

SERVICE

HDF2008/10-1S

Thank you for choosing a Hydrotech filter.

It is a trustworthy machine that will run for a long time with minimum care and service. Indeed, any mechanical equipment requires annual maintenance in order to operate efficiently and with as little down time as possible. This is also the case with your Hydrotech Drumfilter HDF2000-1S.

On the next pages, you will find recommendations for maintenance, parts to change and drawings.

If you don't have the possibility to do the maintenance yourself, Hydrotech will be pleased to send you a service offer or recommend a reliable technician that can assist you.

Apart from the periodic maintenance mentioned in the **Operation & Maintenance manual** we recommend a large service every fifth year where at least all parts in the **5 year service kit** are replaced.

To order spare parts or a service from Hydrotech and also to get the latest updated prices, please contact Hydrotech at services@hydrotech.se.



Veolia Water Technologies AB

Hydrotech



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SERVICE

HDF2008/10-1S

5 year service kit

Art. N°	N° on drawing	Description	Qty
1012961	20023-B pos.3	Spacer Ø160/111x15 mm	1
1012955	20023-B pos.4	Slide bearing CC100/130/150	1
1012962	20023-B pos.6	Spacer Ø160/111x5 mm	1
1012963	20023-B pos.7	Spacer Ø160/111x4 mm	1
1013277	20023-B pos.8	Locking shaft HDF2008-10	1
1017074	20023-B pos.11	Key steel 25x14x60 mm	1
1014164	5334-B pos.2	Rubber lip seal HDF2008~10	1
425730	2479-F pos.5	Spacer 90/50x5 mm	6
1010385	2479-F pos.6	Spacer boogie wheel 100	8
425510	2479-F pos.8	Slide bearing Ø50	4
1010386	2479-F pos.10	Boogie wheel, type 16 PA6 G	4
352310	2479-F pos.11	Grease nipple, M8x1mm	4
1010384	2479-F pos.18	V-sealing, NBR V-45A	8
1010608	2479-F pos.19	Boogie shaft , wheel Ø35x96	4
1008130	2479-F pos.22	O-sealing 36,17x2,62	8
1012043	5220-C pos.7	Sprocket wheel motor	1
1024805	5220-C pos.8	Plastic chain HT78 45link	1
1010967	On backwash pipe	Manometer 0-16 bar 1/4" SI	1

Strategic spare parts:

Art. N°	N° on drawing	Description	Qty
		Nozzles	5/revolution
		Panels	5/revolution
278040		Cartridge for strainer	1
1019015 & 1012956	20023-B pos.1&5	Shaft and bearing house	1
1012044	5220-C pos.12	Sprocket wheel drum	1

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Critical spare parts:

Art. N°	N° on drawing	Description	Qty
		Drive unit	1
		Backwash pump	1

Definitions:

5 year service kit:

Parts to be changed after 5 years of operation

Strategic spare parts:

Parts with short lead time (always on Hydrotech stock) which are vital for the operation of the unit.

Critical spare parts:

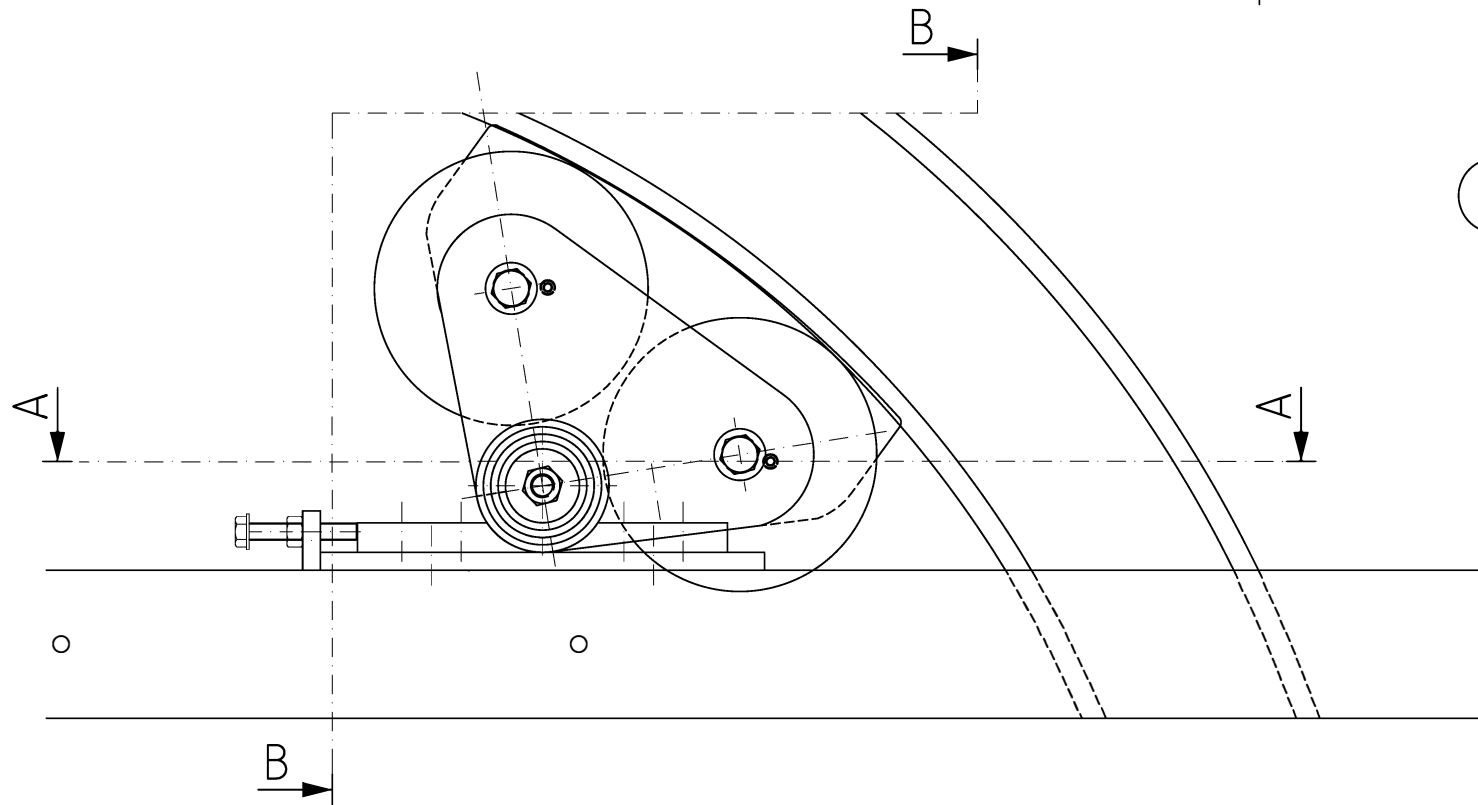
Parts with long lead time which are vital for the operation of the unit, contact Hydrotech for precise delivery time.

Veolia Water Technologies AB

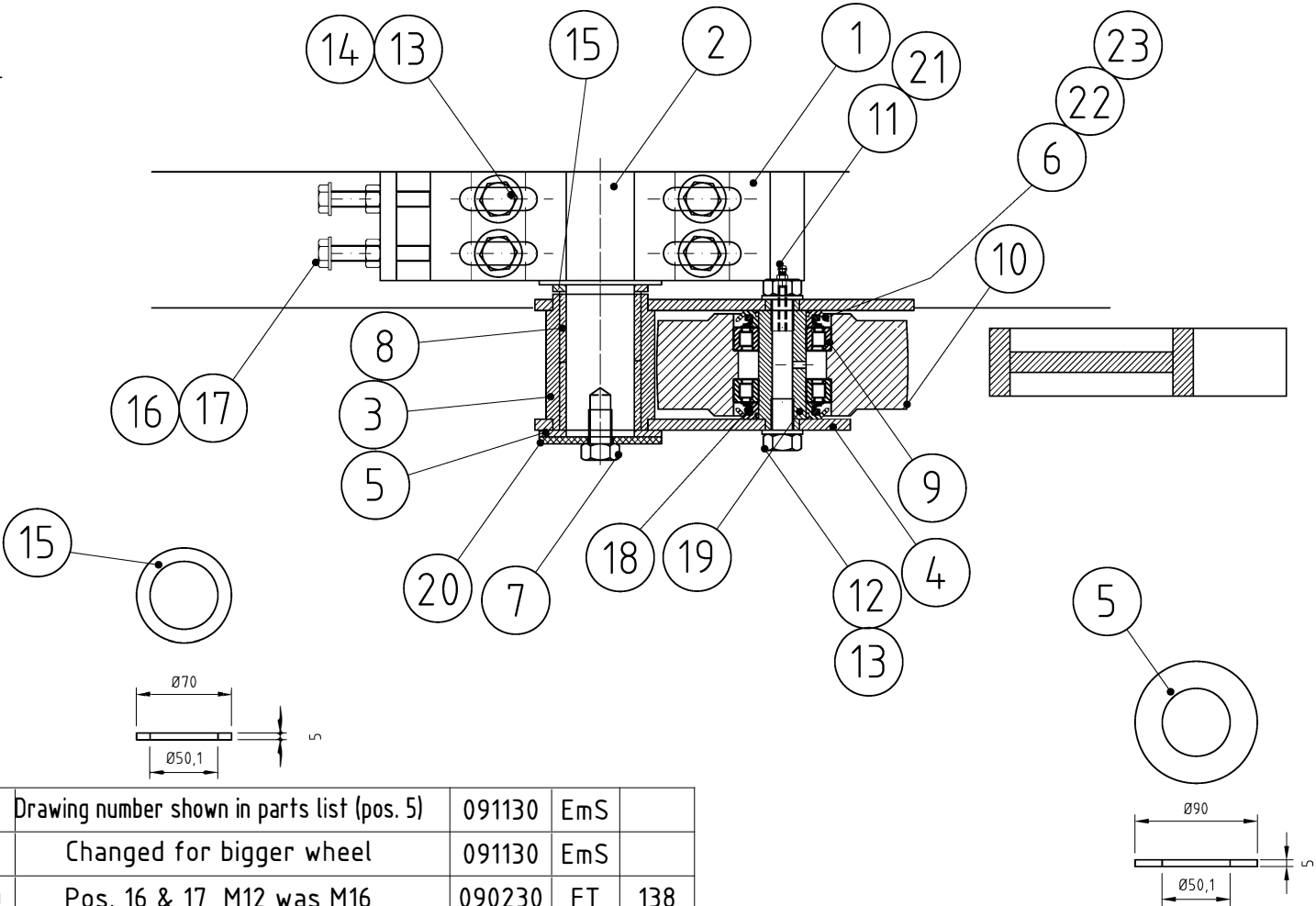
Hydrotech



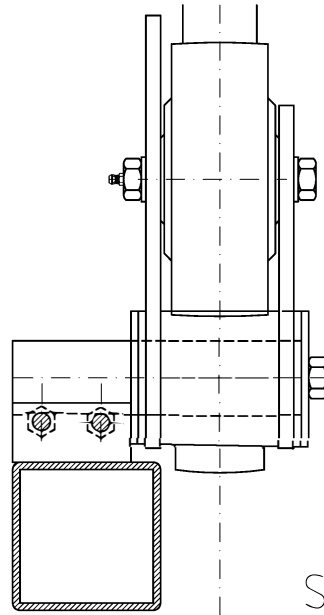
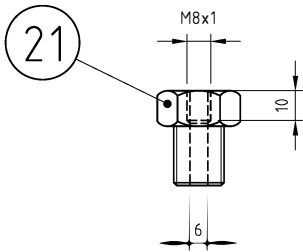
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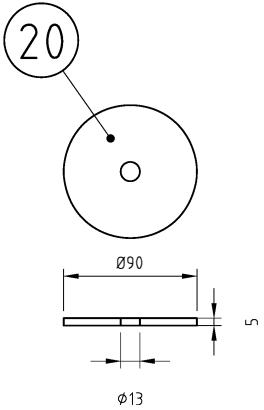
SECTION A-A



F	Drawing number shown in parts list (pos. 5)	091130	EmS	
E	Changed for bigger wheel	091130	EmS	
D	Pos. 16 & 17 M12 was M16	090230	FT	138
C	Pos. 5 & 20 was Ø 70	050815	EmS	138
B	Changed for wheel Ø160	020524	EmS	
Ed.	Change and/or message no.	Date	Made by	c-m no.



SECTION B-B



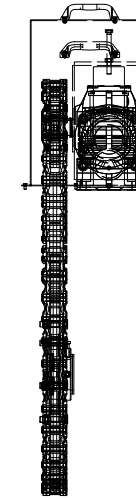
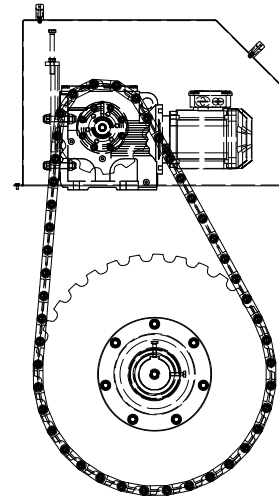
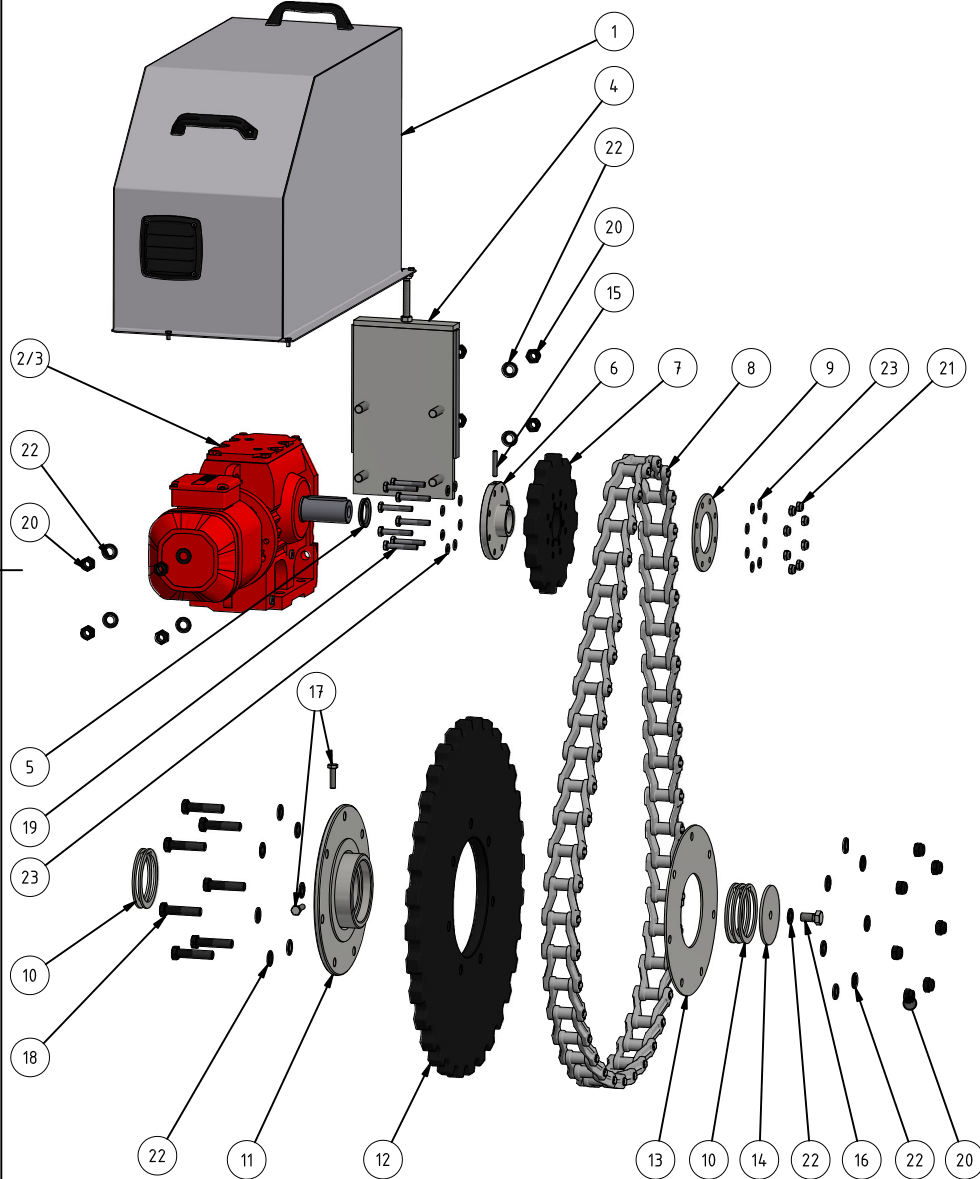
23	4	Seal cage	AISI 316L	Ø72x7.5	Dwg. No. 3324
22	4	O-Ring	Nitril	36.17x2.62	
21	2	Bolt	SS2343	M16x20	With M8x1 hole for nipple
20	1	Washer	SS2343	Ø90/13-5	
19	2	Shaft	316 L	Ø35	Dwg. No. 3325
18	4	V-ring seal	Nitril	V-45A	Forsheda
17	2	Nut	SS2343	M12	
16	2	Bolt		M12x70	
15	1	Thrust washer	plastic	Ø70/50-5	
14	4	Bolt	SS2343	M16x40	
13	8	Washer	SS2343	M16	
12	2	Bolt	SS2343	M16x25	
11	2	Lubricant nipple	SS2333		
10	2	Wheel	PA6 G	Ø185	Dwg. No. 3320
9	4	Roller bearing	NJ 207 ECP		
8	2	Bushing	WOLF	GT605050	Colly company
7	1	Bolt	SS2333	M12x30	
6	4	Spacer			Dwg. No. 3323
5	1	Bushing	plastic	Ø90/50-5	Dwg.no. 2126
4	1	Support plate			Dwg. No. 2480
3	1	Bearinghouse			Dwg. no. 2480
2	1	Mainshaft			Dwg. no. 2481
1	1	Boltplate			Dwg. no. 2445

F

Part no.	Quantity	Name	Material	Mod.-nr Blank Dimension	Remark
Designer	Drawn by	Copy	Controlled by	Stand.	Approved
	AM			ISO 2768-m	
Scale					1:5 (2:1)
Replaces					Replaced by
Date					020107
Draw. no.					2479 Edition F

HYDROTECH

Ass'y Boogie
HDF 2008-10
Discfilter HSF 3100



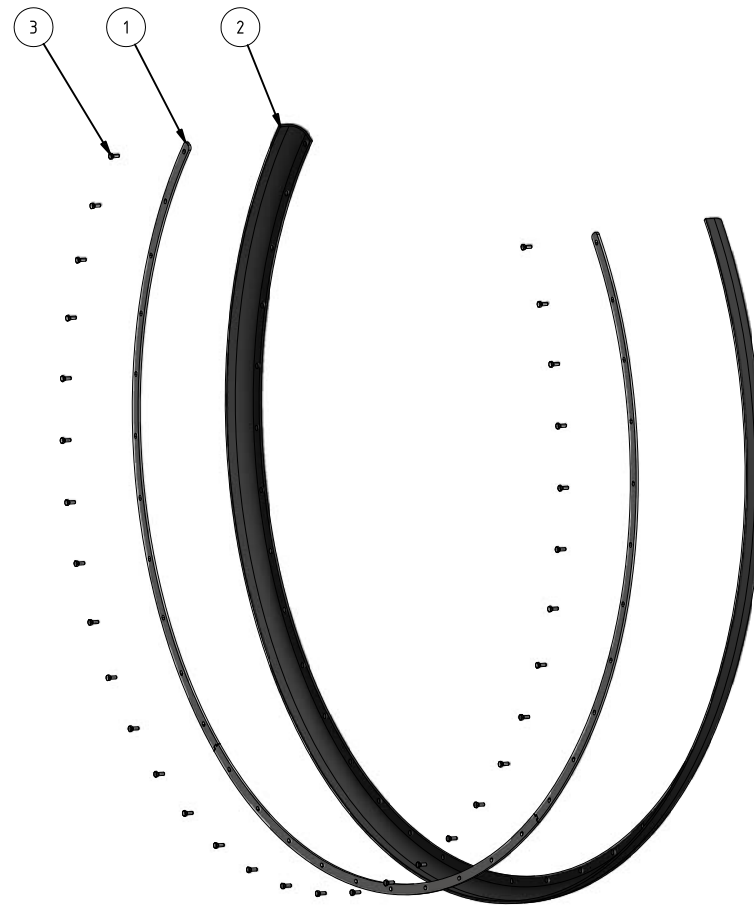
NOTE! S77DR****4, M1A is used on mirrored filters.

23	16	Washer	A4	10,5x20x2	Art. no. 350550
22	23	Washer	A4	17x30x3,0	Art. no. 350570
21	8	Nut locking	A4	M6NM M10	Art. no. 350330
20	15	Nut locking	A4	M6NM M16	Art. no. 350350
19	8	Screw	A4	M6S M10x60D	Art. no. 1001821
18	7	Screw	A4	M6S M16x70D	Art. no. 1001993
17	2	Screw	A4	M6S M10x40H	Art. no. 350980
16	1	Screw	A4	M6S M16x30H	Art. no. 351630
15	1	Screw	A4	MSK6SS M8x50	Art. no. 352150
14	1	Lock spacer			Drw. no. 5311
13	1	Counter flange for hub			Drw. no. 5304
12	1	Plastic sprocket, Z=32			Drw. no. 3750
11	1	Hub for chain wheel			Drw. no. 4067
10	5	Spacer			Drw. no. 5310
9	1	Hub flange			Drw. no. 22638
8	1	HT78 Chain L = 45 Links			Drw. no. 20977
7	1	Drive Sprocket for NH78, Z = 12			Drw. no. 3722
6	1	Hub Ø45			Drw. no. 22335
5	1	V-ring seal	Nitril	V-45A	Art. no. 1010384
4	1	Motor bracket			Drw. no. 4071
3		Helical-worm geared motor		IE3	S77DRN90S4 M1B
2		Helical-worm geared motor		IE2	S77DRE90M4 M1B
1	1	Motor cover			Drw. no. 5219

Pos no	Qty	Name	Material	Dimension	Remark
Designer	Drawn by	Projection method	Controlled by	Stand.	Approved
JJ	JJ			ISO 2768-m	
Drive assembly			Sheet	Date	
HDF2008-10			1 / 1	2015-09-16	
Drumfilter HDF2000-1S HF			Draw. no.	Edition	
			5220	C	

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Ed.	Change and/or message no.	Rev date	Made by	c-m no.
B	Pos 1 Drw. no. 20289 was 4458	2016-12-20	FT	-



3	32	Screw	A4	M6S M6x16H	Art. no. 350780	
2	1	Rubber lip for inlet			Drw. no. 2412	
1	1	Clamp Bar	AlSi16L/2205		Drw. no. 20289	
Pos no	Qty	Name	Material	Dimension	Remark	
Designer EmS	Drawn by FT	Projection method 	Controlled by ISO 2768-m	Approved	Scale 1 : 10	
		Inlet seal assembly			Sheet size A3	Replaced by
					Sheet 1 / 1	Date 2013-07-04
		HDF2008-10 type 1,2,3S			Draw. no. 5334	Edition B

General conditions and use for this drawing is in accordance to ORGALIME S2000

HYDROTECH

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To be done on every visit

☐

Check backwash pressure

Remarks:

☐

Check panels for damage

Remarks:

☐

Visually inspect the inside of the unit

Remarks:

☐

Check the nozzles for clogging

Remarks:

☐

Lubricate all grease points of the unit

Remarks:

☐

Check drive chain tension

Remarks:

☐

Visually inspect the outside of the unit, clean if needed

Remarks:

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To be done on yearly visit

☐

Check oil condition in drive unit according to separate manual

Remarks:

☐

Check drum bearings for ware

Remarks:

☐

Check shaft gaskets for ware

Remarks:

☐

Check inlet gasket for ware

Remarks:

☐

Check support wheels for ware

Remarks:

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To be done every five years

Replace the parts from service kit

OK

☐	Spacer Ø160/111x15 mm
☐	Slide bearing CC100/130/150
☐	Spacer Ø160/111x5 mm
☐	Spacer Ø160/111x4 mm
☐	Locking shaft HDF2008-10
☐	Key steel 25x14x60 mm
☐	Rubber lip seal HDF2008~10
☐	Spacer 90/50x5 mm
☐	Slide bearing Ø50
☐	Boogie wheel, type 16 PA6 G
☐	Grease nipple, M8x1mm
☐	V-sealing, NBR V-45A
☐	O-sealing 36,17x2,62
☐	Sprocket wheel motor
☐	Sprocket wheel drum
☐	Manometer 0-16 bar 1/4" SI
☐	Spacer boogie wheel 100
☐	Boogie shaft , wheel Ø35x96

Check and if needed replace strategic and critical parts

OK

☐	Nozzles	Qty: _____
☐	Panels	Qty: _____
☐	Shaft and bearing house	
☐	Chain	
☐	Drive unit	
☐	Backwash pump	

Remarks: _____

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