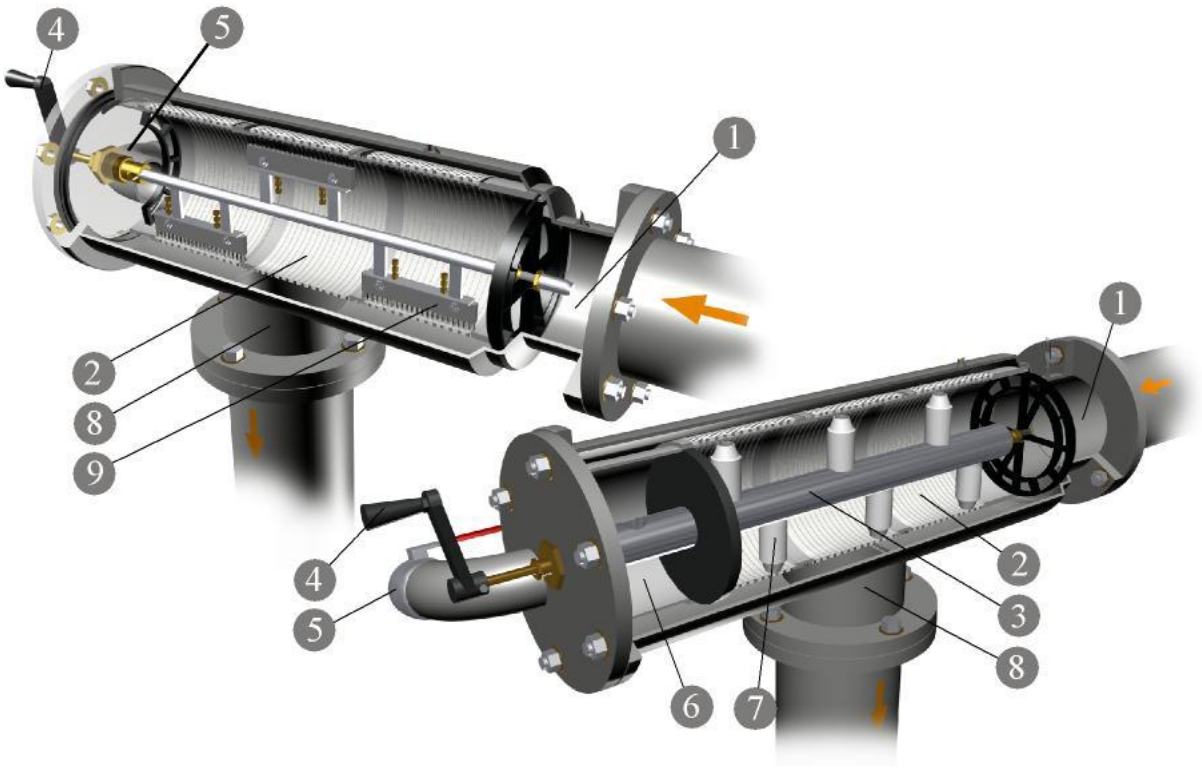


Figure 1: Filter Assembly

4. Filter Operation General Description

Filtration

Water enters the filter through the “Inlet” (1) Water then reaches the screen (2) , which purifies the flow by separating smaller particles from the water. As more water flows through, impurities build up on the screen. As impurities on the screen accumulate, a pressure imbalance is built up between the internal section of the screen (2) and its external section.

Cleaning process in suction type Filter

When the difference in pressure (ΔP) reaches the value was decided by the operator (no more then 0.8 bar), or according to the time table that was decided by the operator, a series of events has to be done while the water continues to flow to the system units.
The operator is checking that the dirt collector (3) is fully in his back position (by spinning the handle (4) clock wise till it stops. Then open the flushing valve (5) and spin the handle (4) until the dirt collector come to its stop. Then the operator closes the flushing valve (5).
When the flushing valve (5) opens water flows outside. Pressure in the flushing chamber (6) and the dirt collector (3) is significantly lowered, and the dirt collector nozzles (7) begin a suction process. Spinning of the dirt collector (3) and the spiral axis filter, cause a full scanning of the screen (2) by the dirt collector.
The combination of the linear movement and rotation significantly cleans the whole internal screen (2) surface. The flushing cycle takes few seconds while clean and filtered water flows through the “Outlet” (8).

Cleaning process in Brush type Filter

When the difference in pressure (ΔP) reaches the value was decided by the operator (no more then 0.8 bar), or according to the time table that was decided by the operator, a series of events has to be done while the water continues to flow to the system units.
The operator open the flushing valve (5) and spin the handle (4) few spins. The dirt is flushed out. Then the operator closes the flushing valve (5).
When the flushing valve (5) opens water flows outside. Pressure in the inner side of the fine screen (2) is significantly lowered, and the brushes(9) wipe the whole internal fine screen. The flushing cycle take few seconds while clean and filtered water flows through the “Outlet” (8).

5. Technical Data

Standard Features

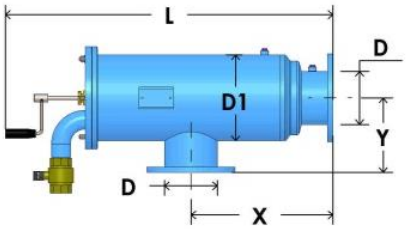
- Minimum operating pressure: 1 bar (14.1 psi)
- Maximum operating pressure: 10 bar (141 psi)
- Clean filter pressure loss: 0.15 (3 psi)
- Maximum water temperature: 65°C (149°F)
- Filtration range: 50-3000 micron
- Control voltage: 6V DC, 24V AC
- Flush water consumption
- (at minimum working pressure): 70 liters (18.5 gallons)
- Filter housing materials: carbon steel coated with baked on epoxy

Measurements & Weight

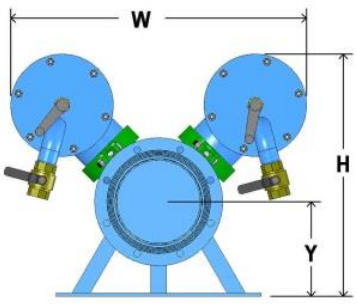
Model	D In/Out (in)	D1 (in)	X (mm)	X (in)	Y (mm)	Y (in)	L (mm)	L (in)	H (mm)	H (in)	W (mm)	W (in)	Shipping Weight (kg)	Shipping Weight (lb)	Packaging Volume L x W x H (m)	Packaging Volume L x W x H (ft)
SA504B	4	10	350	13.8	237	9.3	833	32.8					78	172	1.1x0.6x0.6	3.5×2.0×2.1
SA506B	6	10	450	17.7	237	9.3	1038	40.9					93	205	1.1x0.6x0.6	3.5×2.0×2.1
SA508B	8	10	550	21.7	237	9.3	1236	48.7					110	243	1.3×0.6×0.6	4.4×2.0×2.1
SA510B	10	10	1100	43.3	250	9.8	1293	50.9	719	28.2	937	36.9	219	483	1.3×1.3×1.0	4.4×4.3×3.3
SA512B	12	12	1250	47.3	280	11.0	1765	59.7	770	30.2	973	38.3	337	743	1.5×1.3×1.0	4.9×4.3×3.3
SA514B	14	14	1420	55.9	315	12.4	1735	68.3	813	32.0	996	39.2	338	745	1.8×1.2×1.2	5.9×3.9×3.9

Model	D In/Out (in)	D1 (in)	X (mm)	X (in)	Y (mm)	Y (in)	L (mm)	L (in)	H (mm)	H (in)	W (mm)	W (in)	Shipping Weight (kg)	Shipping Weight (lb)	Packaging Volume L x W x H (m)	Packaging Volume L x W x H (ft)
SA504S	4	10	350	13.8	237	9.3	958	37.7					83	183	1.1x0.6x0.6	3.5×2.0×2.1
SA506S	6	10	450	17.7	237	9.3	1163	45.8					102	225	1.3×0.6×0.6	4.4×2.0×2.1
SA508S	8	10	550	21.7	237	9.3	1361	53.6					119	262	1.5x0.6x0.6	4.9×2.0×2.1
SA510S	10	10	1100	43.3	250	9.8	1421	55.9	719	28.2	937	36.9	229	505	1.3×1.3×1.0	4.3×4.3×3.3
SA512S	12	12	1250	47.3	280	11.0	1641	64.6	767	30.2	973	38.3	262	578	1.5×1.3×1.0	4.9×4.3×3.3
SA514S	14	14	1420	55.9	315	12.4	1861	73.3	952	37.5	996	39.2	353	778	1.8×1.2×1.2	5.9×3.9×3.9

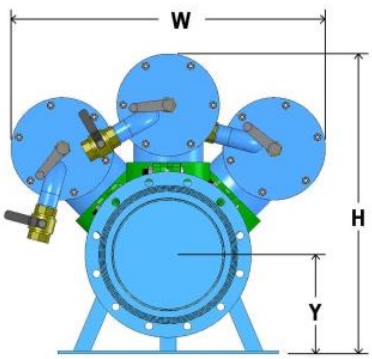
* Backwash flow: 176 gpm (40 m^3/h)



Model SA504-SA508



Model SA510 (2*506B)
Model SA512 (2*508B)



Model SA514 (3*508B)

Flow Rate

Model	In/Outlet ØD (mm)	(in)	Max. recommended Flow rate (m^3/h)	(gpm)	Flushing Flow Rate (m^3/h)	(gpm)	Screen Area (cm^2)	(in^2)
SA504B	100	4	80	352	30	132	2265	351
SA506B	150	6	150	660	30	132	3398	527
SA508B	200	8	250	1101	30	132	4530	702
SA510B	250	10	500	2202	30	132	8600	1332
SA512B	300	12	600	2642	30	132	11570	1793
SA514B	350	14	750	3302	30	132	17350	2689

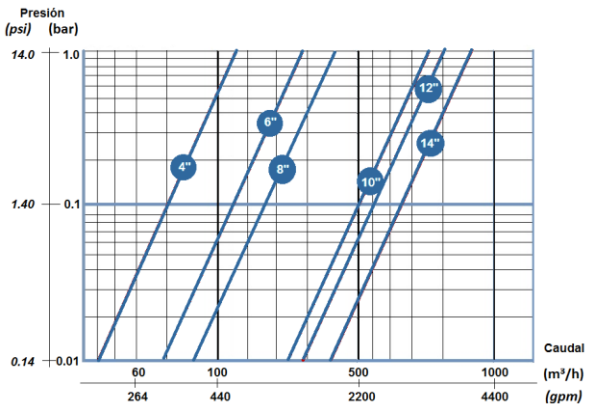
SA500 B (brush) – maximum recommended Flow Rate – 300 micron screen in good quality water
SA500 S (suction) – maximum recommended Flow Rate – 120 micron screen in good quality water

Filtration Grade Conversion Table

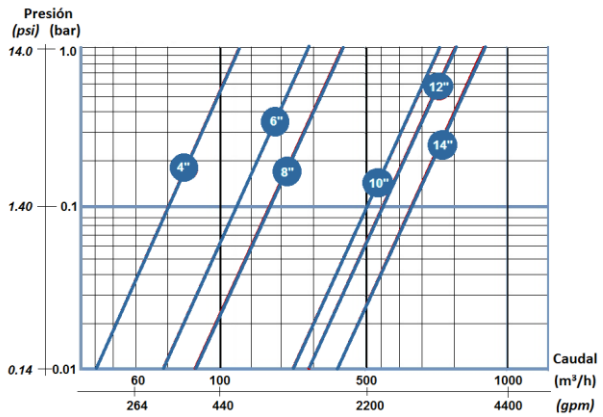
Micron	50	80	100	120	150	200	300	400	500	800	1000	1500	2000	3000
Mesh	300	200	150	120	100	80	55	40	30	20	15	10	8	5

Pressure Loss at 120 micron

SA500B



SA500S



6. Initial Installation & Operation

General

The filter assembly is shipped fully assembled along with the flushing valves.

Installation

1. Take the filter assembly out of the wood platform.
2. Install the filter assembly to the inlet line and outlet line.
3. Connect a drain pipe to the flushing valve outlet opening (at least 63 mm or 2” diameter and 5 m long). Confirm that water runs freely out of the drainpipe.
4. Check that all connections are properly secured.
5. Check that all bolts and nuts on filter periphery are properly tightened and secured.

Initial Operation

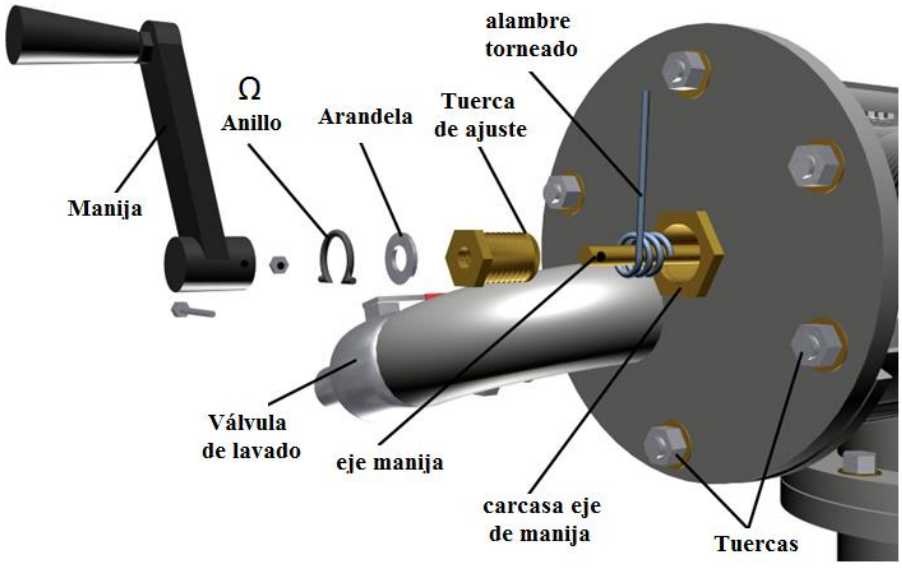
1. Gradually open the inlet valve (make sure that the outlet valve, if installed, is open).
2. Check the filter assembly and its connections for leaks.
3. Spin the handle first against clockwise till it come to its end and then clockwise. ***(With brush filter just perform few spins)***
4. Perform a flushing cycle by opening the flushing valve and spin the handle till the dirt collector come to its end and stop (don’t push it strongly when it stop). When dirt collector stops, close the flushing valve. ***(With brush filter, perform few spins and close the flushing valve)***
5. When the filter is clean, verify that the differential pressure between inlet and outlet does not exceed 0.1 bar.

7. Maintenance & Periodical Checks

7.1 - Handle Sealing Replacement

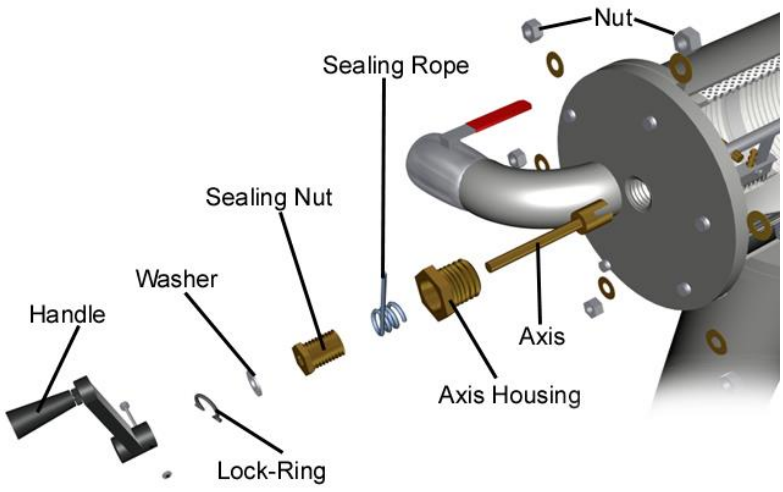
The handle sealing prevent leaks from the handle axis and allows it to spin freely.

1. Close the inlet and the outlet line valves.
2. Verify filter is drained prior to service.
3. Release the Ω ring that locks the tightening nut.
4. Open the tightening nut that holds the sealing in its place (see figure 3)
5. Remove the used rope sealing with a small screwdriver.
6. Put new rope sealing (3 loops) on the handle axis and push it into the sealing house.
7. Tight back the tightening nut to its place (check that the handle spins freely).
8. Gradually open the inlet valve (make sure that the outlet valve, if installed, is open).
9. Check the filter assembly and its connections for leaks.
10. Spin the handle first against clockwise till it come to its end and then clockwise. ***(With brush filter just perform few spins)***
11. Perform a flushing cycle by opening the flushing valve and spin the handle till the dirt collector come to its end and stop (don't push it strongly when it stop). When dirt collector stops, close the flushing valve. (With brush filter, perform few spins and close the flushing valve).
12. When the filter is clean, verify that the differential pressure between inlet and outlet does not exceed 0.1 bar.



7.2 - Handle Assembly Removal & Installation

1. Close the inlet and the outlet line valves.
2. Verify filter is drained prior to service.
3. Open the sealing house nut and take out the whole handle assembly.
4. Release the Ω ring that locks the tightening nut.
5. Remove the sealing house nut and the tightening nut out of the handle axis.
6. Install the nuts on the new axis assembly (or the new nuts on the old axis assembly).
7. Install the Ω ring that locks the tightening nut.
8. Insert the whole handle assembly into its place in the cover and tight properly the sealing house nut.
9. Remove the used rope sealing with a small screwdriver.
10. Put new rope sealing (3 loops) on the handle axis and push it into the sealing house.
11. Tight back the tightening nut to its place (check that the handle spins freely).
12. Gradually open the inlet valve (make sure that the outlet valve, if installed, is open).
13. Check the filter assembly and its connections for leaks.
14. Spin the handle first against clockwise till it come to its end and then clockwise. ***(With brush filter just perform few spins)***
15. Perform a flushing cycle by opening the flushing valve and spin the handle till the dirt collector come to its end and stop (don't push it strongly when it stop). When dirt collector stops, close the flushing valve. (With brush filter, perform few spins and close the flushing valve)
16. When the filter is clean, verify that the differential pressure between inlet and outlet does not exceed 0.1 bar.

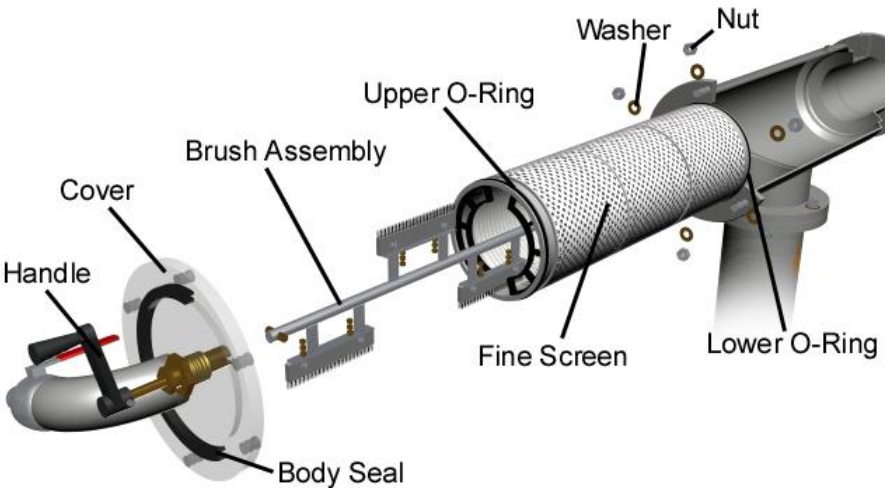


7.3 - Fine Screen Assembly Removal & Installation Suction type

1. Close the inlet and the outlet line valves.
2. Verify filter is drained prior to service.
3. Remove the nuts and washers connecting the cover to the filter housing.
4. Remove the cover with the handle out of the filter's housing.
5. Remove the body seal from the cover groove.
6. Pull the screen assembly with the dirt collector in it out of the filter housing assembly.
7. Unscrew the flushing chamber form the screen assembly and spin out the dirt collector to be removed.
8. Remove both upper and lower seals from the old fine screen assembly.
9. Position both upper and lower seals into the new fine screen assembly.
10. Lubricate upper and lower seals with **silicon grease**.
11. Insert the dirt collector in to the screen assembly and spin it on the spiral axis installed in the back side of the screen.
12. Reconnect the flushing chamber on the fine screen assembly.
13. Slide the new fine screen assembly into the filter housing assembly
14. Verify that the straight side of the body seal fits into the groove located in the cover.
15. Install the cover of the filter housing into its place (make sure that the hexagon axis fit into its place in the dirt collector) tight the nuts and washers connecting the cover to the filter housing.
16. Gradually open the inlet valve (make sure that the outlet valve, if installed, is open).
17. Check the filter assembly and its connections for leaks.
18. Spin the handle first against clockwise till it come to its end and then clockwise.
19. Perform a flushing cycle by opening the flushing valve and spin the handle till the dirt collector come to its end and stop (don't push it strongly when it stop). When dirt collector stops, close the flushing valve.
20. When the filter is clean, verify that the differential pressure between inlet and outlet does not exceed 0.1 bar.

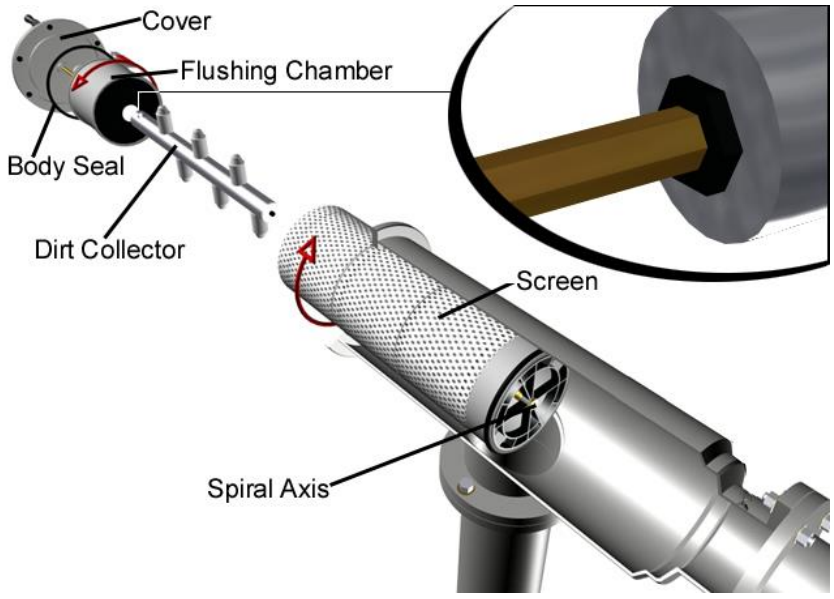
7.4 – Fine Screen Assembly Removal & Installation Brush type

1. Close the inlet and the outlet line valves.
2. Verify filter is drained prior to service.
3. Remove the nuts and washers connecting the cover to the filter housing.
4. Remove the cover with the handle out of the filter's housing.
5. Remove the body seal from the cover groove.
6. Pull out the brush assembly for the screen assembly.
7. Pull the screen assembly out of the filter housing assembly.
8. Remove both upper and lower seals from the old fine screen assembly.
9. Position both upper and lower seals into the new fine screen assembly.
10. Lubricate upper and lower seals with **silicon grease**.
11. Slide the new fine screen assembly into the filter housing assembly
12. Insert the brush assembly in to the screen.
13. Verify that the straight side of the body seal fits into the groove located in the cover.
14. Install the cover of the filter housing into its place (make sure that the handle axis is feet into its place in the brush assembly)
15. Tight the nuts and washers connecting the cover to the filter housing.
16. Gradually open the inlet valve (make sure that the outlet valve, if installed, is open).
17. Check the filter assembly and its connections for leaks.
18. Perform a flushing cycle by opening the flushing valve and spin the handle few spins and close the flushing valve.
19. When the filter is clean, verify that the differential pressure between inlet and outlet does not exceed 0.1 bar.



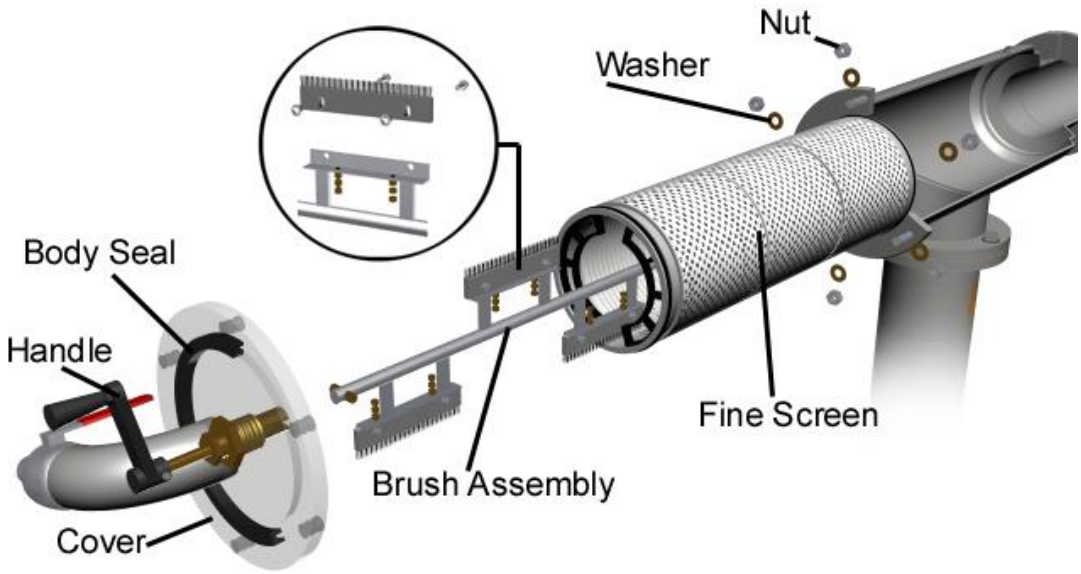
7.5 – Dirt Collector Removal & Installation Suction type

1. Close the inlet and the outlet line valves.
2. Verify filter is drained prior to service.
3. Remove the nuts and washers connecting the cover to the filter housing.
4. Remove the cover with the handle out of the filter's housing.
5. Remove the body seal from the cover groove.
6. Pull the screen assembly with the dirt collector in it out of the filter housing assembly.
7. Unscrew the flushing chamber form the screen assembly and spin out the dirt collector to be removed.
8. Insert the new dirt collector back in to the screen assembly and spin it on the spiral axis installed in the back side of the screen.
9. Reconnect the flushing chamber on the fine screen assembly
10. Slide the new fine screen assembly into the filter housing assembly
11. Verify that the straight side of the body seal fits into the groove located in the cover.
12. Install the cover of the filter housing into its place (make sure that the hexagon axis is feet into its place in the dirt collector) tight the nuts and washers connecting the cover to the filter housing.
13. Gradually open the inlet valve (make sure that the outlet valve, if installed, is open).
14. Check the filter assembly and its connections for leaks.
15. Spin the handle first against clockwise till it come to its end and then clockwise.
16. Perform a flushing cycle by opening the flushing valve and spin the handle till the dirt collector come to its end and stop (don't push it strongly when it stop). When dirt collector stops, close the flushing valve.
17. When the filter is clean, verify that the differential pressure between inlet and outlet does not exceed 0.1 bar.



7.6 – Brushes Removal & Installation

1. Close the inlet and the outlet line valves.
2. Verify filter is drained prior to service.
3. Remove the nuts and washers connecting the cover to the filter housing.
4. Remove the cover with the handle out of the filter's housing.
5. Remove the body seal from the cover groove.
6. Pull the brushes assembly out of the screen assembly.
7. Insert the new brushes assembly into the screen assembly.
8. Verify that the straight side of the body seal fits into the groove located in the cover.
9. Install the cover of the filter housing into its place (make sure that the handle axis is feet into its place in the brush assembly) tight the nuts and washers connecting the cover to the filter housing.
10. Gradually open the inlet valve (make sure that the outlet valve, if installed, is open).
11. Check the filter assembly and its connections for leaks.
12. Perform a flushing cycle by opening the flushing valve and spin the handle few spins and close the flushing valve.
13. When the filter is clean, verify that the differential pressure between inlet and outlet does not exceed 0.1 bar.



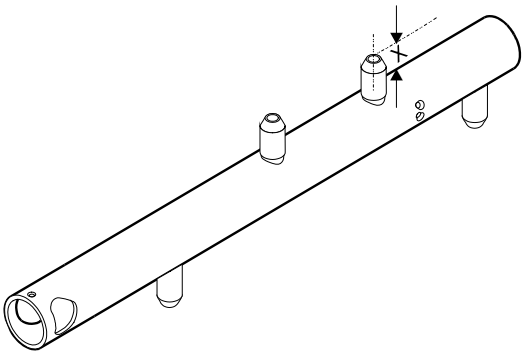
7.7 – Periodical Checks

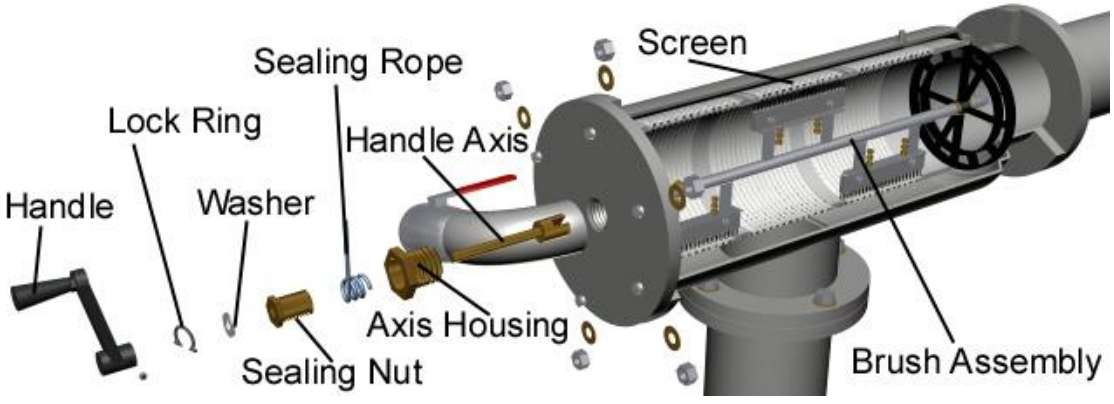
Perform yearly Periodical Checks at the beginning of the season, according to the following:

1. Check for leaks.
2. Check the filter housing for paint damage and corrosion. If required, clean area with sandpaper and apply a thin layer of basic + epoxy paint.
3. Check condition handle bearing and sealing. If any of the bearings are deformed, (oval), replace with a new one.
4. Check the condition of the fine screen assembly. If defective, replace according to "**Fine Screen Assembly Removal & Installation**".
5. Check the dirt collector suction nozzles height (see table). If defective, replace according to "**Dirt Collector Removal & Installation**".

Dirt Collector Suction Nozzles Height Table

Type Number	X (Nozzle Height)
SA500B	70.8 mm
SA500S	





8. Troubleshooting

Leaks appear from the handle nuts:

1. Check the tightening of the handle sealing tightening nut.
2. Replace the rope sealing if required according to: "**Handle Sealing replacement"**

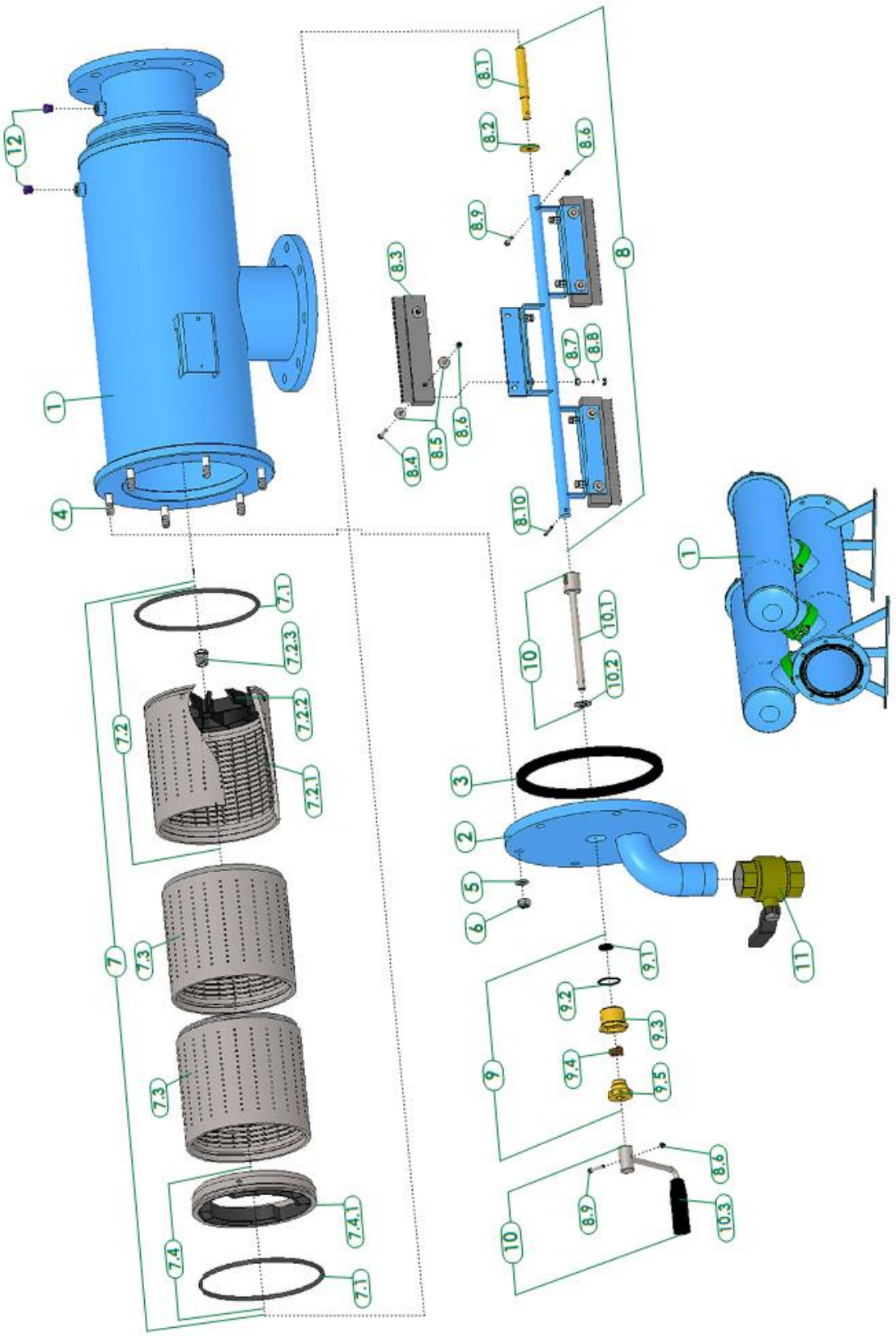
The handle can not spin:

1. Open the filter cover.
2. Check that no hard particles were stuck under the nozzles, release if necessary.
3. Check the handle sealing condition and the nuts tightening, replace if necessary according to "**Handle Sealing replacement"**

The handle spin but the filter is not clean:

1. Open the filter.
2. Check the height of the suction nozzles, if damaged, replace the dirt collector according to: **"Dirt Collector Removal & Installation"**
3. Take out the dirt collector according to: **"Dirt Collector Removal & Installation"**
4. Check the hexagon hole in the upper side of the dirt collector, if damaged, replace the dirt collector
5. Check the spiral thread in the lower side of the dirt collector, if damaged, replace the dirt collector.

9. IPB – SA500B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IPB No	Filters	Catalog No	Part breakdown
1	SA500B	N/A	FILTER BODY
2	SA500B	N/A	FILTER COVER
3	SA500B	5311250100	U-RING FOR COVER 10"-14"
4	SA500B	5292143001-048	STUD 1/2"NC*48 SS304
5	SA500B	4121123001	WASHER M12 SS304
6	SA500B	4112140401	NUT 1/2"NC HOT GALVANIZED
7	SA504B	E7005602003-01##	COMP FINE SCREEN PVC225 SA504B/AF7504
	SA506B	E7005603002-01##	COMP FINE SCREEN PVC225 SA506/10B/AF7506
	SA510B		
	SA508B	E7005604001-01##	COMP FINE SCREEN PVC225 SA508/12/14B/7508
	SA512B		
	SA514B		
7.1	SA500B	4081202100-445	O-RING 445
7.2	SA500B	E5005600100-01##-01	FINE SCREEN UPPER SECTION PVC225 ASSM 500B/7500
7.2.1	SA500B	W5005600100-01##	FINE SCREEN UPPER SECTION PVC225 500B/7500
7.2.2	SA500B	5021640500	SCREEN WHEEL 225 NYLON
7.2.3	SA500B	5172301700	SCREEN BEARING F/SHAFT AF9/800/500B/700/9800N
7.3	SA500B	W5005600300-01##	FINE SCREEN MIDDLE SECTION PVC225
7.4	SA500B	E5005601002-02	LOWER SCREEN ADAPTER PVC225 ASSM SA500B/AF7500
7.4.1	SA500B	E5005601002-01	LOWER SCREEN ADAPTER PVC225 SA500B/AF7500
8	SA504B	E7152250201-01	COMP BRUSH SHAFT W/2 BRUSH UNITS SA504B
	SA506B	E7152250301-01	COMP BRUSH SHAFT W/3 BRUSH UNITS SA506/10B
	SA510B		
	SA508B	E7152250401-01	COMP BRUSH SHAFT W/4 BRUSH UNITS SA508/12/14B
	SA512B		
	SA514B		
8.1	SA500B	5131391700	CENTRALISE SHAFT BRASS 17mm SA500B/AF7500/700
8.2	SA500B	6143901400	WASHER 35 BRASS SA500B/AF7500/700
8.3	SA500B	5150640100	NYLON BRUSH UNIT AF500B
8.4	SA500B	4101053001-035	BOLT HEX HEAD M5*35 SS304
8.5	SA500B	4121053005	WASHER M5XL SS304

IPB No	Filters	Catalog No	Part breakdown
8.6	SA500B	4111053002	NYLOCK NUT M5 SS304
8.7	SA500B	4112103001	NUT 1/4"NC SS304
8.6	SA500B	4111053002	NYLOCK NUT M5 SS304
8.7	SA500B	4112103001	NUT 1/4"NC SS304
8.8	SA500B	4102103101-020	BOLT HEX HEAD 1/4"NC*3/4" SS316
8.9	SA500B	4101053001-030	BOLT HEX HEAD M5*30 SS304
8.10	SA500B	4132053001	PIN C 5*40 SS304
9	SA500B	E5182391300-01	COMP SEALING ROPE HOUSING-BRASS AF5/75/98
9.1	SA500B	4082013100	U-RING 12.7*20.63*5.5
9.2	SA500B	4081030100	O-RING 30*3
9.3	SA500B	5182391300	SEALING ROPE HOUSING-BRASS AF5/75/98
9.4	SA500B	5319000900	SEALING ROPE
9.5	SA500B	5181391300	TIGHTENING NUT FOR SEALING ROPE-BRASS AF5/75/98
10	SA500B	E5136301300-01	COMP DRIVING HANDLE + SHAFT SA500B
10.1	SA500B	5136301300	CONNECTING SHAFT SS304 SA500B
10.2	SA500B	4121143001	WASHER M14 SS304
10.3	SA500B	E6043000000	DRIVING HANDLE SA500B
11	SA500B	4504020100-02	BALL VALVE 2"BSP FF
12	SA500B	4640314002	PLUG 1/4" PLASTIC

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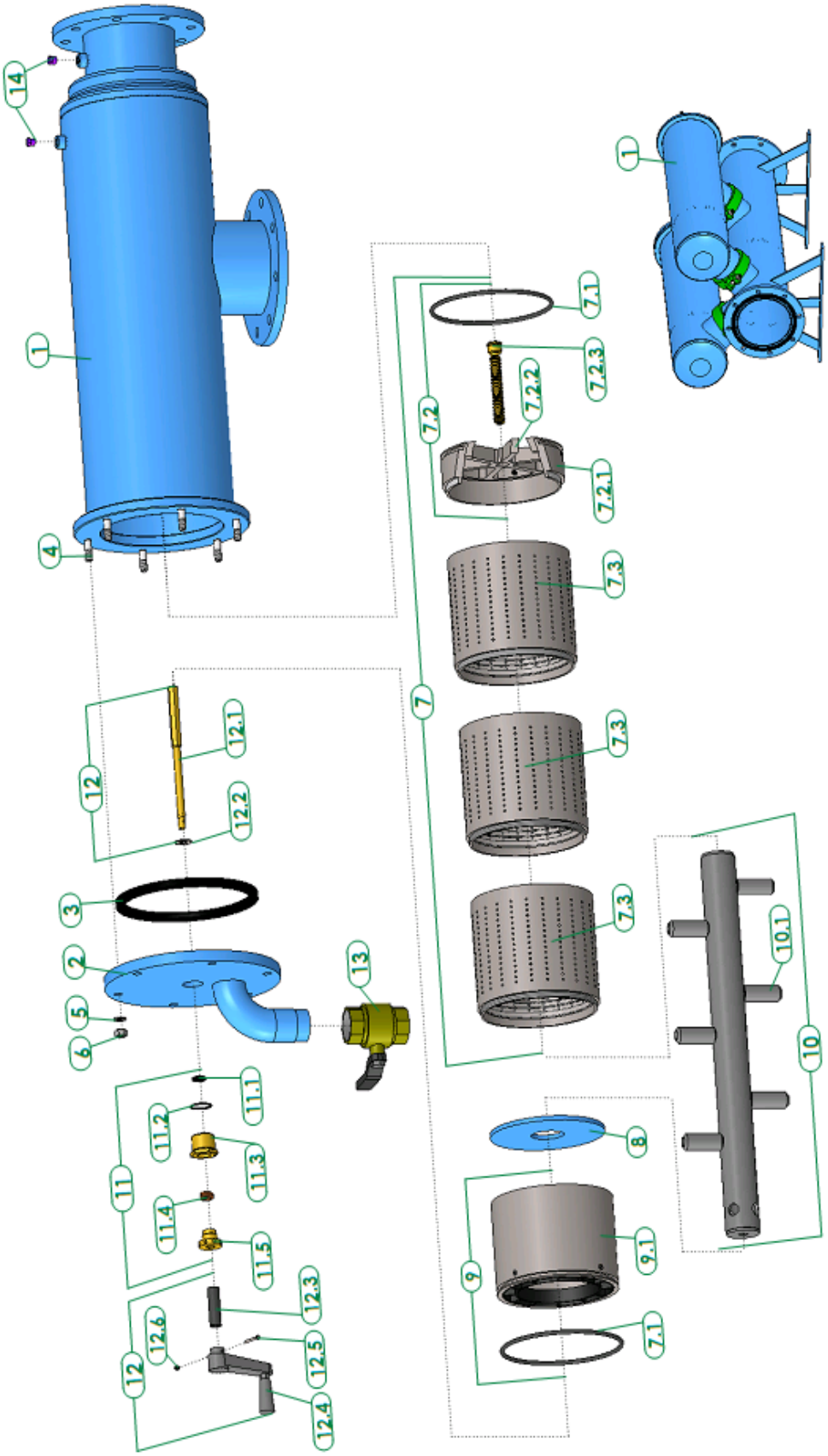
IPB – SA500S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IPB No	Filters	Catalog No	Part breakdown
1	SA500S	N/A	FILTER BODY
2	SA500S	N/A	FILTER COVER
3	SA500S	5311250100	U-RING FOR COVER 10"-14"
4	SA500S	5292143001-048	STUD 1/2"NC*48 SS304
5	SA500S	4121123001	WASHER M12 SS304
6	SA500S	4112140401	NUT 1/2"NC HOT GALVANIZED
7	SA504S	E7005602002-01##	COMP FINE SCREEN PVC225 SA504S
	SA506S	E7005603001-01##	COMP FINE SCREEN PVC225 SA506/10S
	SA510S		
	SA508S	E7005604000-01##	COMP FINE SCREEN PVC225 SA508/12/14S
	SA512S		
	SA514S		
7.1	SA500S	4081202100-445	O-RING 445
7.2	SA500S	E5005600901-01	UPPER SCREEN ADAPTER PVC225 ASSM SA500S
7.2.1	SA500S	5005600901	UPPER SCREEN ADAPTER PVC225 SA500S
7.2.2	SA500S	5021600501	SCREEN WHEEL PVC225 SA500S
7.2.3	SA500S	5134391500	SPIRAL DRIVE SHAFT BRASS SA500S
7.3	SA500S	W5005600300-01##	FINE SCREEN MIDDLE SECTION PVC225
8	SA500S	5023010502-P	FLUSHING CHAMBER PLATE STEEL SA500S
9	SA500S	E5005601100-02	FLUSHING CHAMBER PVC225 ASSM SA500S
9.1	SA500S	E5005601100-01	FLUSHING CHAMBER PVC225 SA500S
10	SA504S	E7103610400-01	COMP DIRT COLLECTOR PVC 2" 4 NOZZLE SA504S
	SA506S	E7103610600-01	COMP DIRT COLLECTOR PVC 2" 6 NOZZLE SA506/10S
	SA510S		
	SA508S	E7103610800-01	COMP DIRT COLLECTOR PVC 2" 8 NOZZLE SA508/12/14S
	SA512S		
	SA514S		
10.1	SA500S	5121610301	SUCTION NOZZLE SA500S
11	SA500S	E5182391300-01	COMP SEALING ROPE HOUSING-BRASS AF5/75/98
11.1	SA500S	4082013100	U-RING 12.7*20.63*5.5
11.2	SA500S	4081030100	O-RING 30*3
11.3	SA500S	5182391300	SEALING ROPE HOUSING-BRASS AF5/75/98
11.4	SA500S	5319000900	SEALING ROPE
11.5	SA500S	5181391300	TIGHTENING NUT FOR SEALING ROPE-BRASS AF5/75/98

IPB No	Filters	Catalog No	Part breakdown
12	SA500S	E5130391601-01	COMP DRIVING HANDLE + SHAFT SA500S
12.1	SA500S	5136391601	CONNECTING SHAFT BRASS SA500S
12.2	SA500S	4121143001	WASHER M14 SS304
12.3	SA500S	6046100000	PVC SLEEVE SA500S
12.4	SA500S	4820000000	DRIVING HANDLE PLASTIC SA500S
12.5	SA500S	4101043001-035	BOLT HEX HEAD M4*35 SS304
12.6	SA500S	4111043002	NYLOCK NUT M4 SS304
13	SA500S	4504020100-02	BALL VALVE 2"BSP FF
14	SA500S	4640314002	PLUG 1/4" PLASTIC

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10. STANDARD INTERNATIONAL WARRANTY

YAMIT Filtration & Water Treatment Ltd. (hereinafter -" **YAMIT**") guarantees to the customers who purchased **YAMIT**'s products directly from **YAMIT** or through its authorized distributors, that such products will be free from defect in material and/or workmanship for the term set forth below, when such products are properly installed, used and maintained in accordance with **YAMIT'**s instructions, written or verbal.

Should such products prove defective within one year as of the day it left **YAMIT**'s premises, and subject to receipt by **YAMIT** or its authorized representative, of written notice thereof from the purchaser within 30 days of discovery of such defect or failure - **YAMIT** will repair or replace or refund the purchase price, at its sole option, any item proven defective in workmanship or material.

YAMIT will not be responsible, nor does this warranty extend to any consequential or incidental damages or expenses of any kind or nature, regardless of the nature thereof, including without limitation, injury to persons or property, loss of use of the products, loss of goodwill, loss of profits or any other contingent liabilities of any kind or character alleged to be the cause of loss or damage to the purchaser.

This warranty does not cover damage or failure caused by misuse, abuse or negligence, nor shall it apply to such products upon which repairs or alterations have been made by other than an authorized **YAMIT** representative.

This warranty does not extend to components, parts or raw materials used by **YAMIT** but manufactured by others, which shall be only to the extent warranted by the manufacturer's warranty.

No agents or representatives shall have the authority to alter the terms of this warranty nor to add any provisions to it not contained herein or to extend this warranty to anyone other than **YAMIT**'s customers.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, EXCEPT THIS WARRANTY WHICH IS GIVEN IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.