

SERVICE

HSF2612/30-1F-2F

Thank you for choosing a Hydrotech filter.

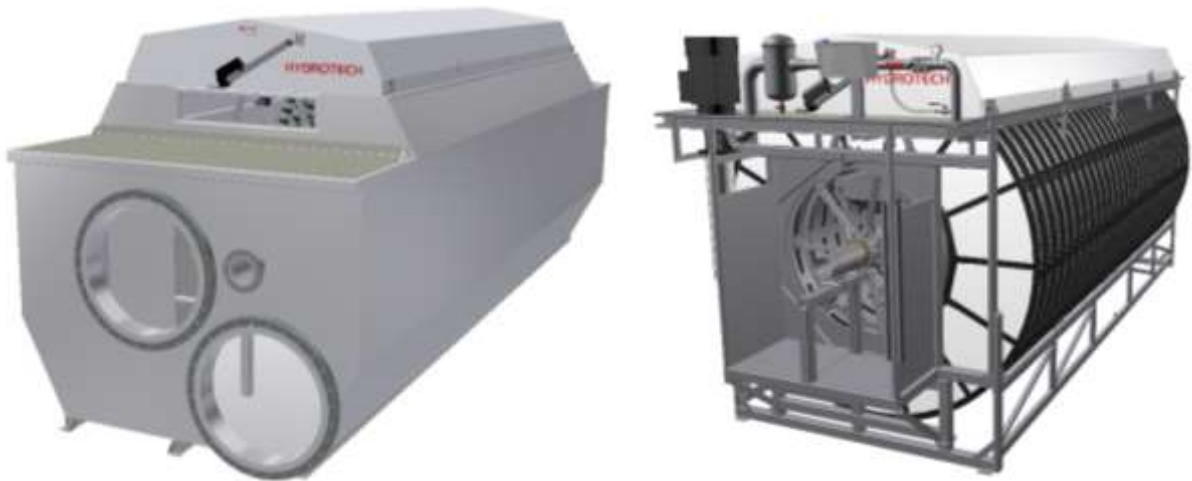
It is a reliable machine that will run for a long time with minimum care and service. Indeed, any mechanical equipment requires annual maintenance in order to operate efficiently and with as little down time as possible. This is also the case with your Hydrotech Discfilter HSF2612/30, 1F or 2F.

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, contact Hydrotech at services@hydrotech.se.



SERVICE

HSF2612/30-1F-2F

5 year service kit

Art. N°	N° on drawing	Description	Qty	Version
1008139	4295-D pos.3	Axial bearing	1	
1008030	4295-D pos.5	Slide bearing for drum	2	
1008493	4295-D pos.6	Rubber sealing shaft	1	
1010585	22425-A pos.7	V-sealing, V-180A	1	
1012535	22425-A pos.6	Seal for influent bearing	1	
1018432	4620-F pos.7	Backwash wheel shaft Ø50x65	1	
1018434	4620-F pos.8	Wheel for backwash pipe HSF2600 Z=13	1	
1010967	4375-I pos.13	Manometer 0-16 bar 1/4" SI	1	
1014114	5151-A pos.1	Rubber lip seal for inlet	1	
1012777	5151-A pos.4	Guiding blocks drum	2	
1019684	4116-J pos.6	Sprocket wheel motor Z=14	1	
1013194	3826-B pos.3	Strainer, O-sealing 180x4,0 NBR70	1	
1006903	3826-B pos.4	Strainer, cartridge 200 µm	1	
1014927	4620-F pos.2	Swivel	1	-1F only
1012730	4351-F pos.2	Swivel	1	-2F only

Strategic spare parts

Art. N°	N° on drawing	Description	Qty
1022212	4620-F pos.4 & pos.5	Backwash nozzles	14/disc
	4372-B pos.1+pos.10	Filter panel, with seal	28/disc
	4116-J pos.5	Drive chain	1
	4116-J pos.7	Sprocket wheel drum Z=42	1

Critical spare parts

Art. N°	N° on drawing	Description	Qty
	4375-E pos.28	Backwash pump	1
	4116-J pos.3	Drive gear/motor	1

Definitions:

5 year service kit:

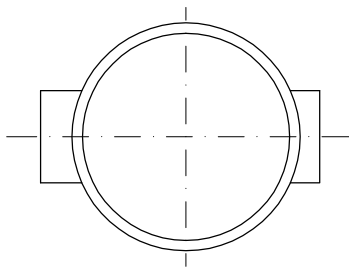
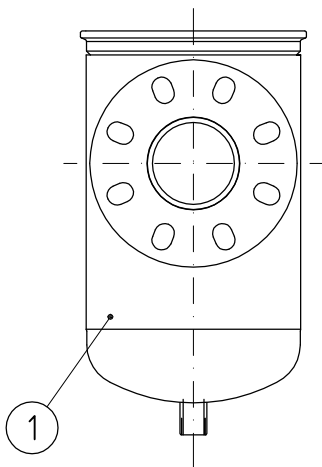
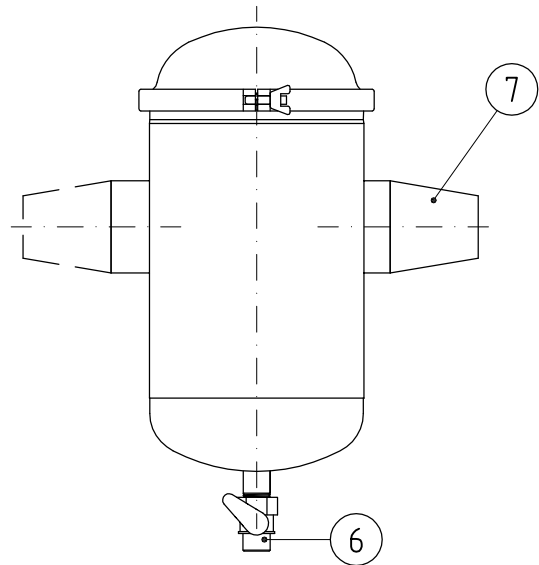
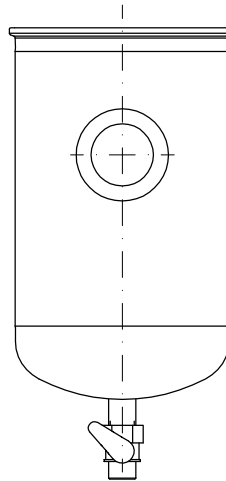
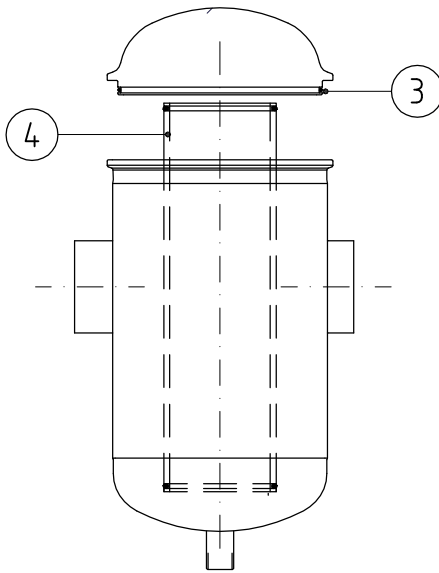
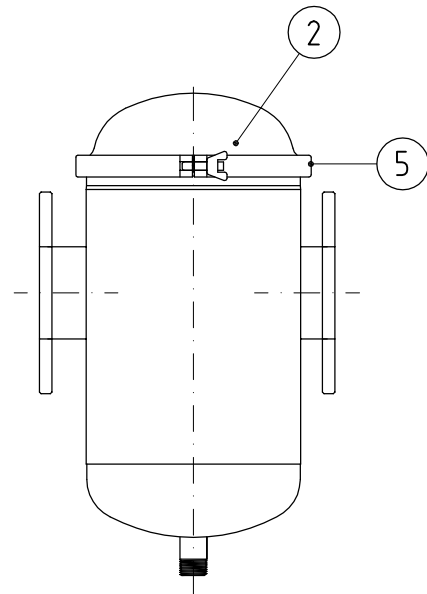
Parts to be changed after 5 years of operation

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.

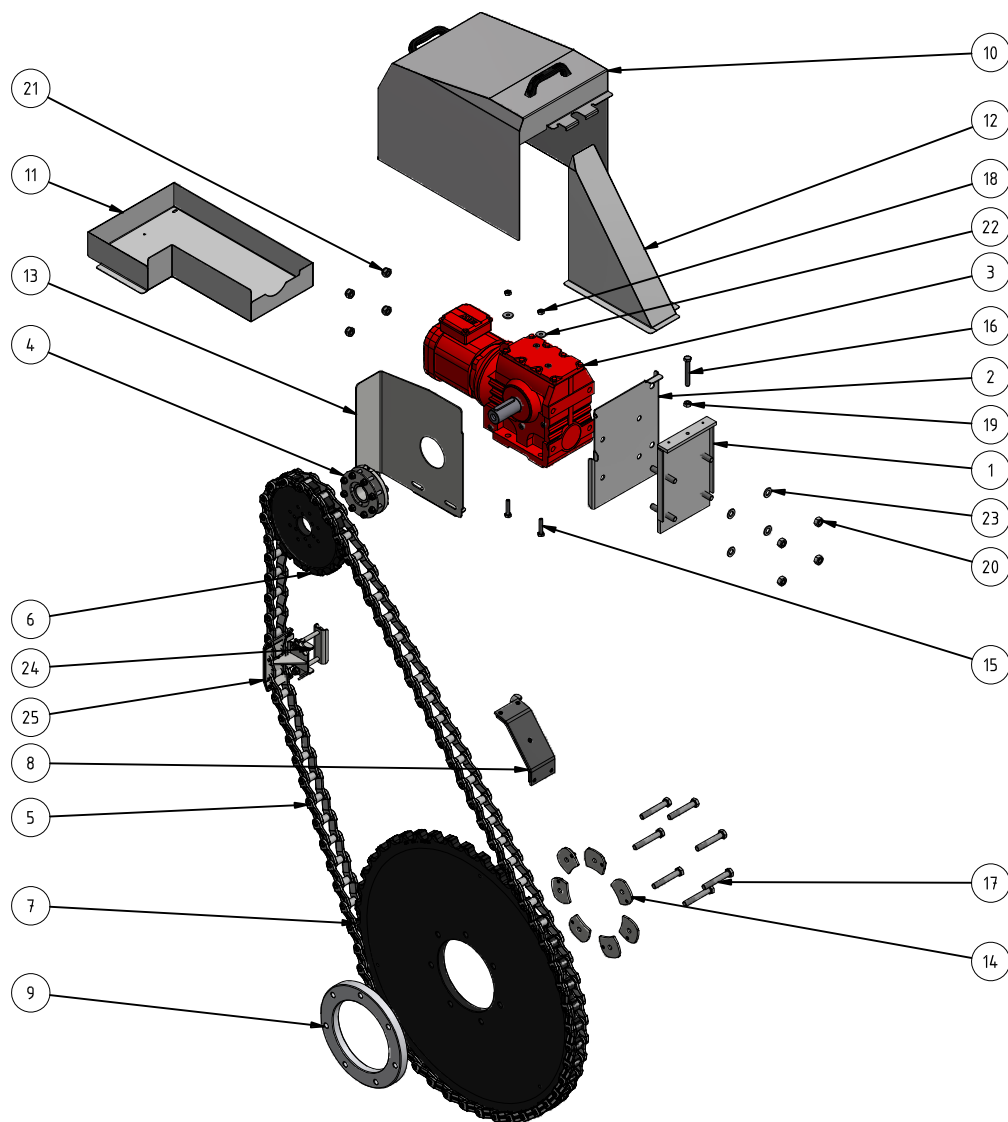


Flanged

For welding

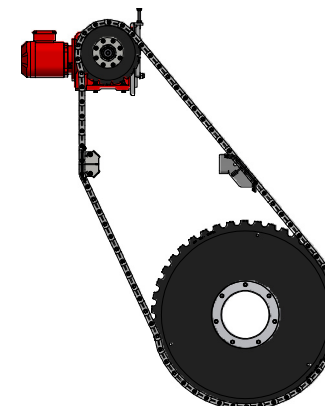
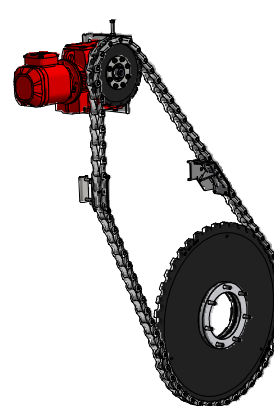
	7	1 Reducer		AISI 316L	88.9/60.3			
	6	1 Valve			3/4"	Art. No. 1011050		
	5	1 Clamp ring		AISI 316L	Ø200/217	Art. No. 1013204		
	4	1 Strainer cage		316 / PP	200 micron	Art. No. 1006903		
	3	1 O-ring		Nitrile	180x4,0	Art. No. 1013194		
	2	1 Top cap		AISI 316L		Draw. No. 3927		
	1	1 Filter house		AISI 316L		Draw. No. 3550		
Part no.	Quantity	Name		Material		Mod.-nr Blank Dimension	Remark	
Designer Per	Drawn by Per	Copy	Controlled by	Stand. ISO 2768-m	Approved	Scale 1:5	Replaces	Replaced by
HYDROTECH 3" Strainer Assembly drawing Can replace 3" Amiad								Date 071015
							Draw. no. 3826 Edition B	

Ed.	Change and/or message no.	Rev date	Made by	c-m no.
J	Effluent bearing assembly moved to 4377	2021-05-27	G0	



TYPE	A	B
1F	1	0
2F	0	1

S77DRE90M4 M1A is used
on mirrored filters



25	B	Chain guide 2F			Art. no. 1017654
24	A	Chain guide 1F			Art. no. 1017653
23	4	Washer	A4	17x30x3,0	Art. no. 350570
22	2	Washer	A4	10,5x30x2,5	Art. no. 350552
21	4	Nut locking	A4	M6NM M16	Art. no. 350350
20	4	Nut	A4	M6M M16	Art. no. 350150
19	1	Nut	A4	M6M M12	Art. no. 350140
18	2	Nut	A4	M6M M10	Art. no. 350130
17	7	Screw	Bumax 88 (A4)	M6S M16x100D	Art. no. 1014574
16	1	Screw	A4	M6S M12x90H	Art. no. 1015075
15	2	Screw	A4	M6S M10x50H	Art. no. 350990
14	7	Washer with locking device			Drw. no. 5735
13	1	Partition wall			Drw. no. 5292
12	1	Chain Guard			Drw. no. 4345
11	1	Motor Bottom			Drw. no. 4339
10	1	Motor Cover			Drw. no. 4338
9	1	Distance			Drw. no. 4369
8	1	Chain Wheel Support			Drw. no. 4335
7	1	Drive sprocket		Z = 42	Drw. no. 4200
6	1	Drive sprocket		Z = 14	Drw. no. 4271
5	1	Drive Chain		H78 Narrow	L = 72 links
4	1	Sprocket hub assembly			Drw. no. 22633
3	1	Helical-worm geared motor S77DRE90M4 M1B			Art. no. 1022047
2	1	Bracket			Drw. no. 4341
1	1	Adjustment plate for motor			Drw. no. 3714

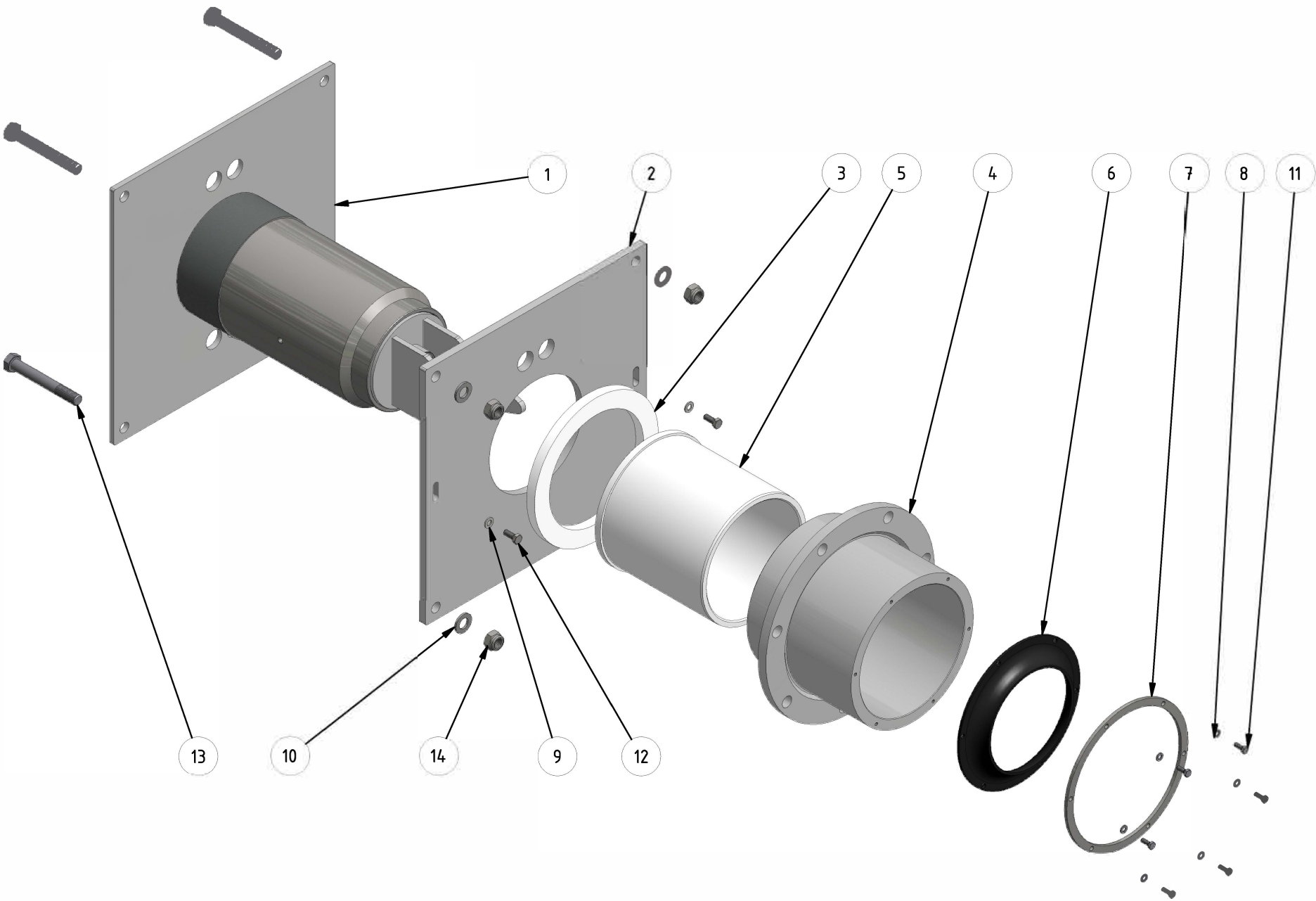
ITEM	QTY	DESCRIPTION			MATERIAL	Dimension	Remark	
Designer	Drawn by	Projection method	Controlled by	Stand.	Approved	Scale	Sheet size	Replaced by
	JJ			ISO 2768-m			A3	
HYDROTECH			Assembly drive HSF2600-1F/2F				Sheet	Date
							1 / 1	2010-09-13
							Draw. no.	Edition
							4116	J

With flush connection



Scale 1 : 5

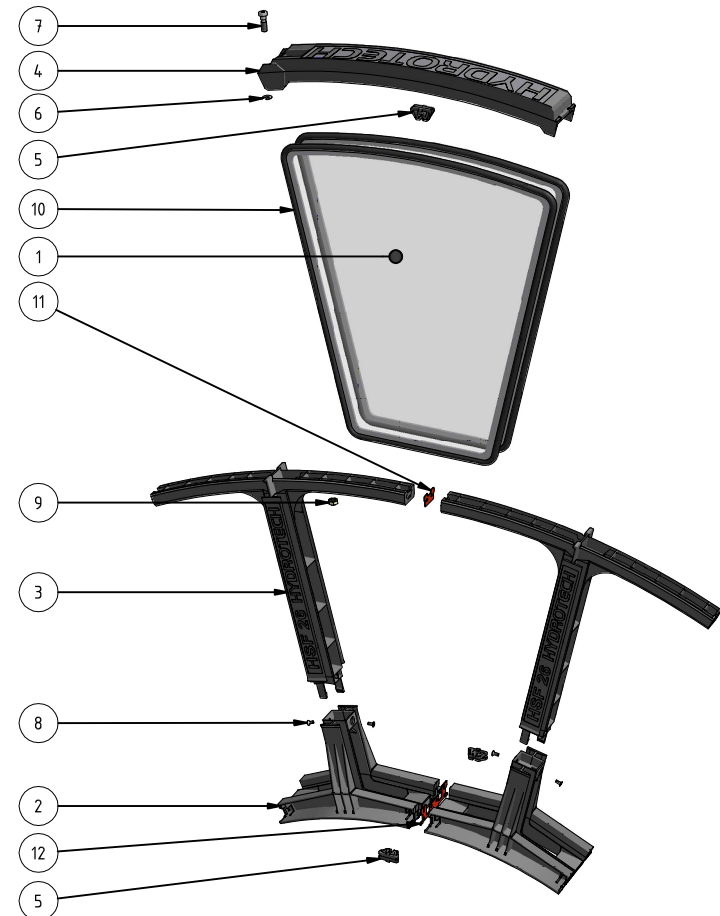
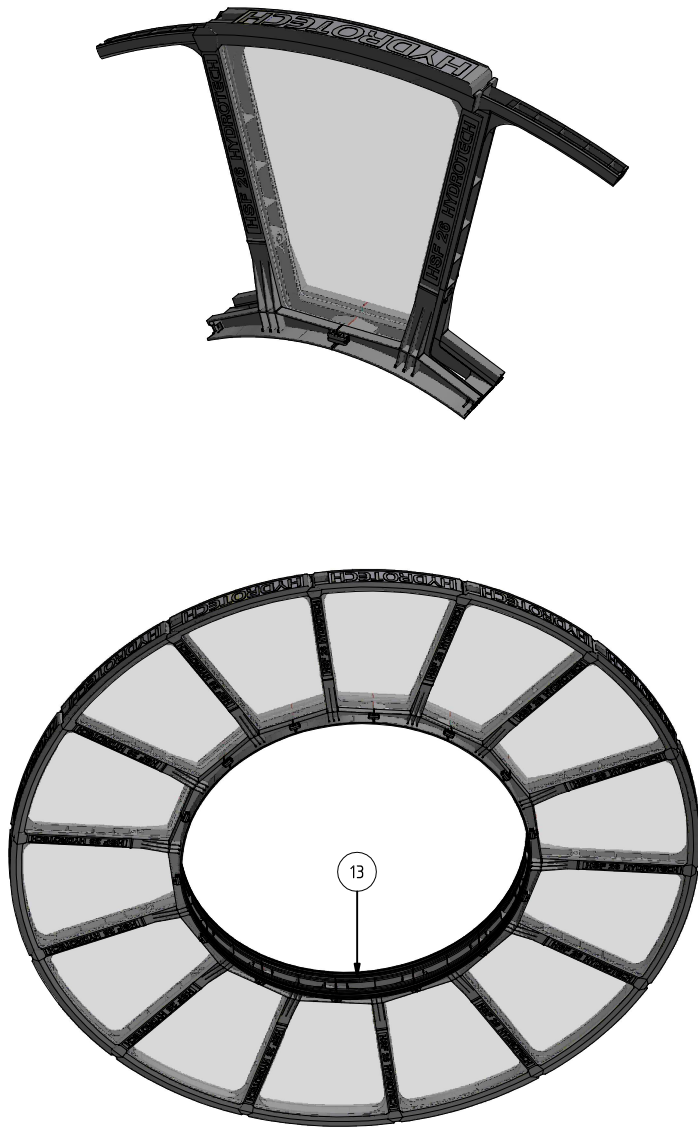
Without flush connection



14	4	Nut locking	A4	M6NM M16	Art. no. 350350
13	4	Screw	A4	M6S M16x120D	Art. no. 1008650
12	2	Screw	A4	M6S M8x20H	Art. no. 350870
11	6	Screw	A4	M6S M6x16H	Art. no. 350780
10	4	Washer	A4	17x30x3,0	Art. no. 350570
9	2	Washer	A4	8,4x16x1,6	Art. no. 350540
8	6	Washer	A4	6,4x12x1,6	Art. no. 350530
7	1	Retaining Ring			Drw. no. 5139
6	1	Seal for Effluent Bearing			Drw. no. 2939
5	1	Slide Bearing			Drw. no. 2918
4	1	Effluent bearing house			Drw. no. 5140
3	1	Axial bearing			Drw. no. 5136
2	1	Effluent center shaft bracket			Drw. no. 2938
1	B	Effluent center shaft			Drw. no. 4970

Part no.	Qty	Name		Material		Mod.-nr Blank Dimension Mass	Remark	
Designer	Drawn by	Copy	Controlled by	Stand.	Approved	Scale	Replaces	Replaced by
	JJ			ISO 2768-m				
HYDROTECH			Assembly Effluent Bearing					Date
			HSF2200, HSF2600					2010-05-03
							Draw. no.	
				4295 Edition D				

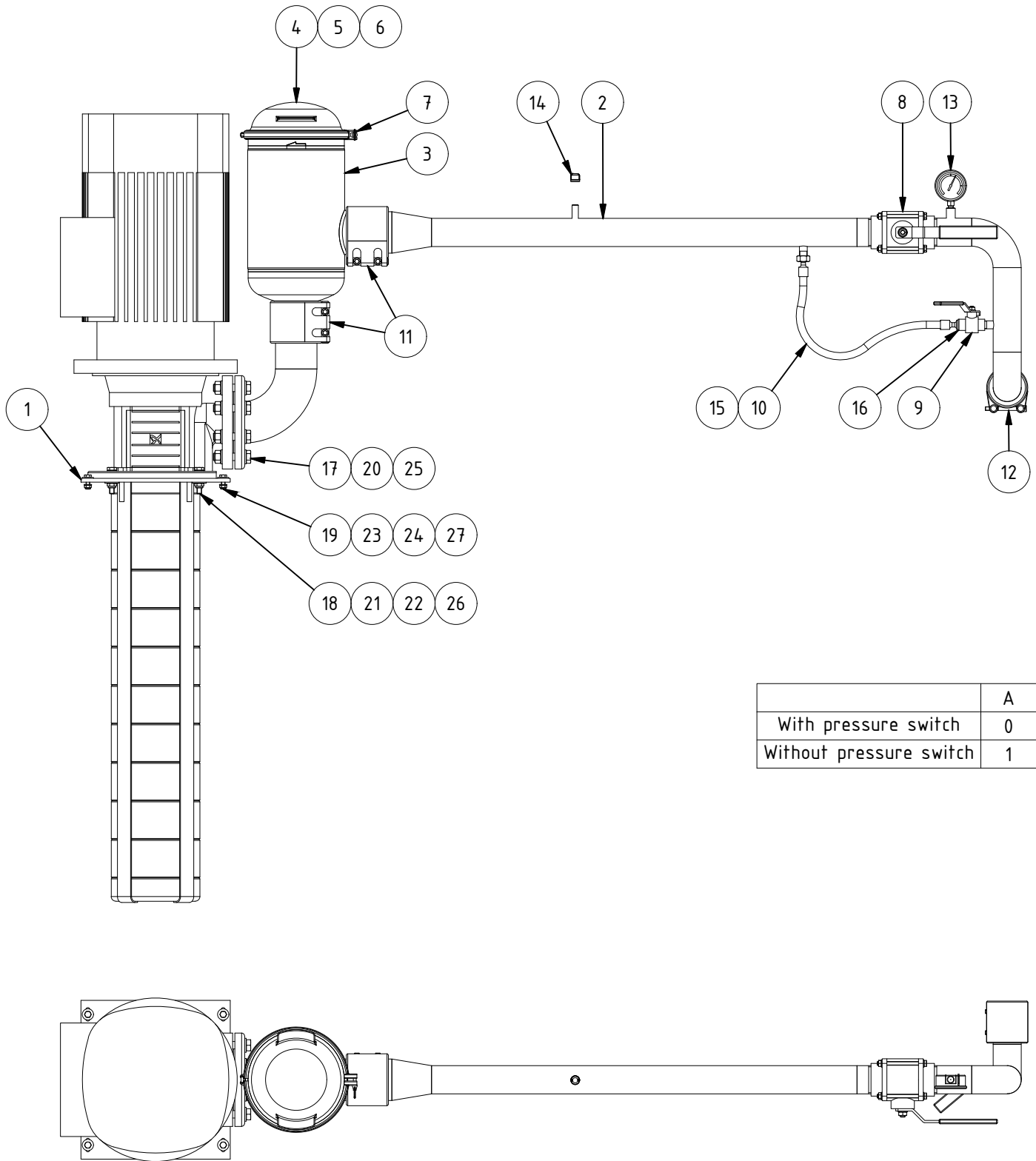
D	Exploded view added	2014-02-19	MB	
C	New drw. no. in parts list	2012-11-12	JJ	
B	Option with flush connection added	2012-04-04	JJ	
Ed.	Change and/or message no.	Date	Made by	c-m no.



13	2	Rubber Seal, self-adhering	EPDM foam	30x5	Art. no. 1007731
12	14	Seal bottom part	Regufoam		Art. no. 1013548
11	14	Seal top part	Regufoam		Art. no. 1013549
10	28	EPDM Filterpanel Seal	EPDM		Art. no. 1013772
9	14	Nut	Nylon-6/6	M6M M10	Art. no. 1005609
8	28	Screw	A4	MFT M5x12H	Art. no. 1013874
7	14	Screw			Drw. no. 3935
6	14	Clip			Drw. no. 3934
5	42	Clamp			Drw. no. 3895
4	14	Cover			Drw. no. 3894
3	14	Top part			Drw. no. 3893
2	14	Bottom part			Drw. no. 3892
1	28	Filterpanel			

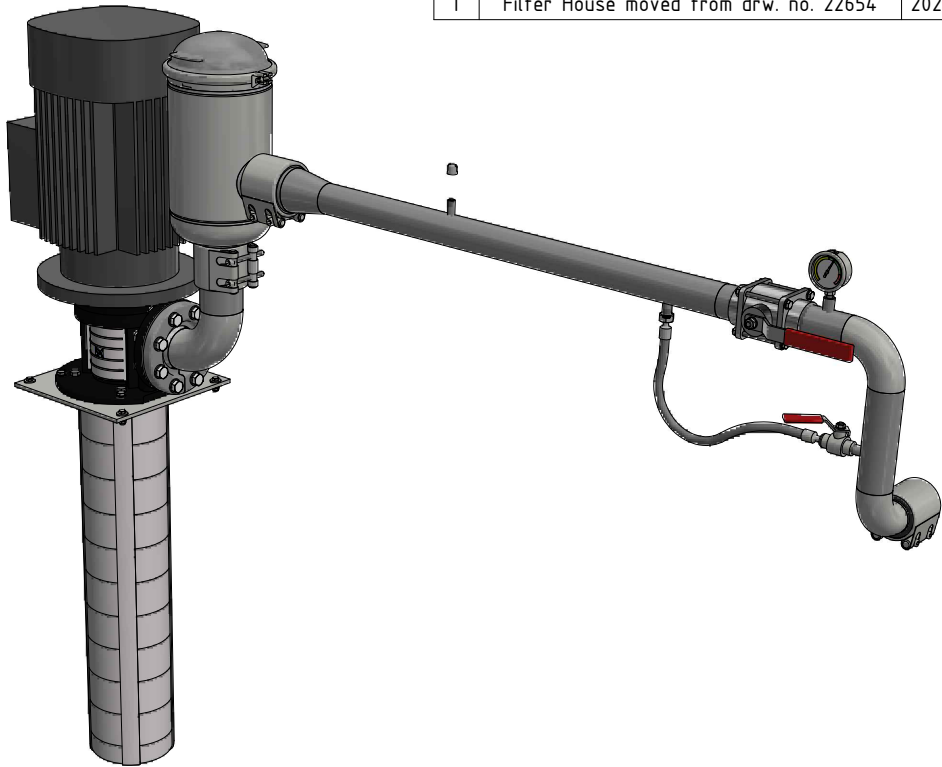
Part no.	Qty	Name	Material	Mod.-nr Blank Dimension Mass	Remark
Designer	Drawn by	Copy	Controlled by	Stand.	Approved
Per	JJ			ISO 2768-m	
HYDROTECH					Disc
HSF2600					Date
					2010-10-04
					Draw. no.
					4372 Edition B

B	Strap for disc moved to 5224	2013-07-04	JJ	
Ed.	Change and/or message no.	Date	Made by	c-m no.



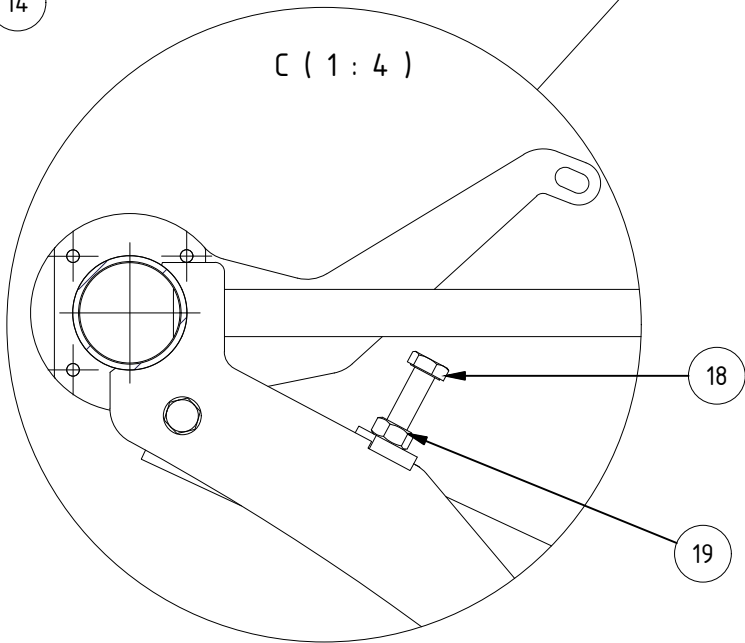
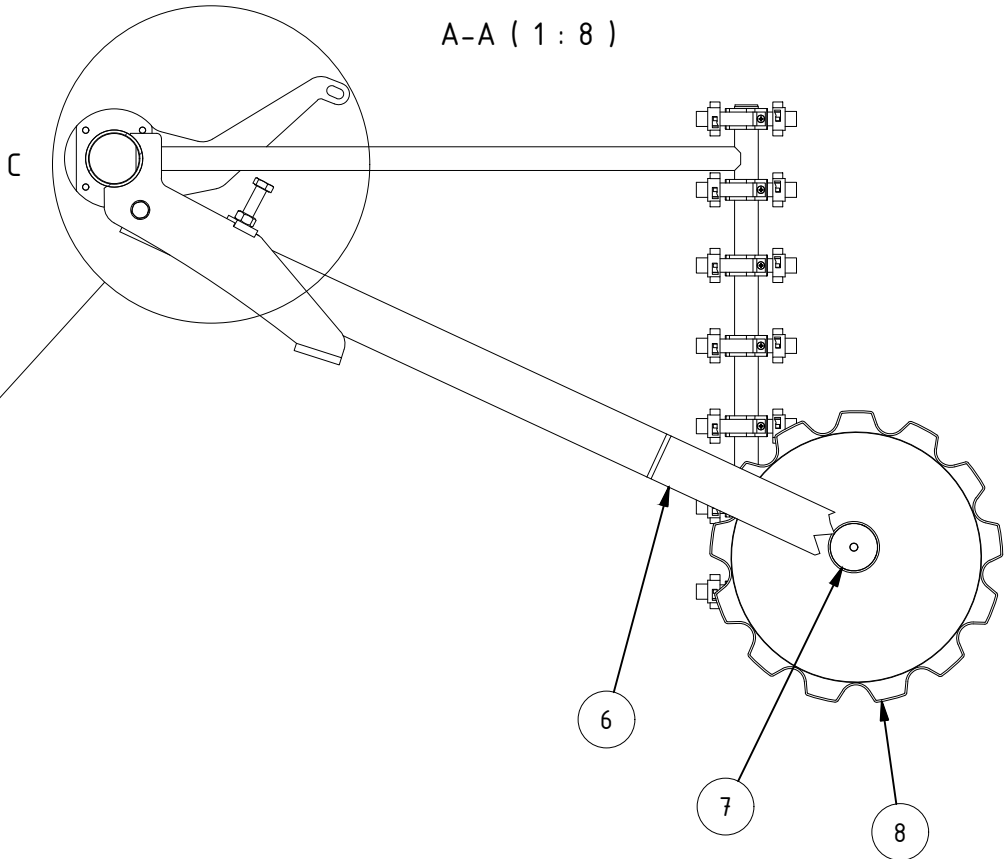
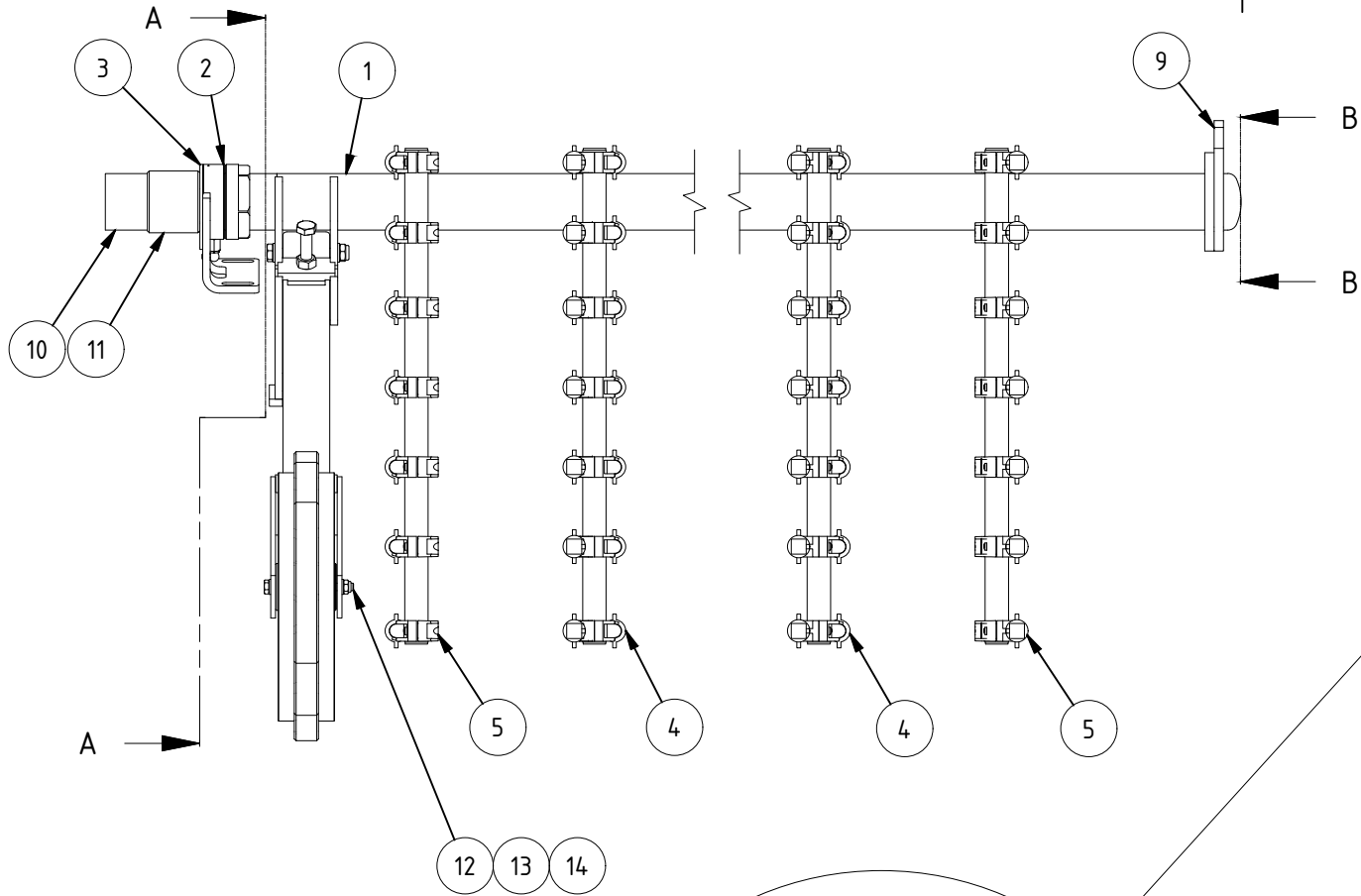
	A
With pressure switch	0
Without pressure switch	1

Ed.	Change and/or message no.	Rev date	Made by
G	Welded piping moved to drw. no. 22654	2020-10-07	DLS
H	Telemec removed. Pump removed from BOM	2021-05-27	GO
I	Filter House moved from drw. no. 22654	2021-09-06	DLS

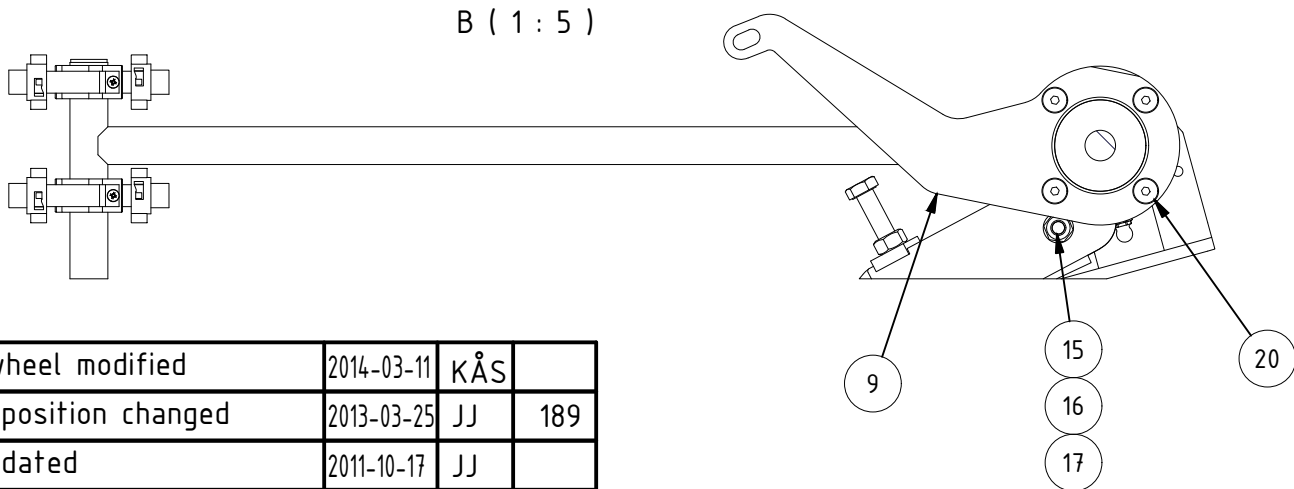


27	4	Nut locking	A4	M6NM M8	Art. no. 350320
26	4	Nut locking	A4	M6NM M10	Art. no. 350330
25	8	Nut	A4	M6M M16	Art. no. 350150
24	4	Washer	A4	8,4x16x1,6	Art. no. 350540
23	4	Washer	A4	8,4x24x2	Art. no. 350542
22	4	Washer	A4	10,5x30x2,5	Art. no. 350552
21	16	Washer	A4	17x30x3,0	Art. no. 350570
20	4	Washer	A4	10,5x20x2	Art. no. 350550
19	4	Screw	A4	M6S M8x25H	Art. no. 350875
18	4	Screw	A4	M6S M10x50D	Art. no. 350990
17	8	Screw	A4	M6S M16x70D	Art. no. 1001993
16	1	Metal/Rubber Washer	A4	3/8"	Art. no. 1016505
15	1	Copper Washer	Copper	14x10x1.0	Art. no. 1007387
14	A	Cap Round	AISI 316L	G1/4"	Art. no. 1008782
13	1	Manometer		R1/2"	Art. no. 1010967
12	1	Teekay Axilock		Ø60,3	Art. no. 1008807
11	2	Teekay Axilock		Ø88,9	Art. no. 1012724
10	1	Braided Hose		G3/8", L=450	Art. no. 1006827
9	1	Ball Valve, 2-piece		G3/8" L=55	Art. no. 1004875
8	1	Ball Valve, 3-piece		G2" L=136	Art. no. 1007093
7	1	Clamp Ring DN200	AISI 316L		Art. no. 1013204
6	1	Strainer Cartridge 3"	AISI 316L	200µm	Art. no. 1006903
5	1	O-ring 180x4 NBR70	Rubber		Art. no. 1013194
4	1	Strainer Cover	S32205		Drw. no. 3927
3	1	Filter House			Drw. no. 22517
2	1	Welded piping MTR45, 64		MTR45, 64	Drw. no. 22654
1	1	Pump bracket MTR 45, 64	AISI 316L		Drw. no. 3840
ITEM	QTY	DESCRIPTION	MATERIAL	Dimension	Remark

Designer	Drawn by JJ	Projection method 	Controlled by	Stand. ISO 2768-m	Approved	Scale 1 : 12	Sheet size A3	Replaced by
			Backwash Plumbing MTR45, 64 Discfilter HSF2600			Sheet 1 / 1		Date 2010-08-31
						Draw. no. 4375		Edition I



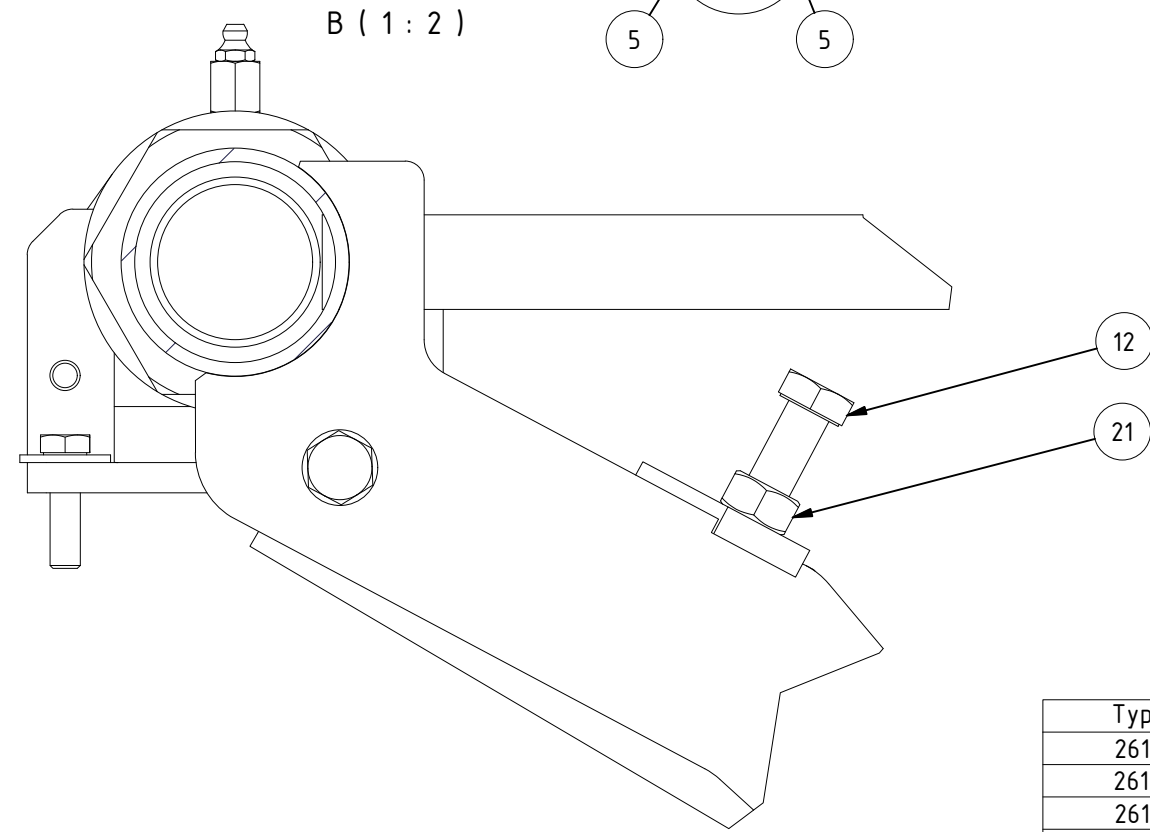
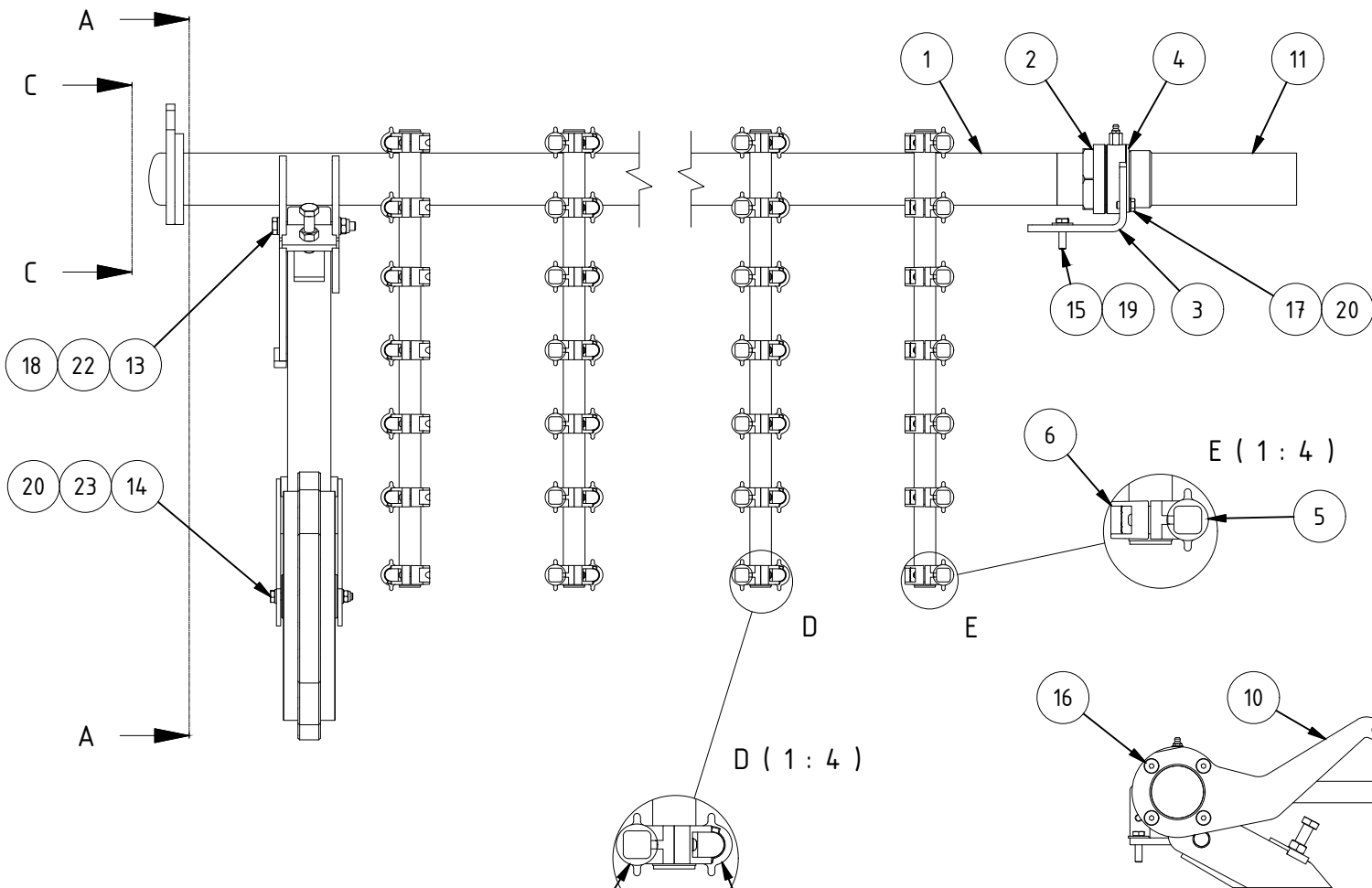
Type	A
2612	77
2614	91
2616	105
2618	119
2620	133
2622	147
2624	161
2626	175
2628	189
2630	203



20	4	Screw	A4	MF6S M8x20H	Art. no. 1015412
19	1	Nut	A4	M6M M12	Art. no. 350140
18	1	Screw	A4	M6S M12x50H	Art. no. 351050
17	2	Washer	A4	10,5x20x2	Art. no. 350550
16	1	Nut locking	A4	M6NM M10	Art. no. 350330
15	1	Screw	A4	M6S M10x80H	Art. no. 351010
14	2	Washer	A4	8,4x16x1,6	Art. no. 350540
13	1	Nut locking	A4	M6NM M8	Art. no. 350320
12	1	Screw	A4	M6S M8x90D	Art. no. 1001398
11	1	Weld socket	AISI 316L	2"	L=56
10	1	Pipe	AISI 316L	Ø60,3	L=45
9	1	Lever arm for actuator			Drw. no. 4514
8	1	Sprocket wheel			Drw. no. 5511
7	1	Shaft			Drw. no. 5513
6	1	Lever arm			Drw. no. 5512
5	14	Nozzle outer complete			Drw. no. 4373
4	A	Nozzle inner complete			Drw. no. 4373
3	1	Swivel bracket			Drw. no. 4691
2	1	Swivel			Drw. no. 4692
1	1	Backwash Header			Drw. no. 4619

Part no.	Qty	Name			Material		Mod.-nr Blank Dimension Mass	Remark	
Designer	Drawn by	Copy	Controlled by	Stand.	Approved	Scale	Replaces	Replaced by	
Per	JJ			ISO 2768-m		1 : 8			
HYDROTECH			Assembly Backwash Header						Date 2011-06-27
			HSF2600-1F					Draw. no.	4620 Edition D

D	Sprocket wheel modified	2014-03-11	KÅS	
C	Spray bar position changed	2013-03-25	JJ	189
B	Drawing updated	2011-10-17	JJ	
Ed.	Change and/or message no.	Date	Made by	c-m no.

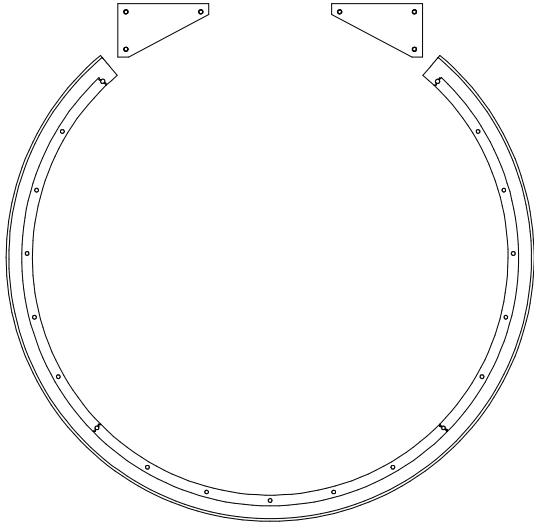
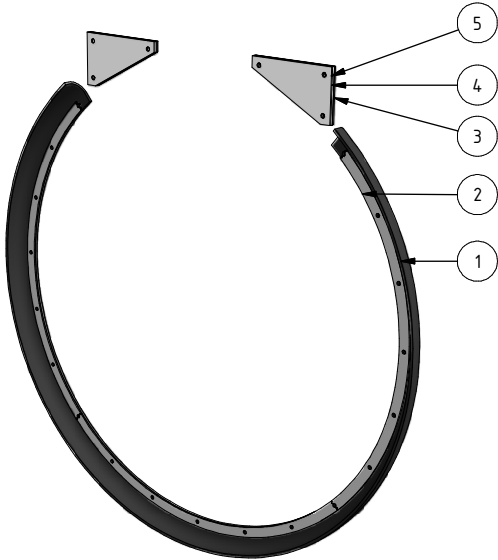


Type	A
2612	168
2614	196
2616	224
2618	252
2620	280
2622	308
2624	336
2626	364
2628	392
2630	420

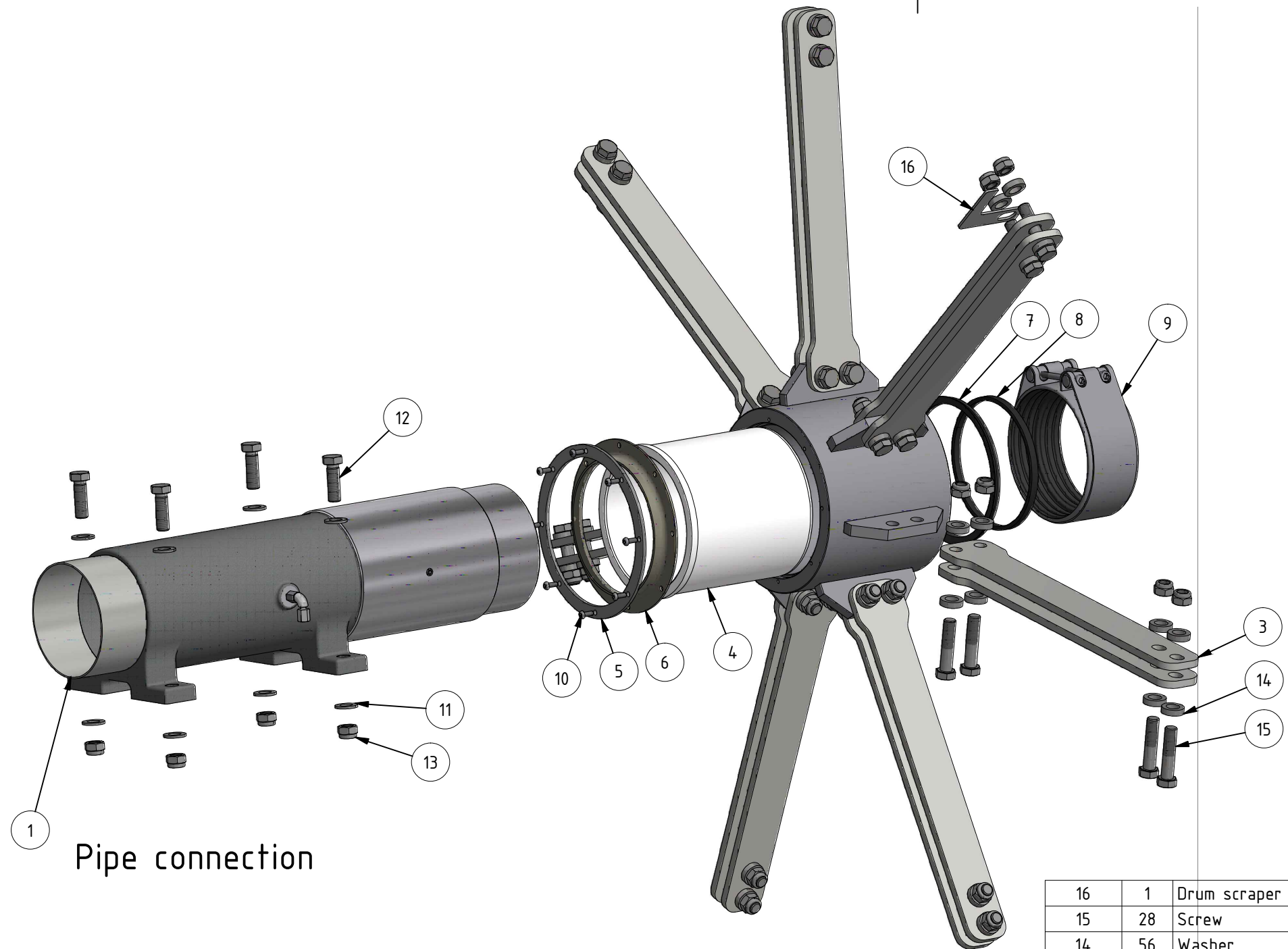
23	1	Nut locking	A4	M6NM M8	Art. no. 350320
22	1	Nut locking	A4	M6NM M10	Art. no. 350330
21	1	Nut	A4	M6M M12	Art. no. 350140
20	4	Washer	A4	8,4x16x1,6	Art. no. 350540
19	2	Washer	A4	8,4x24x2	Art. no. 350542
18	2	Washer	A4	10,5x20x2	Art. no. 350550
17	2	Screw	A4	M6S M8x16H	Art. no. 350860
16	4	Screw	A4	MF6S M8x20H	Art. no. 1015412
15	2	Screw	A4	M6S M8x30H	Art. no. 350880
14	1	Screw	A4	M6S M8x90D	Art. no. 1001398
13	1	Screw	A4	M6S M10x90D	Art. no. 1002092
12	1	Screw	A4	M6S M12x50H	Art. no. 351050
11	1	Pipe Connection	AISI 316L		Drw. no. 23075
10	1	Lever arm for actuator			Drw. no. 4514
9	1	Sprocket wheel			Drw. no. 5511
8	1	Shaft			Drw. no. 5513
7	1	Lever arm			Drw. no. 5512
6	14	Clamp unit			Drw. no. 20888 (HSF26)
5	A	Nozzle unit, Lechler			Drw. no. 20886
4	1	Swivel lock plate	AISI316L/2205	t=3	Art. no. 1006556 / 1018685
3	1	Swivel Holder Bracket		t=8	Drw. no. 2614
2	1	Swivel			Drw. no. 3942
1	1	Backwash Header			Drw. No. 4124

Part no.	Qty	Name	Material	Mod.-nr Blank Dimension Mass	Remark
Designer	Drawn by	Copy	Controlled by	Stand.	Approved
Per	JJ			ISO 2768-m	Scale 1 : 8
HYDROTECH					Assembly Backwash Header
Discfilter HSF26 2F					Date 2010-06-22
4351 Edition F					Draw. no.

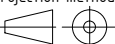
F	Assembly updated	2021-09-07	DLS	
Ed.	Change and/or message no.	Date	Made by	c-m no.



5	0-4	Spacer for axial bearing, t=8				Drw. no. 2941
4	0-2	Spacer for axial bearing, t=5				Drw. no. 5137
3	0-2	Spacer for axial bearing, t=3				Drw. no. 3141
2	3	Clamp bar				Drw. no. 4864
1	1	Rubber lip for inlet				Drw. no. 2931
Pos no	Qty	Name	Material	Dimension	Remark	
Designer	Drawn by	Projection method	Controlled by	Stand.	Approved	Scale
	JJ			ISO 2768-m		1 : 10
HYDROTECH		Inlet seal assembly				Sheet size
		HSF2200				A3
						Replaced by
						Sheet
						1 / 1
						Date
						2012-12-06
						Draw. no.
						5151
						Edition
						A



For flush valve

16	1	Drum scraper	AISI 316L		Drw. no. 5318				
15	28	Screw	A4	M6S M16x70D	Art. no. 1001993				
14	56	Washer	A4	18x30x8	Art. no. 1017685				
13	32	Nut locking	A4	M6NM M16	Art. no. 350350				
12	4	Screw	A4	M6S M16x50H	Art. no. 1010417				
11	8	Washer	A4	17x30x3,0	Art. no. 350570				
10	8	Screw	A4	MK6S M6x16H	Art. no. 1005612				
9	1	Teekay Connection		150/168,3	Art. no. 1008596				
8	1	Sleeve	PVC-Piping		Drw. no. 3351				
7	1	Forsheda V-ring V-180A	AISI304L/316L		Art. no. 1010585				
6	1	Seal for influent bearing	Rubber		Drw. no. 3350				
5	1	Retaining Ring	AISI 316L		Drw. no. 5138				
4	1	Slide Bearing	PEHD 500		Drw. no. 2918				
3	14	Dum spoke	AISI 316L		Drw. no. 5216				
2	1	Influent Bearing House			Drw. no. 4304				
1	1	Influent centershaft			Drw. no. 4894				
Pos no	Qty	Name		Material	Dimension	Remark			
Designer	Drawn by	Projection method	Controlled by	Stand.	Approved	Scale	Sheet size	Replaced by	
ES				ISO 2768-m			A3		
			Influent Bearing Assembly				Sheet	Date	
			Exploded view				1 / 1	2020-04-24	
			HSF2600				Draw. no.	Edition	
							22425	A	

SERVICE

HSF2612/30-1F-2F

Checklist / service report

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:

SERVICE

HSF2612/30-1F-2F

To be done on yearly visit

☐

Check oil condition in drive unit according to separate manual

Remarks:

☐

Check drum bearings for wear

Remarks:

☐

Check shaft gaskets for wear

Remarks:

☐

Check inlet gasket for wear

Remarks:

☐

Check support wheels for wear

Remarks:

SERVICE

HSF2612/30-1F-2F

To be done every five years

Replace the parts from service kit

OK

☐	Axial bearing
☐	Slide bearing for drum
☐	Rubber sealing shaft
☐	V-sealing, V-180A
☐	Seal for influent bearing
☐	Backwash wheel shaft Ø50x50
☐	Wheel to backwash unit 26
☐	Manometer 0-16 bar 1/4" SI
☐	Rubber lip seal for inlet
☐	Guiding blocks drum
☐	Sprocket wheel motor Z=14
☐	Strainer, O-sealing 180x4,0 NBR70
☐	Strainer, cartridge 200 µm
☐	Swivel

Check and if needed replace strategic and critical parts

OK

Replaced

☐	Backwash nozzles	Qty: _____
☐	Filter panels	Qty: _____
☐	Sprocket wheel drum Z=42	Qty: _____
☐	Drive chain	Qty: _____
☐	Backwash pump	Qty: _____
☐	SEW drive unit	Qty: _____

Remarks:
