SAF filters

Amiad

SAF filters are industrial, self-cleaning metal filters from Amiad. SAF filters can handle large quantities of contaminant that - if required - can be automatically discharged during filtration. Only a small amount of flushing water is released during flushing. Furthermore, the filters have a compact design so that they can be installed in a unit.

The large effective screen surface area and the high quality of the screen make Amiad SAF filters unique. The screen has no blind spots, can be fully used for filtration and can also be completely cleaned. With the SAF filters the water enters the filter through a coarse screen and leaves the filter via the multi-layer fine filter screen.

The contamination is collected on the inside of this fine filter screen, causing the resistance through the filter to increase. The SAF filter starts the flushing cycle as soon as this resistance increases to above 0.5 bar or when the set time has expired. During the flushing cycle, the drainage tap opens and allows the pressure in the suction scanner and in the nozzles in front of the screen to drop. The electric motor ensures that the scanner cleans the whole screen spirally by means of several suction nozzles on the shaft.

APPLICATION

SAF filters are used where a high capacity, fine filtration or continuous filtration is required. Application for prefiltration, drip irrigation, spinkler irrigation (roof, greenhouse and outdoor irrigation), fog installations, filtration for UV installations and underground water storage.

CHARACTERISTICS

- ✓ Filtration from 10 to 800 micron
- Large effective screen surface area
- Ocarse inlet filter and fine filter screen
- Automatic flushing cycle with various setting possibilities
- Small amount of flushing water (max. 1%)
- Available with Amiad control panel (PLC or relay)
- Also available with spring-loaded nozzles (for extra suction force)
- CE approved
- ✓ Blue colour, RAL 5010





TECHNICAL DATA

Filter		SAF-1500	SAF-3000	SAF-4500	SAF-6000
General information					
Theoretical capacity of body*	m³/h	80	150	250	400
Effective filtration area	cm²	1500	3000	4500	6000
Standard filtration levels micron		10, 25, 50, 80, 100, 130, 200, 300, 500, 800			
Material of filter screen		4 layers of woven stainless steel 316L			
Diameter of connection flange	inch	2"-3"-4"	3"-4"-6"	4"-6"-8"	6"-8"
Minimum working pressure	bar		2 (lower pres	sure on request)	
Maximum working pressure	bar			10	
Maximum (working)temperature	°C	50	50	60	60
Weight	kg	2": 84	3": 105	4": 150	6": 240
		3": 86	4": 110	6": 156	8": 245
		4": 88	6": 115	8": 165	
Flushing					
Flushing time **	sec	15	20	20	40
Flushing water per cycle***	litres	25	64	83	280
Minimum flushing capacity ***	m³/h	6	11	15	25
Water content	litres	42,5	56,3	77,2	127
Drainage Dorot-75 S 3-way (basic)		2"	2"	2"	2"
Flushing criteria		Pressure difference of 0.5 bar (standard)			
No. of nozzles		2	3	4	4
Control and electricity					
Operating voltage			3-phase, 230/4	100 VAC 50/60 Hz	
Electric motor output	kW	0,18	0,18	0,18	0,258
Force	pk	1/4	1⁄4	1/4	⅓
Nominal power consumption (at 400V)	Α	0,71	0,71	0,71	0,78
Inrush current (at 400V)	Α	2,6	2,6	2,6	3,3
Co sinus Phi		0,67	0,67	0,67	0,73
Control voltage		24 VAC 50/60 I	Hz (from 2020 the SAF filt	er is provided with a stick	er '5,5W 50/60Hz'
Construction material					
Filter housing		epoxy-coated steel (blue: RAL 5010)			
Filter cover		SMC Polyester / Epoxy-coated steel			
Cleaning mechanism		Stainless steel 316L, Acetal			
Drainage valve		Reinforced polyamide and EDPM			
Seals		synthetic rubber,Teflon			

^{*} see application recommendation table ** adjustable *** with 2 bar pressure difference

CONNECTION CAPACITY

Dimensions	Recommended capacity m³/h
2"	20
3"	40
4"	80
6"	150
8"	250

BRACKET MOUNT

Туре	Diameter	Diameter	Article number
	(mm)	("")	VDL Pipe clamp
SAF-1500	255	10	77300-104098
SAF-3000	255	10	77300-104098
SAF-4500	276	11	77300-104096
SAf-6000	355,6	14	77300-104101



FILTER SELECTION

The choice of filter depends on the desired capacity, filtration level and contamination level of the water. The selection table below can be used to make the right choice. The recommendations have been compiled with the greatest care on the basis of practical experience and based on an average water contamination. Deviations can occur, for example, due to dirtier water or pre-filtration; in some cases rainwater can be more contaminated than surface water. It is then possible that the values for surface water have to be used for rainwater. If in doubt, ask Netafim for advice.

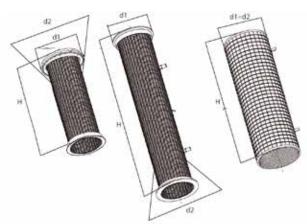
Application recommendations for SAF filters (capacity in m³/h)

application recommendations for the interest (capacity in in 711)								
Micron	300	200	130	100	80	50	25	10
Rain water								
SAF-1500	60	58	50	45	35	25	15	6
SAF-3000	120	116	100	90	70	50	30	12
SAF-4500	180	174	150	135	105	75	45	18
SAF-6000	240	232	200	180	140	100	60	24
Surface water								
SAF-1500	50	45	35	30	25	15	10	5
SAF-3000	100	90	70	60	50	30	20	10
SAF-4500	150	135	105	90	75	45	30	15
SAF-6000	200	180	140	120	100	60	40	20
Drain water								
SAF-1500	45	40	30	25	20	12	8	4
SAF-3000	90	80	60	50	40	24	16	8
SAF-4500	135	120	90	75	60	36	24	12
SAF-6000	180	160	120	100	80	48	32	16

Dimensions of stainless steel screen elements

Туре	Screen cylinder		
	ø (mm)		H (mm)
	d1	d2	
SAF-1500	240	180	370
SAF-3000	240	180	665
SAF-4500	210	180	910
SAF-6000	265	265	815





Screen codes

Filtration level	Code
Micron	on screen
10	DTW 18
25	SPW 34
50	SPW 63
80	SPW 75
100	SPW 101
130	SPW 125
200	SPW 201
300	Square Mesh
500	Square Mesh
800	Square Mesh



SPRING LOADED NOZZLES

The SAF Supernozzles increase the suction force when cleaning SAF filters. The contamination is drawn out of the screen with more force. The SAF Supernozzle is pressed against the protective layer of the filter screen by a spring mechanism. During cleaning, all water is forced through the screen so that maximum suction force is created through the screen. This greatly improves the cleaning effect, particularly with finer screens (10 - 50 micron) and/or with cloying contaminants.

Tests with 10 micron screens showed over 50% less flushing cycles and significantly less flushing water per flushing cycle.

The Supernozzles have sliding elements (caps) made from a special, wear-resistant plastic that move along the screen during cleaning. Depending on the use, these sliding elements have to be replaced periodically. If the nozzles are not replaced, the screen can be damaged in extreme cases. Replacement can easily be carried out when the shaft is removed from the filter.

The flushing pressure is the difference in pressure between the outgoing stream and the flushing line. Ensure that the maximum flushing pressure does not exceed 4.5 bar, measured between the outlet and flushing inlet of the filter, during flushing.

The SAF Supernozzles can be installed in any SAF filter by replacing the suction scanner (shaft with nozzles) with a shaft with Supernozzles.

ABBREVIATIONS DESIGNATIONS

The abbreviations T1, T2, T4, T6 or combinations thereof are used in the parts of the various SAF filters. These abbreviations stand for:

T1 : SAF-1500 T3 : SAF-3000 T4 : SAF-4500 T6 : SAF-6000

T1346 : Part can be used in all types of SAF filter



TYPES OF NOZZLES

A model SAF Nozzles



B model SAF Nozzles



SAF Supernozzles





SAF SUPER SEAL

Netafim, in partnership with Amiad, has developed a new shaft seal kit for the SAF filter. This sealing kit assures a long-lasting leak-free shaft seal, especially for SAF filters that are frequently flushed. The kit fits the SAF 1500, 3000 and 4500. The kit contains the parts needed to replace the current seal with a SAF Super Seal. Individual parts are available separately. Since late 2020, all SAF filters have been fitted with the SAF Super Seal as standard.

SOLUTION FOR HEAVY CONTAMINATION

Leakage along the shaft is often caused by heavy contamination, which means the SAF filter has to be frequently flushed. Flushing very frequently wears out the internal O-ring excessively. The new SAF Super Seal is more resistant to this. But it does not reduce the frequency of flushing, and heavy contamination still causes extra wear on parts such as the super nozzles. We recommend taking measures to reduce the amount of contamination, such as cleaning the water storage.

SAF SUPER SEAL: INSTALLATION & MAINTENANCE

- ✓ In addition to the usual work involved in replacing the shaft seal, it is important that attention is paid to installing the Super Seal ring in the correct place. After all, it must seal the pressure difference between the filter and the atmosphere. Make sure the flat side is on the side of the sealing nut (see photos). Use enough Vaseline during installation, as this makes it easier to insert the ring.
- During maintenance, the Super Seal ring and the internal and external O-rings must be replaced.



Parts list Super seal set T134 (02227-303180)

No.	Article no.	Article
1	74480-000094	Am-SAF-part Super Sealing nut T134
2	74480-016190	Am-SAF-part Super Sealing ring T134
3	74480-018000	Am-SAF-part Sealing nut int O-ring T134
4	74480-060870	Am-SAF-part Sealing nut ext O-ring T134
5	74480-018060	Am-SAF-part Connect.pin driveshaft T134
6	74480-018065	Am-SAF-part Split pin 1.6x12 T134



SAF UL-CSA MOTOR

The SAF filters are fitted with 400-V SITI rotary motors as standard. Given the growing demand for motors that function according to the American standard, Netafim has introduced two new models with UL-CSA certification. This American certification prioritises fire safety and safety in general. Special conversion kits are available to adapt the SAF filter in our factory, so that the filter can be immediately exported.

The standard motor is a 230/400-V 50-Hz or 276/480-V 60-Hz model. As an option, the motor is available in the same voltage with UL-CSA. Other voltage on request.





CONTROL BOARD TYPE E

Compared to its predecessor type C, the flush controller type E has been completely renewed. The beating heart of this controller is a new Siemens Logo! PLC, which provides clear information about flushing cycles and settings to its user. This PLC is also very easy to operate and settings such as flushing interval or time starts can be easily set. The adjustment options and reliability of the coil controller have also been greatly improved. The Type-E controller is used to flush SAF filters. The pressure difference switch of the SAF filter can serve as an input to flush when the pressure difference is too high. However, it is also possible to flush at fixed time settings or time intervals. The filter can also be started externally, for example by a start contact of a horticultural or irrigation computer. The controller can be paused when the motor thermal protection is active and can trigger an external alarm.

APPLICATION

The type-E coil controller for SAF filters is mainly used when the SAF filter is used completely autonomously and/or outside an irrigation unit. But also where the flush control is not already integrated in the existing control panel on the unit.

CHARACTERISTICS

- Suitable for all SAF filters
- All-in-one control
- Compact housing
- Flushing on: time, differential pressure, manual or continuous setting
- Flushing counter
- Alarm output + indicator
- 8 Digital Inputs
 - Differential pressure switch
 - Upper limit switch
 - Lower limit switch
 - Start
 - Reset
 - Select SAF mod
 - External start
 - Thermal motor protection
- 4 Digital Outputs
 - Turn engine left
 - Turn engine right
 - Flush valve open/close (24VAC solenoid)
 - External alarm

TECHNICAL DATA

Voltage : 230/400VAC, 3-phase, 50/60Hz

Control voltage : 24VAC
Protection : IP65
Weight : 7kg

Sizing : 40x30x20 cm Standard : CE norm

INSTALLATION & MAINTENANCE

Installation

- Installation of Type-E controllers should only be performed by qualified personnel.
- Please note that sufficient space is maintained around the panel for maintenance and to perform future work in a safe and secure way.
- Electrical installation must be performed in accordance with the installation and safety regulations applicable in the country of installation.
- Mount the controller panel within sight of the filter so any manual operation of the filter connected to the panel can be done safely and checked visually.

Maintenance

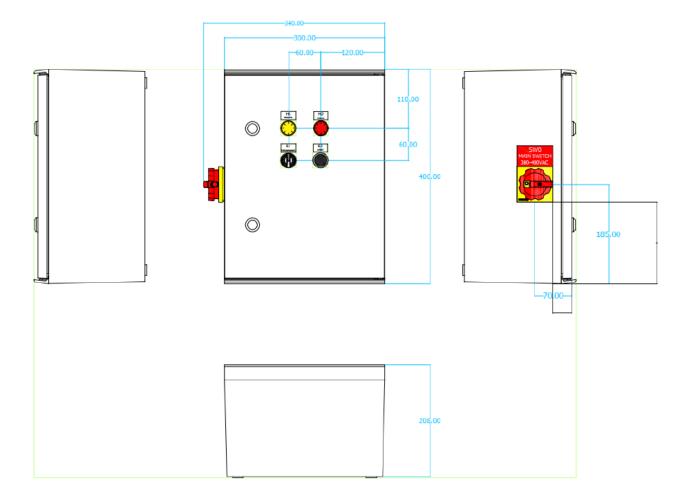
- Maintenance of the SAF filter and Type-E controller should only be performed by qualified personnel.
- Always disconnect the power before performing work on the controller or filter.





TECHNICAL DRAWING

Amiad flush controller type E

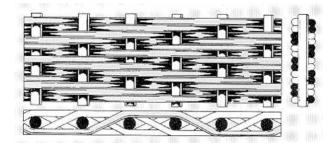


APPEARANCE

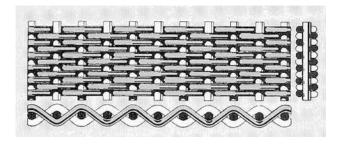




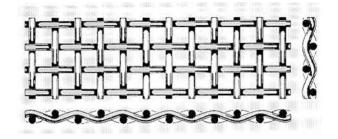
STRUCTURE OF FILTER SCREENS



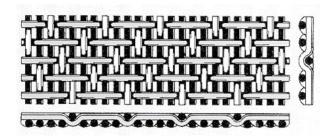
100-200 micron



50-80 micron



> 200 micron



10 micron

INSTALLATION & MAINTENANCE

Installation

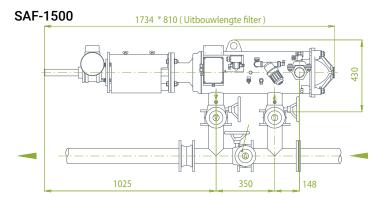
- Pre-filtration with 250 micron is recommended when filtering surface water and drain water (10-50 micron, ebb and flood systems also 80 micron).
- ✓ For the installation of an 8" SAF filter with 16 bar bore, a special adapted flange 225 mm is available (77300-000350), this fits on a VDL flange adapter DN200-225 mm (77300-103552) in combination with a rubber ring for flange adapter 225 mm (77300-104735). The regular VDL PVC flange and flange adapter fit on the 8" SAF filter with 10 bar bore.
- Before installation, read the manual where you will find drawings and installation instructions.
- Install a non-return valve on the outgoing side to prevent damage due to water hammer, etc.
- Ensure that the correct screen is installed, that the installation sequence is correct and that the seals are fitted (see manual for SAF filters)
- Ensure good earthing of the filter housing to avoid the risk of stress corrosion cracking.

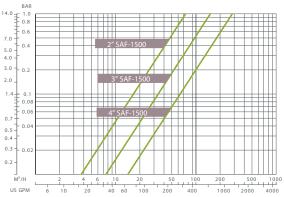
Maintenance

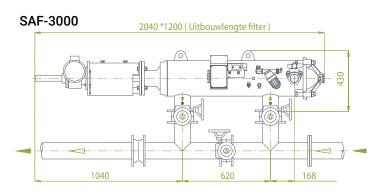
- We recommend that the function of the SAF filter and screen is checked at regular intervals, depending on the application, but at least once a year. For maintenance: See the manual and SAF maintenance checklist.
- ▼ The maintenance frequency of SAF filters is linked to the flushing frequency of the filter, which in turn is proportional to the amount of pollution in combination with applied filtration degree and capacity. With regular applications such as drip irrigation or overhead irrigation, once a year is usually sufficient. With UV disinfectants, maintenance usually also takes place once a year, or depending on the pollution load and capacity, 2 or even 3 times a year.
- Standard parts kits are available for regular maintenance, which are sufficient in most cases. Of course, these do not take specific local situations into account.
- Cleaning of the SAF filter screen in case of organic contamination takes place by exposing the screen to 0.1% hydrogen peroxide for a maximum of 30 minutes. For inorganic contamination we recommend 1% hydrochloric acid for max. 10-20 min. Note the removal of rubbers. After cleaning, the screen filter should be rinsed well (see also the SAF maintenance advice).
- A repair kit for SAF filters for treatment against corrosion is also available. This kit includes i.a. epoxy coating, thinner and a brush.

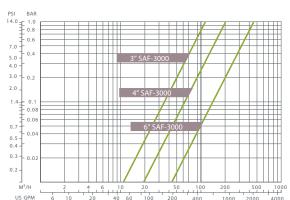


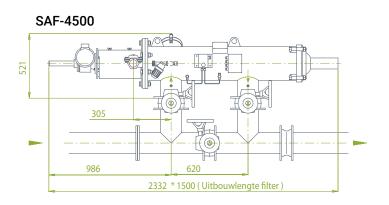
TECHNICAL DRAWINGS AND DIAGRAMS

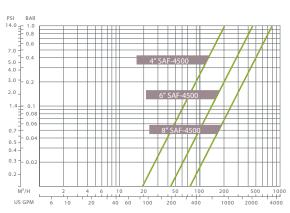


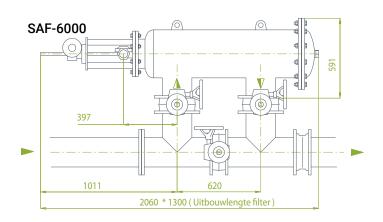


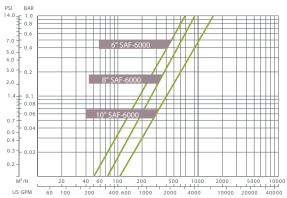










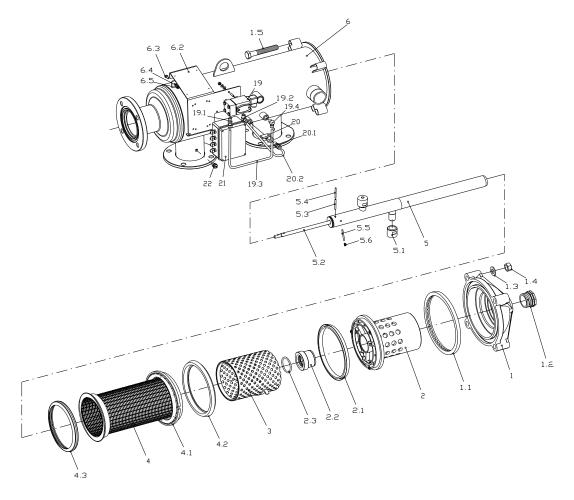


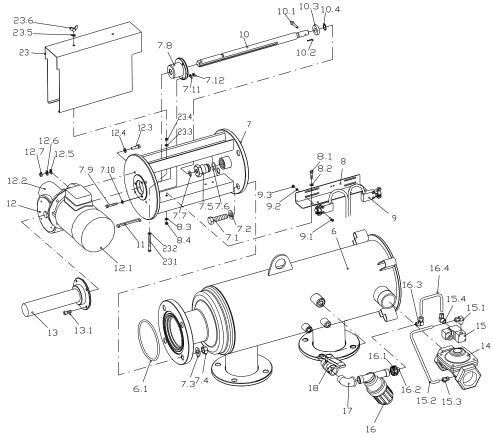


Item	Amiad SAF-1500 filter parts schedule	Netafim art.nr.
1	Housing lid	A.710103-002116
1.1	Lid seal	74480-006270
1.2	2" Plastic plug	76200-008500
1.5	Bolt M20 x 130 (x4)	A.760101-000361
2	Flushing chamber-SAF 1500	A.700190-002281
2.1	Flushing chamber seal	74480-012330
2.2	Scanner bearing-SAF 1500	74480-061070
2.3	bearing O-ring (P2-328)	74480-061150
3	Coarse screen	A.700101-000932
4	Fine screen	Consult portfolio overview
4.1	Cylinder centering ring	74480-001160
4.2	Upper screen Seal	74480-012350
4.3	Lower screen Seal	74480-006260
5	Suction scanner Assembly	A.700190-003477
	Suction scanner Super-nozzles	74480-064000
	Super-nozzle set	02227-303175
		74480-060930
	Super-nozzle cap O-ring super-nozzle cap	74480-060930
5.1	U-ring super-nozzie cap Suction nozzle	74480-060940
5.1		
5.2	Suction scanner Shaft	74480-064100 74480-060980
5.3	Slotted spring pin 5 X 50 (< 2015)	
5.4	Slotted spring pin 3 X 30 (< 2015)	74480-018069
5.5	Pin for Shaft (SAF-1500) 35 x 5 S/ST (> 2015)	A.710103-002091
5.6	Plug Threaded M8 (> 2015)	A.710103-002501
6	Filter housing 2"	74420-030000
6	Filter housing 3"	74420-030010
6	Filter housing 4"	74420-030020
6.1	Housing O-ring (p 2-433)	74480-004710
6.2	Instrumentation bracket	A.710103-002074
6.3	Bolt M6 X 20 (X2)	A.760101-000444
7	Drive shaft housing	A.710105-001021
7.1	Bolt M16 X 60 (X4)	A.760101-000328
7.5	Sealing nut	74480-060880
7.6	Sealing nut external O-Ring	74480-060870
7.7	Sealing nut internal O-ring	74480-018000
7.8	Drive bushing	74480-017292
7.9	St.St. Bolt M6 X 35 (X3)	A.760101-000447
8	Limit Switch Sling	A.710103-002309
8.1	St.St. Bolt M6 X 15 (X 2)	A.760101-000443
8.4	St.St. Bolt M6 X 20 (X 2)	A.760101-000444
9	Mechanic Limit Switch (X2)	74480-040000
9.1	St.St. Bolt M4 X 20 (X 4)	A.760101-000439
10	Drive Shaft	A.710103-002164
10.1	Connecting Pin	74480-018060
10.2	Split pin 1.6 X12	74480-018065
10.3	Limit Switch Disc Mechanic	74480-060953
10.4	Disc lockingring	74480-060950
11	Drive Shaft Key	74480-017289
12	Drive unit (complete)	A.720201-000030
12.1	1/4 Hp Electric Motor	74480-018360
		A.720202-000019
12.2	Worm Gear RMI 50, 23:1	
12.3	Bolt M8 X 40 (X4)	A.760101-000308
12.4	M8 Washer (X4)	A.760103-000075
12.5	M8 Washer (X4)	A.760103-000075
12.6	M8 Spring Washer (X4)	A.760103-000142
12.6	M8 Nut (X4)	A.760102-000063
13	Drive Shaft Cover	74480-017294
13.1	Socket Set Screw M8X20 (X4)	A.760101-000522
14	2" Exhaust Valve (Dorot)	71600-002300
15	Solenoid Valve (GEM-SOL)	02244-600515

ltem	Amiad SAF-1500 filter parts schedule	Netafim art.nr.
15.1	L-Connector 8 x 1/4" (PE)	76400-003500
15.2	LDPE 8 x 1,5 mm	02058-250048
15.3	Connector 8 x 1/4" (PE)	76400-002300
15.3	Connector 8 x 1/4" (PE)	76400-002300
15.4	L-Connector 8 x 1/8" (PE)	76400-003400
16	3/4" Control Filter	74400-001090
	Screen control filter 0.2 mm	74480-001040
16.1	Raccord Connector Nut	74480-060800
16.2	Raccord Connector Nipple	74480-060700
16.3	L-Connector 8 x 1/4" (PE)	76400-003500
16.4	LDPE 8 x 1,5 mm	02058-250048
17	3/4" Angle	A.780101-000789
18	3/4" Ball Valve	A.730104-000220
19	Pressure Differential Switch (Midwest)	74480-011560
19.1	Connector 8 x 1/8" (PE)	76400-002100
19.2	Connector 8 x 1/8" (PE)	76400-002100
19.3	LDPE 8 x 1,5 mm	02058-250048
19.4	L-Connector 8 x 1/4" (PE)	76400-003500
20	Manometer valve 1/4"	74480-061120
20.1	L-Connector 8 x 1/4" (PE)	76400-003500
20.2	LDPE 8 x 1,5 mm	02058-250048
21	Electronic board type"C" 3-phs	74480-020000
22	Pressure Check Point - cap	74480-006350
22	Pressure Check Point - rubber	74480-006370
23	Drive Shaft Housing Cover	A.710105-001189
23.1	Bolt M6 x 60 (x 2)	A.760101-000450
23.4	Nut M6 (x 2)	A.760102-000085
23.5	St.St. Washer M6 (X2)	A.760103-000094
23.6	St.St. Winged nut M6 (X2)	A.760102-000107
	Am-SAF-ond O-ring set SAF-1500	74480-061200





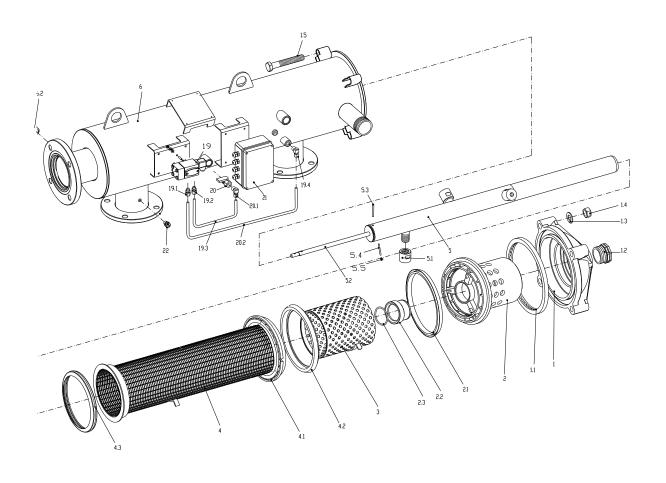


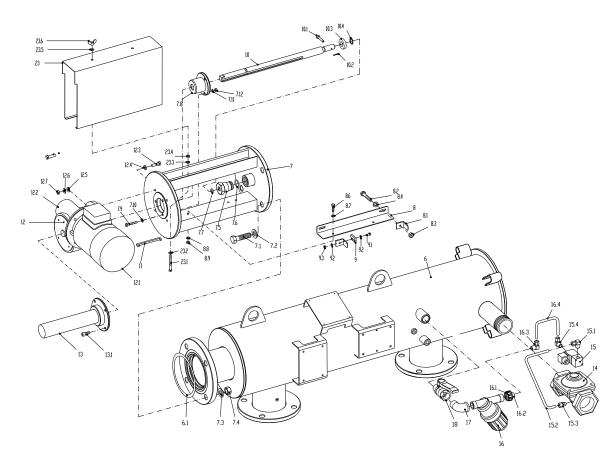


Item	Amiad SAF-3000 filter parts schedule	Netafim art.nr.
1	Housing lid	A.710103-000679
1.1	Lid seal	74480-006270
1.2	2" Plastic plug	76200-008500
1.3	Washer M20 (x4)	A.760103-000070
2	Flushing chamber	74480-012340
2.1	Flushing chamber seal	74480-012330
2.2	Suction scanner bearing	74480-017407
2.3	Bearing O-ring	74480-018020
3	Coarse screen	A.700101-000932
4	Fine screen	Consult portfolio overview
4.1	Cylinder centering ring	74480-017647
4.2	Upper screen seal	74480-012350
4.3	Lower screen seal	74480-006260
5	Suction Scanner Assembly	74480-064020
	Suction Scanner Assembly Super-nozzle	74480-060882
	Suction-nozzle complete	74480-018110
	Super-nozzle cap	74480-060930
	O-ring Super-nozzle cap	74480-060940
	Am-SAF-ond Super-nozzle set T3	02227-303176
5.1	Suction nozzle	74480-060970
5.2	Suction scanner Shaft	74480-064120
5.3	Slotted spring pin 5 X 50 (< 2015)	74480-060980
5.4	Pin for Shaft (SAF-3000) 45 x 5 S/ST (> 2015)	A.710103-002520
5.5	Plug Threaded M8 (> 2015)	A.710103-002501
6	Filter housing 3"	74420-030100
6	Filter housing 4"	74420-030110
6	Filter housing 6"	74420-030120
6.1	-	74480-004710
6.2	Housing O-ring (p 2-433)	A.780101-000773
	3/4" Galvanized plug	A.700190-002275
7	Drive shaft housing	
7.1	Bolt M16 X 60 (X4)	A.760101-000328
7.5	Sealing nut	74480-060880 74480-060870
7.6	Sealing nut external O-Ring	
7.7 7.8	Sealing nut internal O-ring Drive bushing	74480-018000 74480-017292
7.8	St.St. Bolt M6 X 35 (X3)	A.760101-000447
8	Limit Switch Sling	A.710103-002168
8.1	Limit Switch Sait (X2)	A.710103-002108
8.2	St.St. Bolt M6 X 15 (X 2)	A.760101-000443
9	Magnetic Limit Switch (X2)	74480-060952
9	Mechanic Limit Switch (X2)	74480-040000
9.1	St.St. Bolt M3 X 10 (X 4)	A.760101-000437
10	Drive Shaft	A.710103-002164
10.1	Connecting Pin	74480-018060
10.1	Split pin 1.6 X12	74480-018065
10.2	Magnetic disc	74480-060951
10.0	Mechanic disc	74480-060951
10.4	Magnetic disc Locking Ring	74480-060950
11	Drive Shaft Key	74480-017289
12	Drive unit (complete)	A.720201-000030
12.1	1/4 Hp Electric Motor	74480-018360
12.1	Worm Gear RMI 50, 23:1	A.720202-000019
12.3	Bolt M8 X 40 (X4)	A.760101-000308
13	Drive Shaft Cover	74480-017294
13.1	Socket Set Screw M8X20 (X4)	A.760101-000522
14	2" Exhaust Valve Nylon	71600-002300
15	Bacc. Solenoid NO/AC + base	02244-600515
15.1	L-Connector 8 x 1/4" (PE)	76400-003500
15.2	LDPE 8 x 1,5 mm	02058-250048
15.3	Connector 8 x 1/4" (PE)	76400-002100

Item	Amiad SAF-3000 filter parts schedule	Netafim art.nr.
15.4	L-Connector 8 x 1/8" (PE)	76400-003400
16	3/4* Control Filter	74400-001090
16	3/4* Filter cylinder 200 micron	74480-001040
16.1	Raccord Connector Nut	74480-060800
16.2	Raccord Connector Nipple	74480-060700
16.3	L-Connector 8 x 1/4" (PE)	76400-003500
16.4	LDPE 8 x 1,5 mm	02058-250048
17	3/4" Angle	A.780101-000789
18	3/4* Ball Valve	A.730104-000223
19	Pressure Differential Switch (MidWest)	74480-011560
19.1	Connector 8 x 1/4" (PE)	76400-002100
19.2	Connector 8 x 1/4" (PE)	76400-002100
19.3	LDPE 8 x 1,5 mm	02058-250048
19.4	L-Connector 8 x 1/4" (PE)	76400-003500
20	Manometer valve 1/4"	74480-061120
20.1	L-Connector 8 x 1/4" (PE)	76400-003500
20.2	LDPE 8 x 1,5 mm	02058-250048
21	Electronic board type"C" 3-phs	74480-020000
22	Pressure Check Point - cap	74480-006350
22	Pressure Check Point - rubber	74480-006370
23	Drive Shaft Housing Cover	A.710105-001189
23.1	Bolt M6 x 60 (x 2)	A.760101-000450
23.6	St.St. Winged nut M6 (X2)	A.760102-000107
	Am-SAF-ond O-ring set SAF-3000	74480-061210





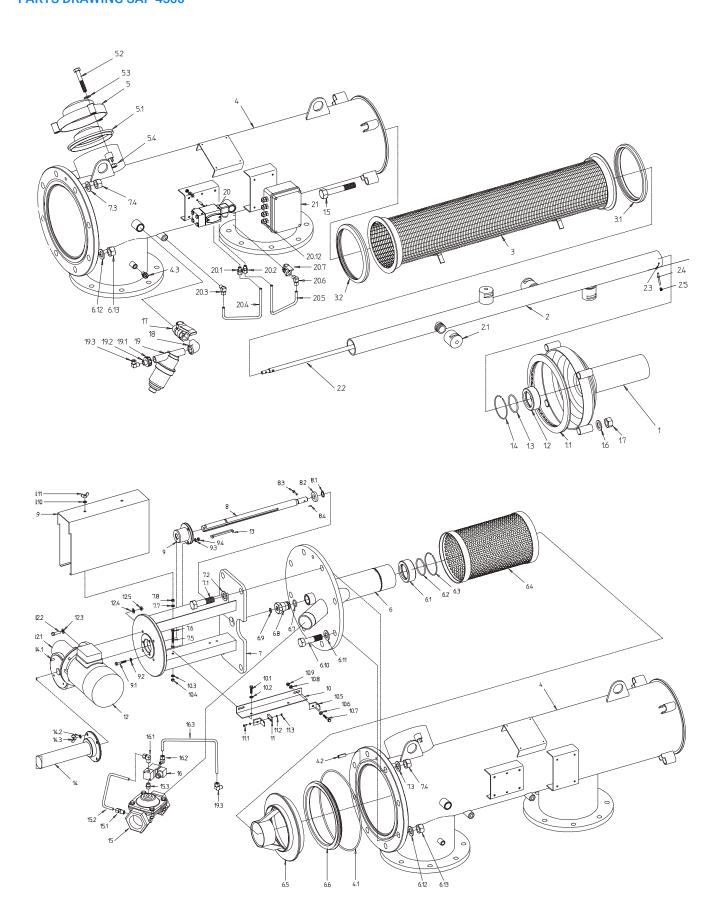




Item	Amiad SAF-4500 filter parts schedule	Netafim art.nr.
1	Housing lid	74480-017403
1.1	Lid Seal	74480-060960
1.2	Suction Scanner Bearing	74480-061100
1.3	Bearing O-Ring	74480-018020
1.4	Locking Spring Ring	74480-061236
1.5	Bolt M20 x 120 (x4)	A.760101-000360
2	Suction Scanner Assembly	A.700190-003478
	Suction Scanner Super-nozzle	74480-060885
	Super-nozzle set	02227-303177
	Super-nozzle cap	74480-060930
	O-ring Super-nozzle cap	74480-060940
2.1	Suction Nozzle	74480-060920
2.2	Suction Scanner Shaft	A.710102-000833
2.3	Slotted Spring pin 5 X 50 (< 2015)	74480-060980
2.4	Pin for Shaft (SAF-4500) 45 x 5 S/ST (> 2015)	74480-066285
2.5	Plug Threaded M8 (> 2015)	74480-066286
3	Fine Screen	Consult portfolio overview
3.1	Screen Seal	74480-006260
3.2	Screen Seal	74480-006260
4	Filter Housing 4"	74420-030200
	Filter Housing 6"	74420-030210
4.1	Housing O-Ring	74480-061235
4.2	Centering Pin	A.760105-000026
22	Pressure Check Point - cap	74480-006350
22	Pressure Check Point - rubber	74480-006370
5	Service Port Lid	A.710105-003777
5.1	Service Port Lid Seal	74480-008360
5.2	Bolt M12 X 80 (X3)	A.74480-011895
6		A.710105-001115
6.1	Flushing Chamber	74480-061100
	Suction Scanner Bearing	
6.2	Bearing 0-Ring	74480-018020
6.3	Locking Spring Ring	74480-061236
6.4	Coarse Screen	A.700101-000958
6.5	Screens Adaptor	A.710105-001106
6.6	Screens Adapter Seal	74480-062750
6.7	Sealing Nut External O-Ring	74480-060870
6.8	Sealing Nut	74480-060880
6.9	Sealing Nut Internal O-Ring	74480-018000
6.10	Bolt M20 X 80 (X4)	76540-019320
7	Drive Shaft Housing	A.710105-001116
7.1	Bolt M20 X 80	76540-019320
7.5	St.St. Bolt M6 X 60	A.760101-000450
7.6	St.St. Washer M6	A.760103-000094
7.7	St.St. Washer M6	A.760103-000094
7.8	St.St. Nut M6	A.760102-000085
7.9	Drive Shaft Housing Cover	A.710105-003779
7.11	St.St. Winged Nut M6 (X2)	A.760102-000107
8	Drive Shaft	A.710103-002164
8.1	Magnetic disc Locking Ring	74480-060950
8.2	Magnetic Limit Switch disc	74480-060951
	Mechanic Limit Switch disc	74480-060953
8.3	Connecting Pin	74480-018060
8.4	Split pin 1.6 X12	74480-018065
9	Drive Bushing	74480-017292
9.1	St.St. Bolt M6 X 35 (X3)	A.760101-000447
10	Limit Switch Sling	A.710103-002168
10.1	St.St. Bolt M6 X 20 (X 2)	A.760101-000444
10.6	Limit Switch Seat (X2)	A.710103-002190
11	Magnetic Limit Switch (X2)	74480-060952
	Mechanic Limit Switch (X2)	74480-040000

Item	Amiad SAF-4500 filter parts schedule	Netafim art.nr.
11.1	St.St. Bolt M3 X 10 (X 4)	A.760101-000437
12	1/3 Hp Electric Motor**	74480-018370
	1/4 Hp Electric Motor	74480-018360
12.1	Worm Gear RMI 50, 28 :1**	74480-017296
	Worm Gear RMI 50, 23:1	A.720202-000019
12.2	Bolt M8 X 40 (X4)	A.760101-000308
13	Drive Shaft Key	74480-017289
14	Drive Shaft Cover	74480-017294
14.1	Socket Set Screw M6X45 (X4)	A.760101-000522
14.2	St.St. Washer M6 (X4)	A.760103-000094
14.3	St.St. Winged Nut M6 (X4)	A.760102-000107
15	2" Exhaust Valve (Dor-75-bas)	71600-002300
15.1	Nipple 8 x 1/4" (PE)	76400-002300
15.2	LDPE 8 x 1,5	02080-250038
15.3	Connector 1/4" x 1/4" (PE)	76400-006300
16	Solenoid Valve	02244-600515
16.1	Elbow 8 x 1/4" (PE)	76400-003500
16.2	Elbow 8 x 1/8" (PE)	76400-003400
17	3/4" Ball Valve	A.730104-000220
18	3/4" Angle	A.780101-000789
19	3/4" Control Filter 0.2 mm	74400-001090
	Screen 3/4" Filter 200 micron	74480-001040
19.1	Raccord Connector Nut	74480-060800
19.2	Raccord Connector Nipple	74480-060700
19.3	Elbow 8 x 1/4" (PE)	76400-003500
20	Pressure Differential Switch (Midwest)	74480-011560
20.1/2	Nipple 8 x 1/8" (PE)	76400-002100
20.3	Elbow 8 x 1/4" (PE)	76400-003500
20.6	Elbow 8 x 1/4" (PE)	76400-003500
20.7	Manometer valve 1/4"	74480-061120
20.12	Cable Connector - PG-7	A.720204-000035
21	Electronic board type"C" 3-phs	74480-020000
	Am-SAF-ond O-ring set SAF-4500	74480-061220







1 Tightening plug- leading shaft 74480-064210 2 Tightening plug- seal 74480-064300 3 leading shaft 74480-064300 4 Uuper bearing insert 74480-064300 5 Housing lid A710105-001239 7 Bolt M20 x 90 (x12) A761011-000355 8 Centering sleeve (x 2) 74480-060170 9 Suction scanner A700190-0002473 Super-nozzle seal T6 02227-303174 Super-nozzle seal T6 02227-303174 Super-nozzle seal T6 74480-060900 Super-nozzle seal T6 74480-060900 Super-nozzle seal T6 74480-060900 Super-nozzle seal T6 74480-060900 Super-nozzle seal T1346 74480-060900 9.1 Suction Super-nozzle seal T1346 74480-060900 9.2 Seamer nozzle (x 4) 74480-060910 9.2 Seamer nozzle (x 4) 74480-060910 9.3 Suction scanner's shaft 74480-060910 9.3 Suction scanner's shaft 74480-060910 9.4 Solted Spring pin S X 50 (x 2015) 74480-060910 9.5 Solted Spring pin S X 30 (x 2015) 74480-060910 9.6 Pin for Shaft (SAF-0000) 45 x 5 5/5T (x 2015) 74480-070910 Seren seal (x 2) 74480-07251 10 Screen seal (x 2) 74480-07251 11 Fine screen Consult profition coverview 7480-06094 12 Lid seal 7480-06094 13 Three-Way Valve A70000-0720 13 Three-Way Valve A7000000000000000000000000000000000000	Item	Amiad SAF-6000 filter parts schedule	Netafim art.nr.
1	1	Tightening plug - leading shaft	74480-064210
4 Upper bearing insert 7.4480-66400 5 Housing lid	2	Tightening plug - seal	74480-064300
5 Housing lid A.710105-001239 7 Bolt M20 x 80 (x12) A.760101-000355 8 Centering sleeve (x 2) 7.4480-06370 9 Suction scanner A.700190-002473 Suction scanner Super-noz T6 7.4480-06390 Super-nozzle set T6 02227-303174 Super-nozzle cap T1346 7.4480-06090 91 Suction 7.4480-06090 92 Scanner nozzle (x 4) 7.4480-060910 93 Suction scanner shaft 7.4480-06014140 94 Slotted Spring pin 3 x 30 (< 2015)	3	leading shaft	74480-012345
7 Bott M20 x 80 (x12) A 760101-000355 8 Centering sleeve (x 2) 74480 061170 9 Suction scanner A 700109 002473 Suction scanner Super-noz T6 74480 06090 Super-nozzle cap T6 74480 060900 Oring Super-nozzle cap T1346 74480 460900 9 Suction 74480 660910 9.2 Scanner nozzle (x 4) 74480 660910 9.3 Suction scanner shaft 74480 660910 9.4 Slotted Spring pin S X 50 (x 2015) 74480 060980 9.5 Slotted Spring pin S X 30 (x 2015) 74480 018069 9.6 Pin for Shaf (SAF-6000) 45 x 5 S/ST (x 2015) A 710103-002501 9.7 Plug Threaded M8 (x 2015) A 72001-000202 1.1 Fine screen Consult portfolio overview 4.2 Lid seal <t< td=""><td>4</td><td>Upper bearing insert</td><td>74480-064400</td></t<>	4	Upper bearing insert	74480-064400
8 Centering sleeve (x 2) 7,4480-061170 9 Suction scanner A700190-002473 Suction scanner Super-noz T6 7,480-060990 Super-nozzle set T6 92227-303174 Super-nozzle cap T6 7,480-060900 O-ring Super-nozzle cap T1346 7,480-060900 O-ring Super-nozzle cap T1346 7,480-060900 9.1 Suction Scanner shaft 7,480-060910 9.2 Scanner nozzle (x 4) 7,480-060910 9.3 Suction scanner shaft 7,480-060910 9.4 Sistited Spring pin 5X 50 (x 2015) 7,480-060980 9.5 Sistited Spring pin 5X 50 (x 2015) 7,480-060980 9.6 Pin for Shaft (SAF-06000 45 x 5 SYST (x 2015) 7,480-060980 9.6 Pin for Shaft (SAF-06000 45 x 5 SYST (x 2015) 7,480-060980 9.6 Pin for Shaft (SAF-06000 45 x 5 SYST (x 2015) 7,480-018069 9.7 Plug Threaded M8 (x 2015) 7,480-012310 Screen seal (x 2) 7,480-012311 11 Eine screen Consult portfolio overview 7,480-012312 12 Lid seal 7,480-060945 13.1 L-Connector 5/16 x 1/4" 7,480-060945 13.3 L-Connector 5/16 x 1/4" 7,480-060945 13.4 Pressure Gauge 7,780-06000 13.5 L-Connector 5/16 x 1/4" 7,780-0600002 13.4 Pressure Gauge 7,780-0600002 14 Filter housing 6" 7,4420-033000 15.1 Bolt MS x 16 (x 4) 7,480-0609003 15.1 Bolt MS x 16 (x 4) 7,480-0600003 15.2 Nut MS (x 4) 7,480-060000000000000000000000000000000000	5	Housing lid	A.710105-001239
Suction scanner A700190.002473 Suction scanner Super-noz T6 74480-60890 Super-nozzle et T6 02227-393174 Super-nozzle cap T6 74480-60900 Oring Super-nozzle cap T1346 74480-609040 9.1 Suction 74480-609040 9.1 Suction 74480-609015 9.2 Scanner nozzle (x 4) 74480-609016 9.3 Suction scanner shaft 74480-60911 9.4 Slotted Spring pin SX 50 (c 2015) 74480-18869 9.5 Slotted Spring pin SX 50 (c 2015) 74480-18869 9.6 Pin for Shaft (SAF-6000) 45 x 5 S/ST (c 2015) A710103-00250 9.7 Plug Threaded M6 (c 2015) A710103-002501 11 Fine screen Consult portfolio overview A7480-609045 12 Lid seal 74480-609045 13 Three-Way Valve A730104-000202 13.1 L'Connector 5/16' x 1/4" A720501-000202 13.2 1/4' Brass Bushing A720501-000202 13.3 L'Connector 5/16' x 1/4" A720501-000202 13.4 Pressure Gauge A720301-000043 13.5 L'Connector 5/16' x 1/4" A720501-000202 14. Filter housing 6' 74420-030000 Filter housing 6' 74420-030000030 16 Pressure Differential Switch (Midwest) A760101-000531 16 Connector 5/16' x 1/8' A720501-000202 17 Manmenter valve 1/4" A720501-000202 18 L'Connector 5/16' x 1/4" A720501-000202 18 L'Connector 5/16' x 1/4" A720501-000202 18 Salen MS x 16 (x 4) A760101-000531 18 Dott MS x 16 (x 4) A760101-000531 19 Dott MS x 16 (x 2) A760101-000531 20 Saling Bange Oring A7480-061050 20 Saling Bange Oring A7480-061050 20 Saling Bange Oring A7480-060950 20 Saling Bange Oring A7480-060950	7	Bolt M20 x 80 (x12)	A.760101-000355
Suction scanner Super-nozz 16 74480-060890 Super-nozzle set T6 02227-303174 Super-nozzle set T6 7480-060900 Oring Super-nozzle cap T1346 7480-060900 19.1 Suction 7480-060900 19.2 Scanner nozzle (x 4) 7480-060910 19.3 Suction scanner shaft 7480-060910 19.4 Stotted Spring pin SX 50 (x 2015) 7480-060910 19.5 Stotted Spring pin SX 50 (x 2015) 7480-060980 19.6 Pin for Shaft (SAF-6000) 45 x 5 x/5T (x 2015) A71013-002501 10. Screen seal (x 2) 7480-01310 11. Fine screen Consult portfolio overview 7480-060912 12. Lid seal 7480-060912 13.1 L'Connector S/16" x 1/4" A720501-00020 13.2 L'Connector S/16" x 1/4" A720501-00020 13.3 L'Connector S/16" x 1/4" A720501-00020 13.4 Pressure Gauge A720301-000202 13.5 L'Connector S/16" x 1/4" A720501-000202 13.6 Copper Tube S/16" A740-060935 13.7 L'Connector S/16" x 1/4" A720501-000202 13.8 L'Connector S/16" x 1/4" A720501-000202 13.9 L'Connector S/16" x 1/4" A720501-000202 13.1 L'Connector S/16" x 1/4" A720501-000202 13.2 L'Connector S/16" x 1/4" A720501-000202 13.3 L'Connector S/16" x 1/4" A720501-000202 13.4 Pressure Gauge A720301-000203 13.5 L'Connector S/16" x 1/4" A720501-000202 13.6 L'Connector S/16" x 1/4" A720501-000202 13.7 L'Connector S/16" x 1/4" A720501-000202 13.8 L'Connector S/16" x 1/4" A720501-000202 13.9 L'Connector S/16" x 1/4" A720501-000202 13.1 L'Connector S/16" x 1/4" A720501-000202 13.2 L'Connector S/16" x 1/4" A720501-000202 13.3 L'Connector S/16" x 1/4" A720501-000202 13.4 Pitter housing 6" A7420-033000 15.1 Bolt MS x 16 (x 4) A760101-000531 15.2 Electronic board type" C" 3-phs A7440-030300 15.1 Bolt MS x 16 (x 4) A760101-000531 15.2 Connector S/16" x 1/4" A720501-000202 15.3 A760101-000202 15.4 Connector S/16" x 1/4" A720501-000202 15.5 Electronic board type" C" 3-phs A7440-030300 15.6 Electronic board type" C" 3-phs A7440-030300 15.7 Electronic board type" C" 3-phs A7440-030300 15.8 Electronic board type" C" 3-phs A7440-030300 15.9 Electronic board type" C" 3-phs A7440-03	8	Centering sleeve (x 2)	74480-061170
Super-nozzle set T6 Super-nozzle cap T6 Super-nozzle cap T6 Oring Super-nozzle cap T1346 Oring Super-nozzle cap T1346 Oring Super-nozzle cap T1346 Oring Super-nozzle (x4) Suction 74480-060900 9.1 Suction scanner shaft 74480-06110 9.3 Suction scanner shaft 74480-06110 9.4 Slotted Spring pin 5x 50 (c 2015) 74480-060980 9.5 Slotted Spring pin 5x 50 (c 2015) 74480-060980 9.6 Pin for Shaft (SAF-6000) 45 x S s/ST (c 2015) A710103-002501 0.5 Sureen seal (x2) 74480-012210 1.5 Sureen seal (x2) 1.7 Sureen seal (x2) 1.	9	Suction scanner	A.700190-002473
Super-nozzle cap 16		Suction scanner Super-noz T6	74480-060890
O-ring Super-nozzle cap T1346 74480-60940 9.1 Suction 74480-020705 9.2 Scanner nozzle (x 4) 74480-060910 9.3 Suction scanner shaft 74480-060910 9.4 Slotted Spring pin S X 50 (< 2015)		Super-nozzle set T6	02227-303174
9.1 Suction 74480-020705 9.2 Scanner nozzle (x 4) 74480-060910 9.3 Suction scanner shaft 74480-060910 9.4 Slotted Spring pin 5 x 50 (< 2015)		Super-nozzle cap T6	74480-060900
9.2 Scanner nozzle (x 4) 74480-060910 9.3 Suction scanner shaft 74480-0604140 9.4 Slotted Spring pin S x S0 (< 2015)		O-ring Super-nozzle cap T1346	74480-060940
9.3 Suction scanner shaft 74480-064140 9.4 Slotted Spring pin 5 x 50 (< 2015) 74480-060980 9.5 Slotted Spring pin 3 x 30 (< 2015) 74480-018069 9.6 Pin for Shaft (SAF-6000) 45 x 5 x/ST (> 2015) A710130-02520 9.7 Plug Threaded M8 (> 2015) A71013-002501 11 Fine screen Consult portfolio overview 12 Lid seal 74480-060945 13 Three-Way Valve A730104-000202 13.1 L-Connector 5/16 x 1/4" A720501-000202 13.2 1/4" Brass Bushing A720501-000202 13.3 L-Connector 5/16 x 1/4" A720501-000202 13.4 Pressure Gauge A720301-000043 13.5 L-Connector 1/4"M X 1/4"F 74480-064500 13.6 Copper Tube 5/16" A720501-000202 14 Filter housing 6" 74420-030300 15 Electronic board type 'C' 3-phs 74420-030300 15 Electronic board type 'C' 3-phs 74480-020000 15 Pressure Differential Switch (Midwest) 74480-01500 16.1 Connector 5/16" x 1/8" A720501-000201 15.2 Nut M5 (x 4) A760110-00051 16.3 Washer M5 16.4 Copper Tube 5/16" A720501-000201 16.5 Copper Tube 5/16" A720501-000202 17.5 Relectronic board type 'C' 3-phs 74480-020000 18.6 Pressure Differential Switch (Midwest) 74480-0150003 18.6 Connector 5/16" x 1/8" A720501-000202 19.6 A720501-000202 10.7 A720501-000202 10.7 A720501-000203 10.7 A72	9.1	Suction	74480-020705
9.3 Suction scanner shaft 7.4480-064140 94 Slotted Spring pin 5 x 50 (< 2015) 7.4480-060980 95 95 Slotted Spring pin 3 x 30 (< 2015) 7.4480-018069 96 Pin for Shaft (SAF-6000) 45 x 5 x/ST (< 2015) 7.4480-018069 97 Plug Threaded M8 (< 2015) 7.4480-012310 7.4480-012310 7.4480-012310 7.4480-012310 7.4480-012310 7.4480-012310 7.4480-012310 7.4480-012310 7.4480-012310 7.4480-00945 7.44	9.2	Scanner nozzle (x 4)	74480-060910
9.4 Slotted Spring pin 5 x 50 (< 2015) 74480-060980 9.5 Slotted Spring pin 3 x 30 (< 2015) 74480-018069 9.6 Pin for Shaft (SAF-6000) 45 x 5 x 5/ST (< 2015) A710103-002520 9.7 Plug Threaded M8 (< 2015) A710103-002520 1.1 Screen seal (x 2) 74480-012310 1. Screen seal (x 2) 74480-012311 1. Fine screen Consult portfolio overview 1.2 Lid seal 74480-060945 1.3 Three-Way Valve A730104-000202 1.3.1 L-Connector 5/16' x 1/4' A720501-000202 1.3.2 1/4' Brass Bushing A720501-000202 1.3.3 L-Connector 5/16' x 1/4' A720501-000202 1.3.4 Pressure Gauge A720501-000202 1.3.5 L-Connector 1/4'MX 1/4'F 74480-064500 1.3.6 Copper Tube 5/16' A720501-000202 1.4.7 Filter housing 6' A7420-030300 1.5 Electronic board type'C' 3-phs 74420-030300 1.5 Electronic board type'C' 3-phs 74480-020000 1.5 Connector 5/16' x 1/8' A760102-000084 1.5 Owner of Shaft (x 1/8' A720501-000213 1.5 Owner of Shaft (x 1/8' A7205	9.3		74480-064140
9.5 Slotted Spring pin 3 X 30 (< 2015) 74480-018069 9.6 Pin for Shaft (SAF-6000) 45 x 5 S/ST (> 2015) A710103-002520 9.7 Plug Threaded M8 (< 2015) A710103-002501 10 Screen seal (x 2) 74480-012310 11 Fine screen Consult portfolio overview 74480-060945 12 Lid seal 74480-060945 13.1 L-Connector 5/16' x 1/4" A720501-000202 13.2 1/4" Brass Bushing A720501-000220 13.3 L-Connector 5/16' x 1/4" A720501-000202 13.4 Pressure Gauge A720301-000043 13.5 L-Connector 5/16' x 1/4" A720501-000202 13.6 Copper Tube 5/16' A720501-000202 13.7 L-Connector 5/16' x 1/4" A720501-000202 13.8 L-Connector 5/16' x 1/4" A720501-000202 13.9 L-Connector 5/16' x 1/4" A720501-000202 13.1 Filter housing 6" A7400-030300 15.1 Bolt M5 x 16 (x 4) A720501-000202 15.1 Bolt M5 x 16 (x 4) A760101-000531 15.2 Lounector 5/16' x 1/4" A720501-000203 15.3 Washer M5 A760101-000531 16.4 Connector 5/16' x 1/8" A720501-000203 16.6 Pressure Differential Switch (Midwest) A7400-01560 16.1 Connector 5/16' x 1/8" A720501-000213 16.2 Connector 5/16' x 1/8" A720501-000213 16.3 L-Connector 5/16' x 1/8" A720501-000213 16.4 Copper Tube 5/16' (LP) A720502-000025 16.5 Copper Tube 5/16' (LP) A720502-000025 16.6 L-Connector 5/16' x 1/4" A720501-000213 16.9 Bolt M5 x 16 (x 2) A760101-000531 17.0 Drive shaft housing seal A7400-000962 18.1 Connector 5/16' x 1/4" A720501-000213 18.2 Cable Connector -PG-7 A72004-000035 18.3 Cable Connector -PG-7 A72004-000035 19.4 St. St. washer M10 (x 2) A760101-000952 20.1 St. St. washer M10 (x 2) A760101-000952 21.5 St. St. washer M10 (x 2) A760101-000097 22.5 Sealing flange A7480-061950 23.5 Sealing flange A7480-061950 24.6 Bolt M8 x 40 (x 4) A760101-000098 24.6 Drive shaft housing Seal A760101-000098 25.6 Bolt M8 x 40 (x 4) A760101-000098 26.8 Magnetic disc Locking Ring A7480-06950 27.4 Magnetic disc Locking Ring A7480-06950			
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Filter housing 8" 74420-030310 15 Electronic board type*C* 3-phs 74480-020000 15.1 Bolt M5 x 16 (x 4) A.760102-000084 15.2 Nut M5 (x 4) A.760102-000084 15.3 Washer M5 A.760103-000093 16 Pressure Differential Switch (Midwest) 74480-011560 16.1 Connector 5/16* x 1/8* A.720501-000213 16.2 Connector 5/16* x 1/8* A.720501-000213 16.3 L-Connector 5/16* x 1/4* A.720501-000202 16.4 Copper Tube 5/16* (L.P.) A.720502-000025 16.5 Copper Tube 5/16* (L.P.) A.720502-000025 16.6 L-Connector 5/16* x 1/4* A.720501-000202 16.7 Manometer valve 1/4* 74480-061120 16.9 Bolt M5 x 16 (x 2) A.760101-000531 16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 19 Flushing chamber A.700101-000982 20 Bolt M10 x 30 (x2) A.760101-000459 21 Sealing flange A.7480-061135 22 Sealing flange A.7480-061030 23 Sealing flange A.7480-061030 24 Drive shaft housing A.760101-000330 25 Bolt M16 x 70 (x 8) A.760101-000308 26 Bolt M8 x 40 (x4) A.760101-000308 27 Magnetic disc A.7480-06950 A.7480-06950 A.760101-000308 A.			
15 Electronic board type*C* 3-phs 74480-020000 15.1 Bolt M5 x 16 (x 4) A760101-000531 15.2 Nut M5 (x 4) A760102-000084 15.3 Washer M5 A760103-000093 16 Pressure Differential Switch (Midwest) 74480-011560 16.1 Connector 5/16* x 1/8* A.720501-000213 16.2 Connector 5/16* x 1/8* A.720501-000213 16.3 L-Connector 5/16* x 1/4* A.720501-000202 16.4 Copper Tube 5/16* (H.P) A.720502-000025 16.5 Copper Tube 5/16* (L.P) A.720502-000025 16.6 L-Connector 5/16* x 1/4* A.720501-000202 16.7 Manometer valve 1/4* 74480-061120 16.9 Bolt M5 x 16 (x 2) A.760101-000531 16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 20 Bolt M10 x 30 (x2) A.760101-000459 21 St. St. washer M10 (x 2) A.760103-000097 22	14	Filter housing 6"	74420-030300
15.1 Bolt M5 x 16 (x 4) 15.2 Nut M5 (x 4) 15.3 Washer M5 16.1 Connector 5/16' x 1/8' 16.1 Connector 5/16' x 1/8' 16.2 Connector 5/16' x 1/8' 16.3 L-Connector 5/16' x 1/8' 16.4 Copper Tube 5/16' (H.P.) 16.5 Copper Tube 5/16' (H.P.) 16.6 L-Connector 5/16' x 1/4' 16.9 Bolt M5 x 16 (x 2) 16.1 Cable Connector 5/16' x 1/4' 16.9 Bolt M5 x 16 (x 2) 16.1 Connector 5/16' x 1/4' 16.2 Copper Tube 5/16' (H.P.) 16.3 L-Connector 5/16' x 1/4' 16.4 Copper Tube 5/16' (L.P.) 16.5 Copper Tube 5/16' (L.P.) 16.6 L-Connector 5/16' x 1/4' 16.9 Bolt M5 x 16 (x 2) 16.10 Cable Connector - PG-7 16.11 Cable Connector - PG-7 17 Drive shaft housing seal 18 Coarse screen 19 Flushing chamber 19 Flushing chamber 10 A700101-000982 19 Flushing flange 20 Bolt M10 x 30 (x2) 21 St. St. washer M10 (x 2) 22 Sealing flange 23 Sealing flange 24 Drive shaft housing 25 Bolt M16 x 70 (x 8) 26 Bolt M8 x 40 (x4) 27 Magnetic disc 28 Magnetic disc 29 Magnetic disc 20 Magnetic disc 20 Magnetic disc 20 Magnetic disc 20 Magnetic disc 21 T4480-060950 22 Magnetic disc 23 Magnetic disc 24 Magnetic disc 25 Magnetic disc 26 Magnetic disc 27 M480-060950 28 Magnetic disc		Filter housing 8"	74420-030310
15.2 Nut M5 (x 4) A 760102-000084 15.3 Washer M5 A 760103-000093 16 Pressure Differential Switch (Midwest) 74480-011560 16.1 Connector 5/16° x 1/8° A 720501-000213 16.2 Connector 5/16° x 1/4° A 720501-000202 16.3 L-Connector 5/16° k 1/4° A 720502-000025 16.4 Copper Tube 5/16° (L.P) A 720502-000025 16.5 Copper Tube 5/16° (L.P) A 720501-000202 16.6 L-Connector 5/16° x 1/4° A 720501-000202 16.7 Manometer valve 1/4° 74480-061120 16.9 Bolt M5 x 16 (x 2) A 760101-000531 16.12 Cable Connector - PG-7 A 720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A 700101-000982 19 Flushing chamber A 700109-002424 20 Bolt M10 x 30 (x2) A 760101-000459 21 St. St. washer M10 (x 2) A 760103-000097 22 Sealing flange O-ring 74480-061135 24 <td< td=""><td>15</td><td>Electronic board type"C" 3-phs</td><td>74480-020000</td></td<>	15	Electronic board type"C" 3-phs	74480-020000
15.3 Washer M5 A.760103-000093 16 Pressure Differential Switch (Midwest) 74480-011560 16.1 Connector 5/16° x 1/8° A.720501-000213 16.2 Connector 5/16° x 1/8° A.720501-000202 16.3 L-Connector 5/16° x 1/4° A.720501-000202 16.4 Copper Tube 5/16° (L.P) A.720502-000025 16.5 Copper Tube 5/16° (L.P) A.720502-000025 16.6 L-Connector 5/16° x 1/4° A.720501-000202 16.7 Manometer valve 1/4° 74480-061120 16.9 Bolt M5 x 16 (x 2) A.760101-000531 16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 19 Flushing chamber A.700109-0002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-061135 24 Drive shaft housing A.760101-000330 26 Bolt M6 x 40 (x4) A.760101-000308 26	15.1	Bolt M5 x 16 (x 4)	A.760101-000531
16 Pressure Differential Switch (Midwest) 74480-011560 16.1 Connector 5/16' x 1/8' A.720501-000213 16.2 Connector 5/16' x 1/8' A.720501-000213 16.3 L-Connector 5/16' x 1/4' A.720501-000202 16.4 Copper Tube 5/16' (H.P) A.720502-000025 16.5 Copper Tube 5/16' (L.P) A.720501-000202 16.6 L-Connector 5/16' x 1/4' A.720501-000202 16.7 Manometer valve 1/4' 74480-061120 16.9 Bolt M5 x 16 (x 2) A.760101-000531 16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-061135 24 Drive shaft housing A.760101-000330 26 Bolt M8 x 40 (x4) A.760101-000330 26 <td>15.2</td> <td>Nut M5 (x 4)</td> <td>A.760102-000084</td>	15.2	Nut M5 (x 4)	A.760102-000084
16.1 Connector 5/16' x 1/8' A.720501-000213 16.2 Connector 5/16' x 1/8' A.720501-000213 16.3 L-Connector 5/16' x 1/4' A.720501-000202 16.4 Copper Tube 5/16' (H.P.) A.720502-000025 16.5 Copper Tube 5/16' (L.P.) A.720502-000025 16.6 L-Connector 5/16' x 1/4' A.720501-000202 16.7 Manometer valve 1/4' 74480-061120 16.9 Bolt M5 x 16 (x 2) A.760101-000531 16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-061135 24 Drive shaft housing A.770105-001270 25 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760101-000308 26.3 Spring washer M8 (x4) A.760103-000142 27	15.3	Washer M5	A.760103-000093
16.2 Connector 5/16' x 1/8' A.720501-000213 16.3 L-Connector 5/16' x 1/4" A.720501-000202 16.4 Copper Tube 5/16' (H.P.) A.720502-000025 16.5 Copper Tube 5/16' (L.P.) A.720502-000025 16.6 L-Connector 5/16' x 1/4" A.720501-000202 16.7 Manometer valve 1/4" 74480-061120 16.9 Bolt M5 x 16 (x 2) A.760101-000531 16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A.760101-000330 25 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760101-000308 26.3 Spring washer M8 (x4) A.760103-000142 27 Magnetic	16	Pressure Differential Switch (Midwest)	74480-011560
16.3 L-Connector 5/16* x 1/4* A.720501-000202 16.4 Copper Tube 5/16* (H.P.) A.720502-000025 16.5 Copper Tube 5/16* (L.P.) A.720502-000025 16.6 L-Connector 5/16* x 1/4* A.720501-000202 16.7 Manometer valve 1/4* 74480-061120 16.9 Bolt M5 x 16 (x 2) A.760101-000531 16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A.760101-000330 26 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760101-000308 26.3 Spring washer M8 (x4) A.760103-000142 27 Magnetic disc<	16.1	Connector 5/16" x 1/8"	A.720501-000213
16.4 Copper Tube 5/16' (H.P) A 720502-000025 16.5 Copper Tube 5/16' (L.P) A 720502-000025 16.6 L-Connector 5/16' x 1/4' A 720501-000202 16.7 Manometer valve 1/4' 74480-061120 16.9 Bolt M5 x 16 (x 2) A 760101-000531 16.12 Cable Connector - PG-7 A 720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A 700101-000982 19 Flushing chamber A 700190-002424 20 Bolt M10 x 30 (x2) A 760101-000459 20.1 St. St. washer M10 (x 2) A 760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A 760101-000330 25 Bolt M16 x 70 (x 8) A 760101-000330 26 Bolt M8 x 40 (x4) A 760101-000308 26.3 Spring washer M8 (x4) A 760101-000308 27 Magnetic disc 74480-060950	16.2	Connector 5/16" x 1/8"	A.720501-000213
16.5 Copper Tube 5/16* (LP) A.720502-000025 16.6 L-Connector 5/16* x 1/4* A.720501-000202 16.7 Manometer valve 1/4* 74480-061120 16.9 Bolt M5 x 16 (x 2) A.760101-000531 16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 2.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A.710105-001270 25 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760101-000308 26.3 Spring washer M8 (x4) A.760103-000142 27 Magnetic disc 74480-060950 28 Magnetic disc 74480-060951	16.3	L-Connector 5/16" x 1/4"	A.720501-000202
16.6 L-Connector 5/16' x 1/4' A 720501-000202 16.7 Manometer valve 1/4' 74480-061120 16.9 Bolt M5 x 16 (x 2) A 760101-000531 16.12 Cable Connector - PG-7 A 720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A 700101-000982 19 Flushing chamber A 700190-002424 20 Bolt M10 x 30 (x2) A 760101-000459 20.1 St. St. washer M10 (x 2) A 760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A 710105-001270 25 Bolt M16 x 70 (x 8) A 760101-000330 26 Bolt M8 x 40 (x4) A 760101-000308 26.3 Spring washer M8 (x4) A 760103-000142 27 Magnetic disc Locking Ring 74480-060950 28 Magnetic disc 74480-060951	16.4	Copper Tube 5/16" (H.P.)	A.720502-000025
16.7 Manometer valve 1/4* 74480-061120 16.9 Bolt M5 x 16 (x 2) A.760101-000531 16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A.710105-001270 25 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760101-000308 26.3 Spring washer M8 (x4) A.760103-000142 27 Magnetic disc Locking Ring 74480-060950 28 Magnetic disc 74480-060951	16.5	Copper Tube 5/16" (L.P.)	A.720502-000025
16.9 Bolt M5 x 16 (x 2) A.760101-000531 16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A.710105-001270 25 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760101-000308 26.3 Spring washer M8 (x4) A.760103-000142 27 Magnetic disc Locking Ring 74480-060950 28 Magnetic disc 74480-060951	16.6	L-Connector 5/16" x 1/4"	A.720501-000202
16.12 Cable Connector - PG-7 A.720204-000035 17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700110-000982 19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A.710105-001270 25 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760101-000308 26.3 Spring washer M8 (x4) A.760103-000142 27 Magnetic disc Locking Ring 74480-060950 28 Magnetic disc 74480-060951	16.7	Manometer valve 1/4*	74480-061120
17 Drive shaft housing seal 74480-060965 18 Coarse screen A.700101-000982 19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A.710105-001270 25 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760103-000142 27 Magnetic disc Locking Ring 74480-060950 28 Magnetic disc 74480-060951	16.9	Bolt M5 x 16 (x 2)	A.760101-000531
18 Coarse screen A.700101-000982 19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A.710105-001270 25 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760103-000142 27 Magnetic disc Locking Ring 74480-060950 28 Magnetic disc 74480-060951	16.12	Cable Connector - PG-7	A.720204-000035
19 Flushing chamber A.700190-002424 20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A.710105-001270 25 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760101-000308 26.3 Spring washer M8 (x4) A.760103-000142 27 Magnetic disc Locking Ring 74480-060950 28 Magnetic disc 74480-060951	17	Drive shaft housing seal	74480-060965
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20 Bolt M10 x 30 (x2) A.760101-000459 20.1 St. St. washer M10 (x 2) A.760103-000097 22 Sealing flange O-ring 74480-018020 23 Sealing flange 74480-061135 24 Drive shaft housing A.710105-001270 25 Bolt M16 x 70 (x 8) A.760101-000330 26 Bolt M8 x 40 (x4) A.760103-000142 26.3 Spring washer M8 (x4) A.760103-000142 27 Magnetic disc Locking Ring 74480-060950 28 Magnetic disc 74480-060951			
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28 Magnetic disc 74480-060951			
29 St.St. Bolt M6 X 35 (X3) A.760101-000447		Magnetic disc St.St. Bolt M6 X 35 (X3)	74480-060951 A.760101-000447

Item	Amiad SAF-6000 filter parts schedule	Netafim art.nr.
29.3	St.St. Lock nut M6 (X3)	A.760102-000101
30	Drive bushing	74480-017292
31	Sealing rope set-scanner shaft	74480-061130
32	Sealing rope tightening nut	74480-061145
32.1	Sealing Nut Internal O-Ring	74480-061140
33	connecting pin	74480-061000
34	Split pin	74480-061050
35	Drive shaft	74480-017291
36	Drive shaft key	74480-017289
37	Drive unit (motor and gear)	74480-017295
38	3/4" Angle	A.780101-000789
39	3/4" Ball valve	A.730104-000220
40	3/4" Control filter 0.2 mm	74400-001090
40.1	Raccord connector nut 3/4"x1/4"	74480-060800
40.2	Raccord nipple 3/4" x 1/4"	74480-060700
40.3	Elbow 8 1/4" (PE)	76400-003500
41	Solenoid valve *	02244-600515
41.1	Elbow 8 1/8" (PE)	76400-003400
41.2	Elbow 8 1/4" (PE)	76400-003500
41.3	connector 1/4" x 1/4"	76400-006300
42	2" Exhaust valve *	71600-002300
42.1	connector 5/16" x 1/4"	A.720501-000206
42.2	Copper tube 5/16" (drain)	A.720502-000025
45	Drive shaft housing cover	A.710105-001229
47	6" Blind flange	A.740103-000141
47.1	6" Seal	74480-061160
48	Bolt M16 x 60 (x 8)	A.760101-000328
49	Magnetic limit switch (x 2)*	74480-060952
49.1	Mechanic limit switch (x 2) *	74480-040000
50	Limit switch sling	A.710103-002256
51	St.St. Bolt M6 X 15 (X 2)	A.760101-000443
51.3	St.St. Lock nut M6 (X2)	A.760102-000101
52	St.St. Bolt M3 X 10 (X 4)	A.760101-000437
52.2	St.St. Lock nut M3 (X4)	A.760102-000098
52.3	Limit Switch Seat (X2)	A.710103-002190
52.4	St.St. Bolt M6 X 15 (X 2)	A.760101-000443
52.6	St.St. Lock nut M6 (X2)	A.760102-000101
53	Bolt M6 x 60 (x 2)	A.760101-000450
53.3	Nut M6 (x 2)	A.760102-000085
53.5	Wing nut (x 2)	A.760102-000107
54	Drive Shaft Cover	74480-017294
54.1	Socket Set Screw M6X45(X4)	A.760101-000522
	Am-SAF-ond O-ring set SAF-6000	74480-061230



