

SERVICE

HDF2008V/10V-1AS-2S

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 HDF2008V-10V-1AS or -2S.

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



Mejselgatan 6, 235 32 Vellinge, Sweden
Phone +46 40 42 95 30, Fax. +46 40 42 95 31
mailbox@hydrotech.se
www.hydrotech.se

SERVICE

HDF2008V/10V-1AS-2S

5 year service kit

Art. N°	N° on drawing	Description	Qty / Drumfilter
21799.PE1000	21806-A pos.3	Axial bearing, PEHD1000	1
21801.PE1000	21806-A pos.4	Axial bearing, PEHD1000	1
21796.WOLF	21806-A pos.6	Slide bearing, Wolf ZX 100	1
21797.T60	21806-A pos.7	Rubber lip seal, Trellex 60	1
1012043	21800-B pos.9	Drive sprocket, motor	1
1026481	21800-B pos.11	Chain HT78 55 links, Plastic	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
1010967	21845-C pos.4	Manometer 0-16 bar 1/4" SI	1

Strategic spare parts:

Art. N°	N° on drawing	Description	Qty / Drumfilter
		Nozzles	5/revolution
		Panels	5/revolution
278040		Cartridge for strainer	1
21802.316, 21792.316	21806-A pos.1 & 5	Shaft and bearing house	1
1026566	22555-A & 22556-A pos.1	Auto greaser	5
1012044	21800-B pos.10	Sprocket wheel drum	1

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Critical spare parts:

Art. N°	N° on drawing	Description	Qty / Drumfilter
		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:

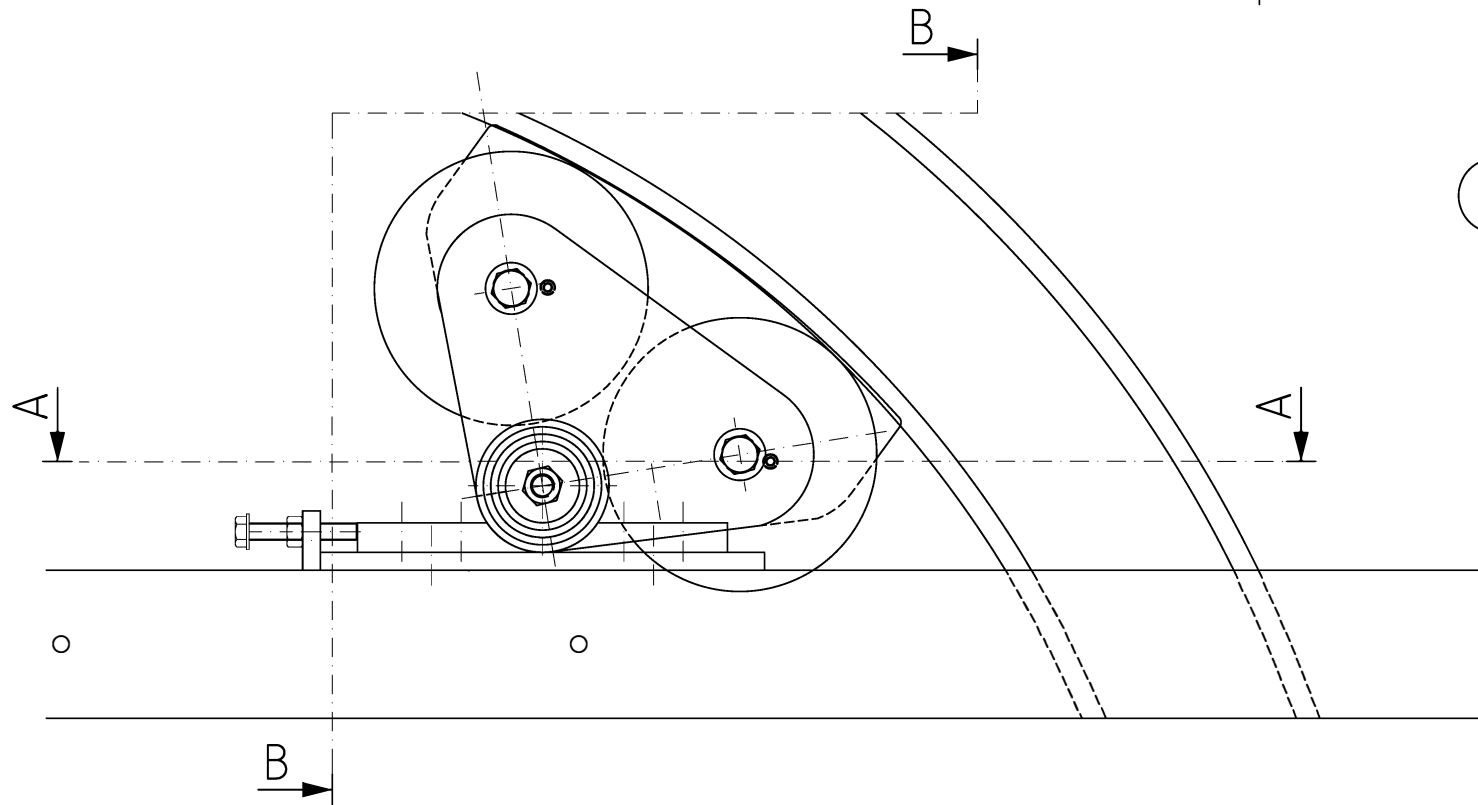
Parts with long lead time which are vital for the operation of the unit, contact Hydrotech for precise delivery time.

Veolia Water Technologies AB

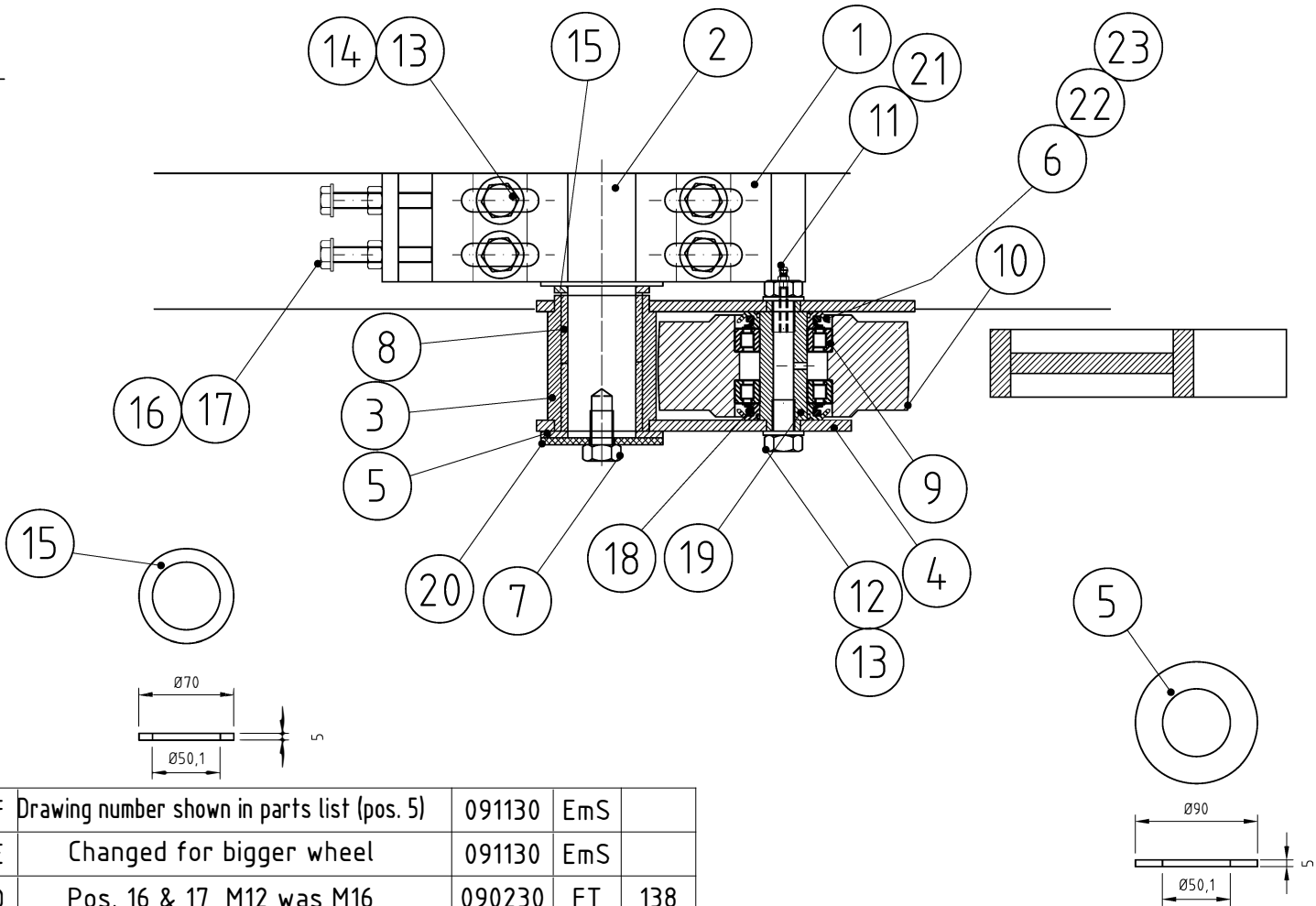
Hydrotech



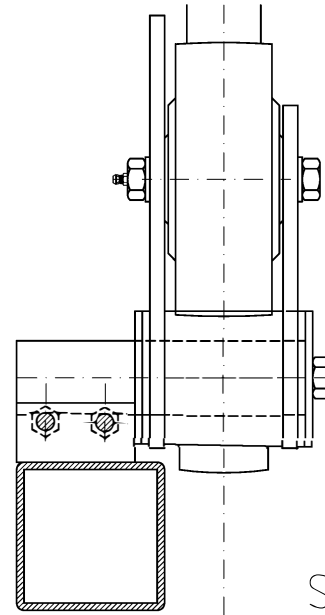
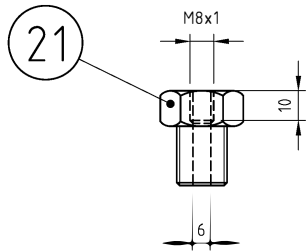
Mejselgatan 6, 235 32 Vellinge, Sweden
Phone +46 40 42 95 30, Fax. +46 40 42 95 31
mailbox@hydrotech.se
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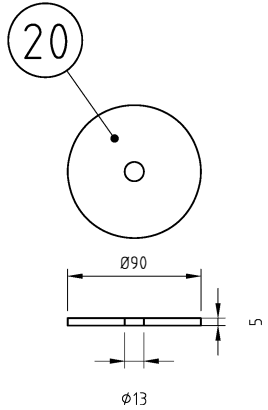
SECTION A-A



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 ϕ 70	050815	EmS	138
B	Changed for wheel ϕ 160	020524	EmS	
Ed.	Change and/or message no.	Date	Made by	c-m no.



SECTION B-B



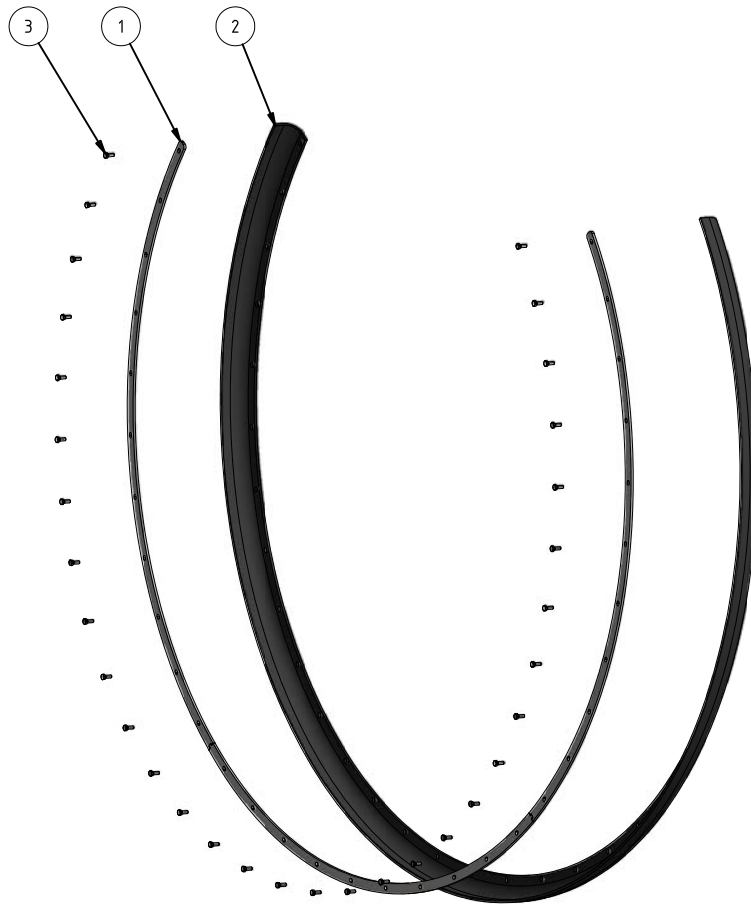
23	4	Seal cage	AISI 316L	ϕ 72x7.5	Dwg. No. 3324
22	4	O-Ring	Nitril	36.17x2.62	
21	2	Bolt	SS2343	M16x20	With M8x1 hole for nipple
20	1	Washer	SS2343	ϕ 90/13-5	
19	2	Shaft	316 L	ϕ 35	Dwg. No. 3325
18	4	V-ring seal	Nitril	V-45A	Forsheda
17	2	Nut	SS2343	M12	
16	2	Bolt		M12x70	
15	1	Thrust washer	plastic	ϕ 70/50-5	
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	ϕ 185	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	ϕ 90/50-5	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

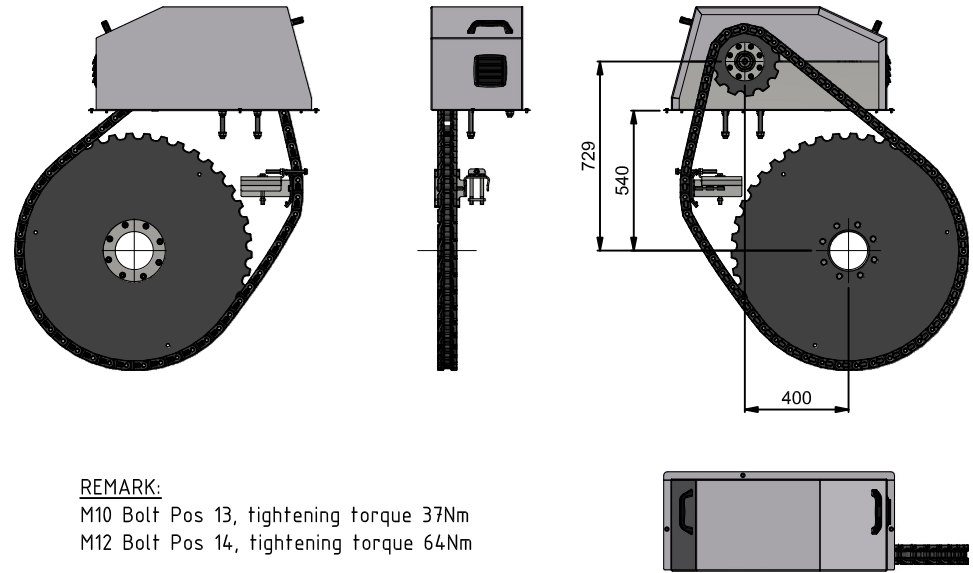
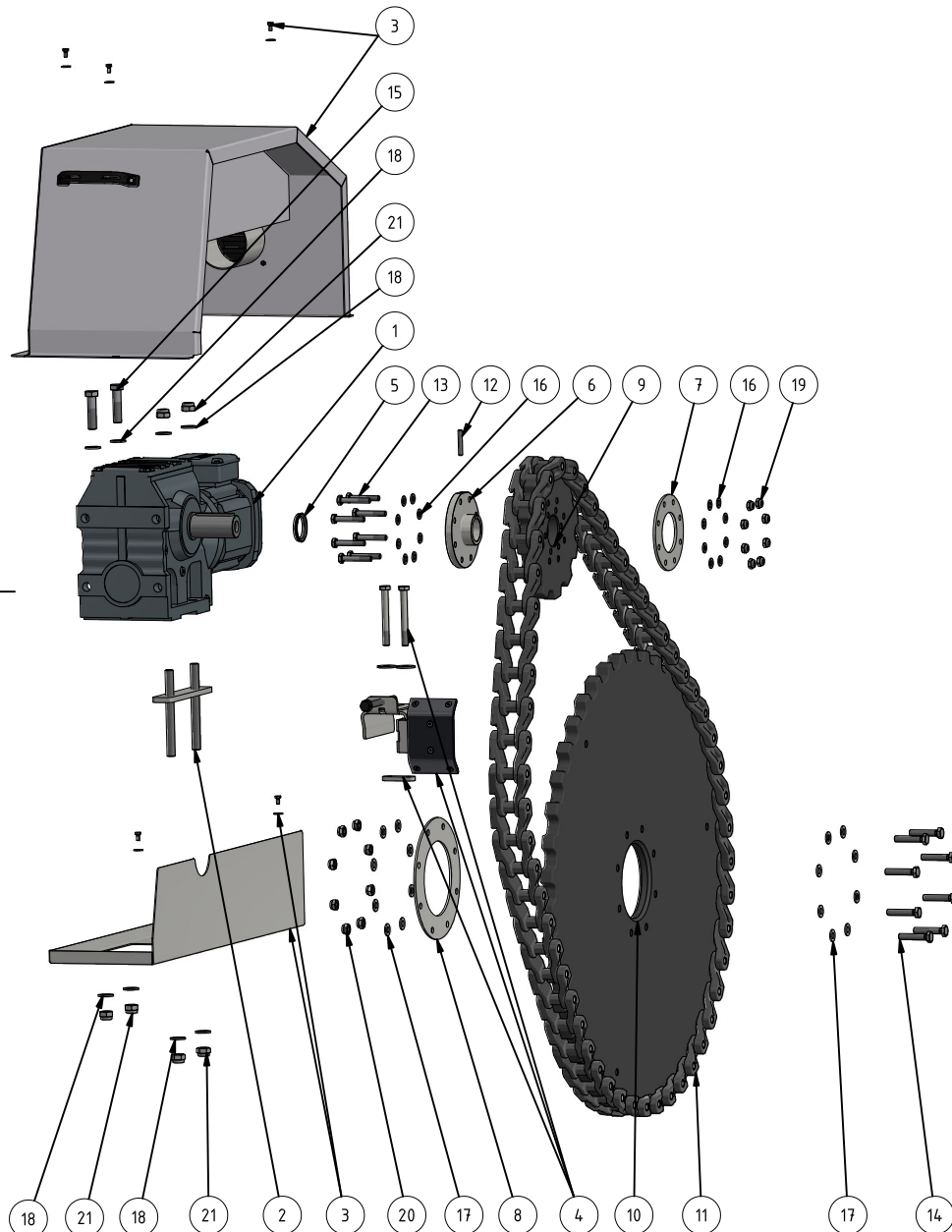
Ass'y Boogie
HDF 2008-10
Discfilter HSF 3100



3	32	Screw	A4	M6S M6x16H	Art. no. 350780		
2	1	Rubber lip for inlet			Drw. no. 2412		
1	1	Clamp Bar	AISI316L/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	Sheet size A3	Replaced by
			Inlet seal assembly			Sheet	Date
						1 / 1	
			HDF2008-10 type 1,2,3S			Draw. no.	Edition
			5334		B		

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	-

Exploded view
(Scale 1:10)



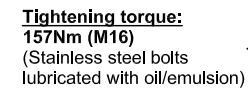
REMARK:

M10 Bolt Pos 13, tightening torque 37Nm

M12 Bolt Pos 14, tightening torque 64Nm

(Stainless steel bolts lubricated
with oil/emulsion)

Pos no	Qty	Name	Material	Dimension	Remark
21	6	Nut locking	A4	M6NM M16	Art. no. 350350
20	8	Nut locking	A4	M6NM M12	Art. no. 350340
19	8	Nut locking	A4	M6NM M10	Art. no. 350330
18	8	Washer	A4	17x30x3,0	Art. no. 350570
17	16	Washer	A4	13x24x2,5	Art. no. 350560
16	16	Washer	A4	10,5x20x2	Art. no. 350550
15	2	Screw	A4	M6S M16x65D	Art. no. 1017683
14	8	Screw	A4	M6S M12x60H	Art. no. 351051
13	8	Screw	A4	M6S M10x60D	Art. no. 1001821
12	1	Screw	A4	MSK6SS M8x50	Art. no. 352150
11	1	HT78 Chain L=55 Links			Drw. no. 20977
10	1	Drive Sprocket	Z = 42		Drw. no. 21808
9	1	Drive Sprocket	Z = 12		Drw. no. 3722
8	1	Flange			Drw. no. 21795
7	1	Hub flange			Drw. no. 22638
6	1	Hub Ø45			Drw. no. 22335
5	1	V-ring seal			Art. no. 1010384
4	1	Chain tensioner assembly			Drw. no. 22444
3	1	Motor cover assembly			Drw. no. 21850
2	1	Attachment bracket for motor			Drw. no. 22044
1	1	S77DRN90S4 M1A (S77DRN90S4 M1B, mirrored units)			Art. no. 1025524 (Art. no. 1026548)
Pos no	Qty	Name	Material	Dimension	Remark
Designer	Drawn by	Projection method	Controlled by	Stand.	Approved
FT	FT			ISO 2768-m	
HYDROTECH			Drive assembly		Sheet size
HDF2005-10V			Scale		Replaced by
			1:20		
			Sheet		Date
			1 / 1		2020-06-11
			Draw. no.		Edition
			21800		B

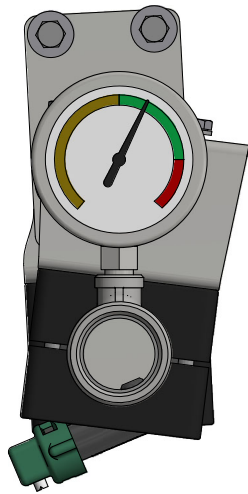


16	4	Nut locking	A4	M6NM M16	Art. no. 350350
15	4	Screw	A4	M6S M16x120D	Art. no. 1008650
14	16	Screw	A4	M6S M12x50H	Art. no. 351050
13	2	Screw	A4	M6S M8x20H	Art. no. 350870
12	6	Screw	A4	MK6S M6x16H	Art. no. 1005612
11	8	Washer	A4	17x30x3,0	Art. no. 350570
10	16	Washer	A4	13x24x2,5	Art. no. 350560
9	2	Washer	A4	8,4x24x2	Art. no. 350542
8	1	Retaining Ring			Drw. no. 21798
7	1	Seal for Effluent Bearing			Drw. no. 21797
6	1	Slide Bearing			Drw. no. 21796
5	1	Effluent bearing house			Drw. no. 21792
4	1*	Axial bearing			Drw. no. 21801
3	1*	Axial bearing			Drw. no. 21799
2	1	Counter flange for center shaft			Drw. no. 21807
1	1	Effluent center shaft			Drw. no. 21802
Pos. no.	Qty	Name	Material	Dimension	Remark

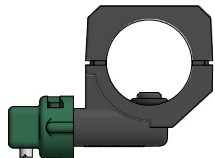
Designer FT	Drawn by FT	Projection method 	Controlled by	Stand. ISO 2768-m	Approved	Scale 1:5	Sheet size A3	Replaced by
 Center shaft/ Bearing unit HDF1600V, HDF2000V							Sheet 1 / 1	Date 2020-06-11
							Draw. no. 21806	Edition A

Inlet side

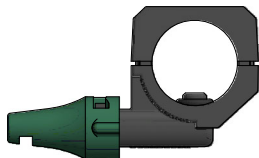
Orientation of nozzles,
seen from outlet side.



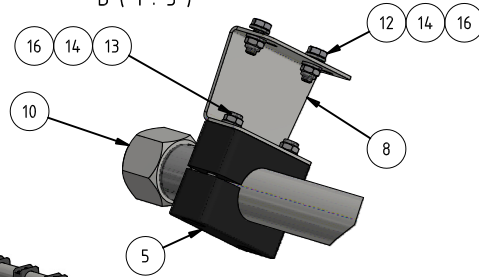
Standard HT Nozzle
Art. no. 1025600



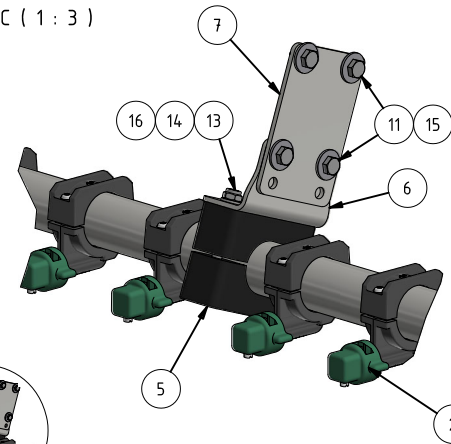
HT Self Cleaning Nozzle
Art. no. 1025062



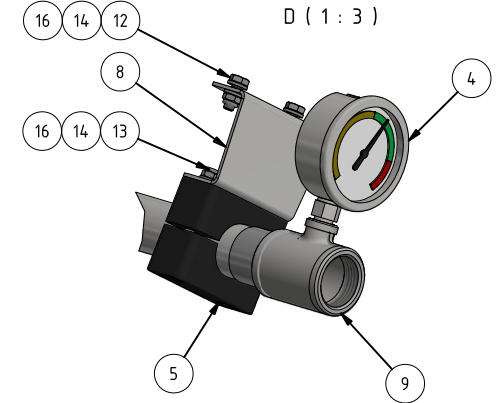
B (1 : 3)



C (1 : 3)



D (1 : 3)



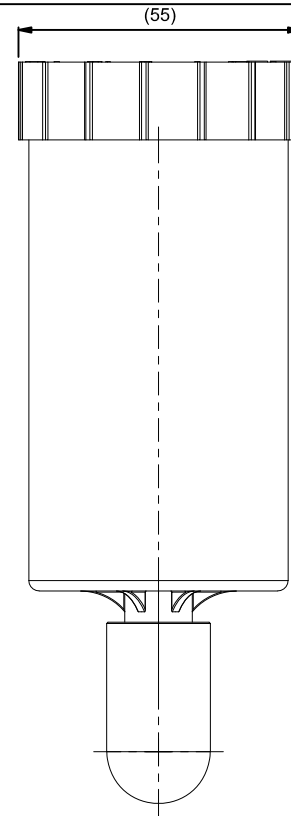
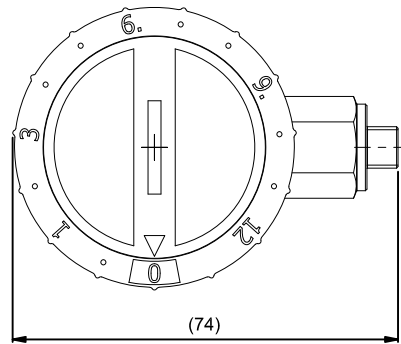
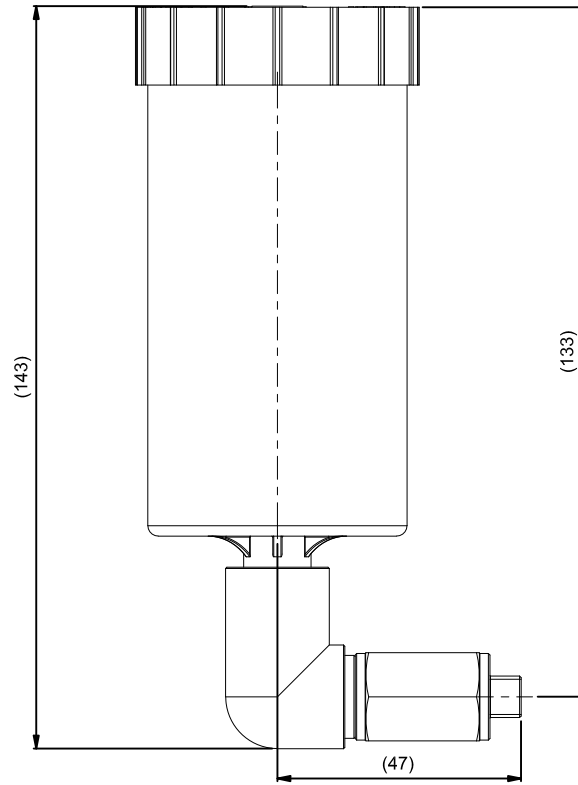
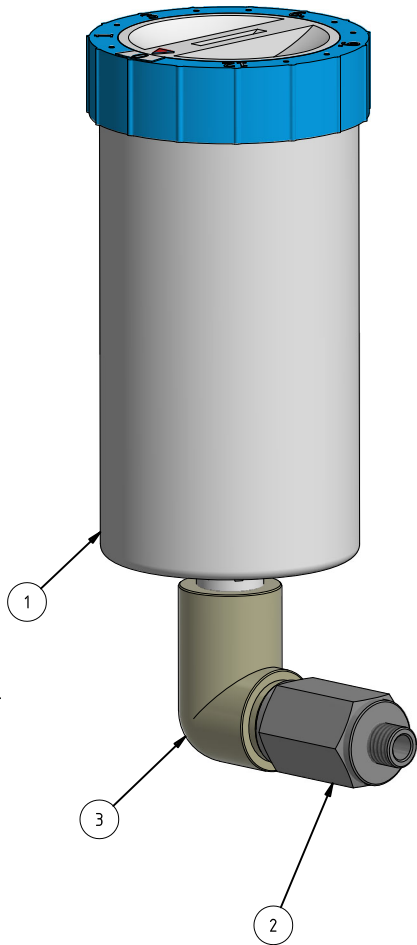
Outlet side

D

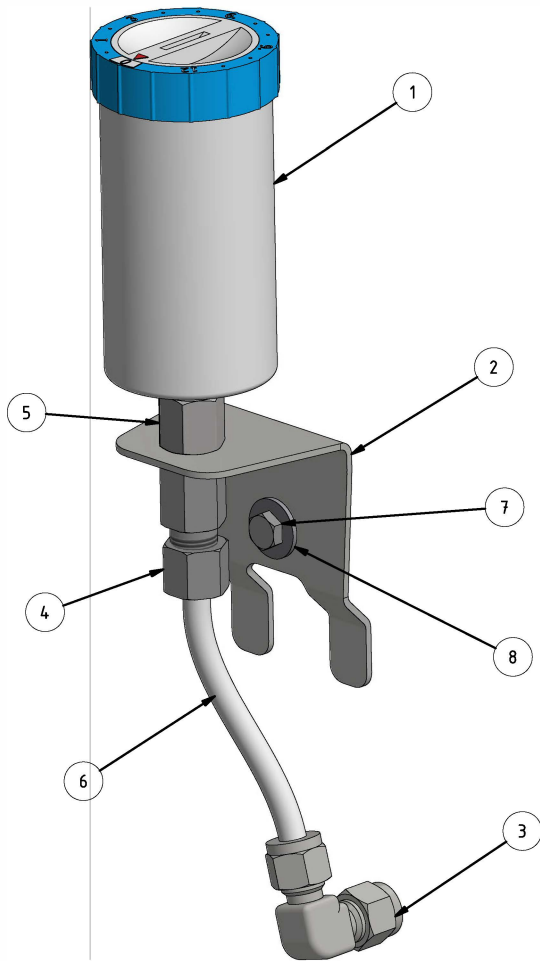
Filter model	A	B	C	D	E	F	G	H
HDF1603V - Standard HT nozzles	15	0	0	0	2	0	6	6
HDF1603V - HT Self cl. nozzles	0	15	0	0	2	0	6	6
HDF1604V - Standard HT nozzles	20	0	0	0	2	0	6	6
HDF1604V - HT Self cl. nozzles	0	20	0	0	2	0	6	6
HDF1605V - Standard HT nozzles	25	0	0	0	2	0	6	6
HDF1605V - HT Self cl. nozzles	0	25	0	0	2	0	6	6
HDF1606V - Standard HT nozzles	30	0	0	0	2	0	6	6
HDF1606V - HT Self cl. nozzles	0	30	0	0	2	0	6	6
HDF1607V - Standard HT nozzles	35	0	0	0	2	0	6	6
HDF1607V - HT Self cl. nozzles	0	35	0	0	2	0	6	6
HDF1608V - Standard HT nozzles	40	0	0	0	2	0	6	6
HDF1608V - HT Self cl. nozzles	0	40	0	0	2	0	6	6
HDF1609V - Standard HT nozzles	45	0	0	0	2	0	6	6
HDF1609V - HT Self cl. nozzles	0	45	0	0	2	0	6	6
HDF1610V - Standard HT nozzles	50	0	0	0	2	0	6	6
HDF1610V - HT Self cl. nozzles	0	50	0	0	2	0	6	6

Filter model	A	B	C	D	E	F	G	H
HDF2005V - Standard HT nozzles	25	0	1	2	4	4	14	10
HDF2005V - HT Self cl. nozzles	0	25	1	2	4	4	14	10
HDF2006V - Standard HT nozzles	30	0	1	2	4	4	14	10
HDF2006V - HT Self cl. nozzles	0	30	1	2	4	4	14	10
HDF2007V - Standard HT nozzles	35	0	1	2	4	4	14	10
HDF2007V - HT Self cl. nozzles	0	35	1	2	4	4	14	10
HDF2008V - Standard HT nozzles	40	0	0	0	2	0	6	6
HDF2008V - HT Self cl. nozzles	0	40	0	0	2	0	6	6
HDF2009V - Standard HT nozzles	45	0	0	0	2	0	6	6
HDF2009V - HT Self cl. nozzles	0	45	0	0	2	0	6	6
HDF2010V - Standard HT nozzles	50	0	0	0	2	0	6	6
HDF2010V - HT Self cl. nozzles	0	50	0	0	2	0	6	6

16	H	Nut locking	A4	M6NM M6	Art. no. 350310
15	E	Washer	A4	6,4x18x1,6	Art. no. 350532
14	G	Washer	A4	6,4x12x1,6	Art. no. 350530
13	6	Screw	A4	MC6S M6x60D	Art. no. 352060
12	F	Screw	A4	M6S M6x16H	Art. no. 350780
11	E	Screw	A4	M6S M6x12H	Art. no. 350770
10	1	Hexagon cap	AISI 316L	G1"	Art. no. 1014674
9	1	T-piece	AISI 316L	G1"x1/4" L=55	Art. no. 274230
8	D	Fastening sheet	AISI316L/2205	t = 2	Drw. no. 22664
7	C	Extension sheet			Drw. no. 22549
6	1	Support bracket for spray bar			Drw. no. 21875
5	3	Pipe clamp		Ø32	Art. no. 276010 (pair)
4	1	Manometer		R1/4"	Art. no. 1010967
3	B	Nozzle HT, 1" Self cleaning HDF (compl. unit)		Ø32/1"	Art. no. 1025062
2	A	Nozzle HT, 1" HDF (compl. unit)		Ø32/1"	Art. no. 1025600
1	1	Spray bar, welded			Drw. no. 21844
Pos no	Qty	Name	Material	Dimension	Remark
Designer	Drawn by	Projection method	Controlled by	Stand.	Approved
FT	FT			ISO 2768-m	
HYDROTECH			Spray bar, assembly		
HDF1600V & HDF2005-10V			Sheet	Date	
			1 / 1	2020-05-26	
			Draw. no.	Edition	
			21845	C	



3	1	Elbow 90°	PP	G½	Art. no. 1026583
2	1	Adapter		M8x1 / G1/4	Drw. no. 22554
1	1	Auto greaser		SKF LAGD125	Art. no. 1026566
Pos no	Qty	Name	Material	Dimension	Remark
Designer	Drawn by	Projection method	Controlled by	Stand.	Approved
FT	FT			ISO 2768-m	
HYDROTECH				Auto greaser (90°), assembly	Scale 1:1
				Sheet 1 / 1	Date 2020-07-08
				Draw. no. 22555	Edition A



8	1	Washer	A4	6,4x18x1,6	Art. no. 350532				
7	1	Screw	A4	M6S M6x20H	Art. no. 350790				
6	1	Flexible grease tube		Ø8x6, L=0,1m	Art. no. 1026620				
5	1	Hexagon Reducer		G¼"xR1/8"	Art. no. 1025346				
4	1	Nipple GAI 8 LR R1/8" SY		R1/8"	Art. no. 1017621				
3	1	Union elbow 90°		Ø8	Art. no. 1026619				
2	1	Bracket for auto greaser			Drw. no. 22648				
1	1	Auto greaser		SKF LAGD125	Art. no. 1026566				
Pos no	Qty	Name		Material	Dimension	Remark			
Designer FT	Drawn by FT	Projection method 	Controlled by	Stand. ISO 2768-m	Approved	Scale	Sheet size A3	Replaced by	
HYDROTECH			Auto greaser for center bearing, assembly HDF1600V, HDF2000V				Sheet	Date	
							1 / 1		2020-09-29
							Draw. no. 22556	Edition A	

SERVICE

HDF2008V/10V-1AS-2S

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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SERVICE

HDF2008V/10V-1AS-2S

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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SERVICE

HDF2008V/10V-1AS-2S

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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Mejselgatan 6, 235 32 Vellinge, Sweden
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mailbox@hydrotech.se
www.hydrotech.se