

Flygt SR/PP 4670.412/.492



Table of Contents

1 Introduction.....	2
1.1 Specially approved products.....	2
2 Product Description.....	3
2.1 The data plate.....	3
2.2 Approvals.....	4
2.3 Product denomination.....	5
3 Exploded View.....	7
3.1 Exploded view.....	7
3.2 Exploded view.....	9
4 List of Parts.....	14
4.1 4670.412/.492.....	14

1 Introduction

Purpose of this manual

The purpose of this manual is to provide necessary information on spare parts and accessories order.

Disclaimer

Always use genuine Flygt parts. The use of other spare parts or accessories can invalidate any claims for warranty or compensation. Xylem does not take any responsibility for damages that are caused by the use of non-original parts. For more information, contact your local sales and service representative.

Data for ordering spare parts

The following information is needed for spare part orders:

- Serial number of the product
- Part number
- Quantity of bulk material, see * in tables

1.1 Specially approved products

Qualification of personnel

Only Xylem or Xylem-authorized service personnel may undertake repair work on specially approved products.

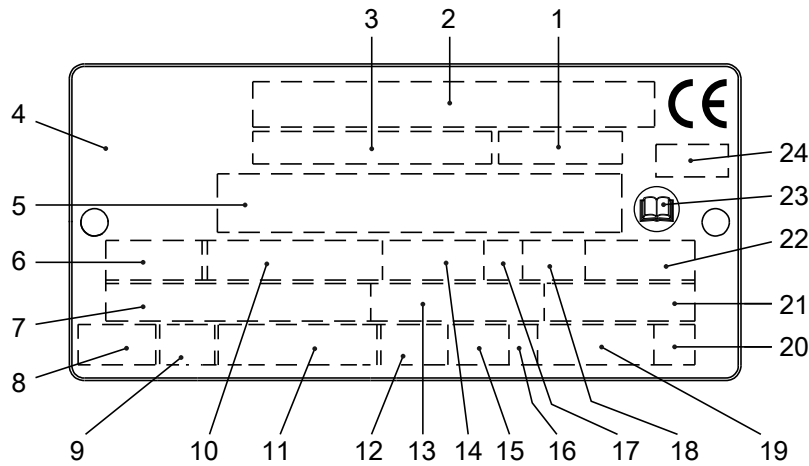
Dimensional accuracy inspection

Spare parts marked with (Ex) after the part number are subject to dimensional accuracy inspection when used in specially approved products.

2 Product Description

2.1 The data plate

The data plate is a metal label that is located on the main body of the products. The data plate lists key product specifications. Specially approved products also have an approval plate.



WIS006257A

1. Curve code or Propeller code
2. Serial number
3. Product number
4. Country of origin
5. Additional information
6. Phase; type of current; frequency
7. Rated voltage
8. Thermal protection
9. Thermal class
10. Rated shaft power
11. International standard
12. Degree of protection
13. Rated current
14. Rated speed
15. Maximum submergence
16. Direction of rotation: L=left, R=right
17. Duty class
18. Duty factor
19. Product weight
20. Locked rotor code letter
21. Power factor
22. Maximum ambient temperature
23. Read installation manual
24. Notified body, only for EN-approved Ex products

Figure 1: The data plate

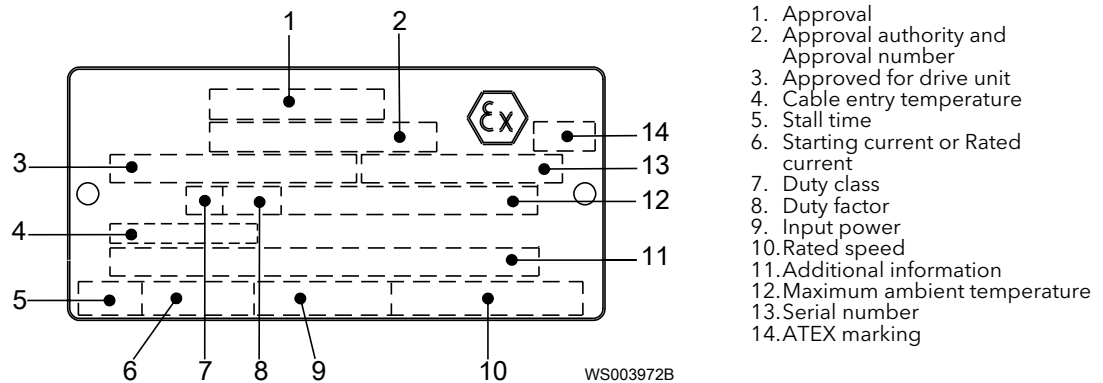
2.2 Approvals

Product approvals for hazardous locations

Product	Approval
4670.492	European Norm (EN) <ul style="list-style-type: none"> • ATEX Directive • EN 60079-0:2012/A11:2013, EN 60079-1:2007, EN 13463-1:2009, EN 13463-5:2011 • Ex I M2 c Ex d I Mb • Ex II 2 G c Ex d IIB T3 Gb
	IEC <ul style="list-style-type: none"> • IECEx scheme • IEC 60079-0, IEC 60079-1 • Ex d I Mb • Ex d IIB T3 Gb
	FM (FM Approvals) <ul style="list-style-type: none"> • Explosion proof for use in Class I, Div. 1, Group C and D • Dust ignition proof for use in Class II, Div. 1, Group E, F and G • Suitable for use in Class III, Div. 1, Hazardous Locations
	CSA Ex <ul style="list-style-type: none"> • Explosion proof for use in Class I, Div. 1, Group C and D

EN approval plate

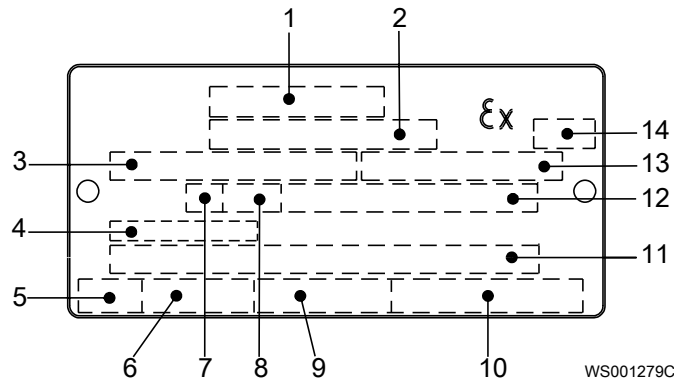
This illustration describes the EN approval plate and the information that is contained in its fields.



IEC approval plate

This illustration describes the IEC approval plate and the information that is contained in its fields.

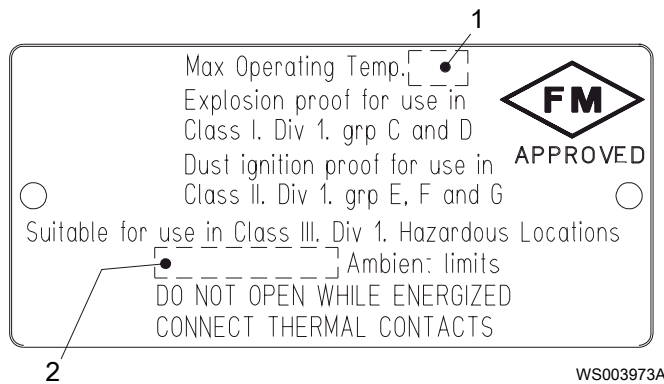
International Norm; not for EU member countries.



1. Approval
2. Approval authority and Approval number
3. Approved for drive unit
4. Cable entry temperature
5. Stall time
6. Starting current or Rated current
7. Duty class
8. Duty factor
9. Input power
10. Rated speed
11. Additional information
12. Maximum ambient temperature
13. Serial number
14. ATEX marking

FM approval plate

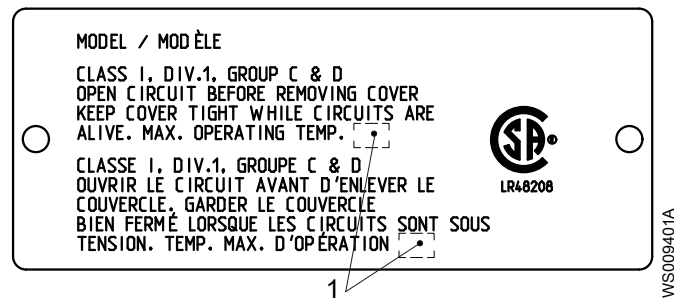
This illustration describes the FM approval plate and the information that is contained in its fields.



1. Temperature class
2. Maximum ambient temperature

CSA approval plate

This illustration describes the CSA approval plate and the information that is contained in its fields.



1. Temperature class

2.3 Product denomination

Reading instruction

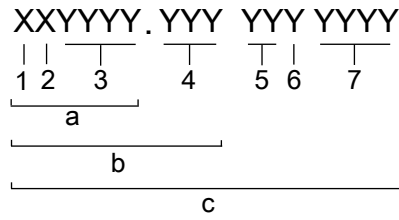
In this section, code characters are illustrated accordingly:

X = letter

Y = digit

The different types of codes are marked up with a, b and c. Code parameters are marked up with numbers.

Codes and parameters

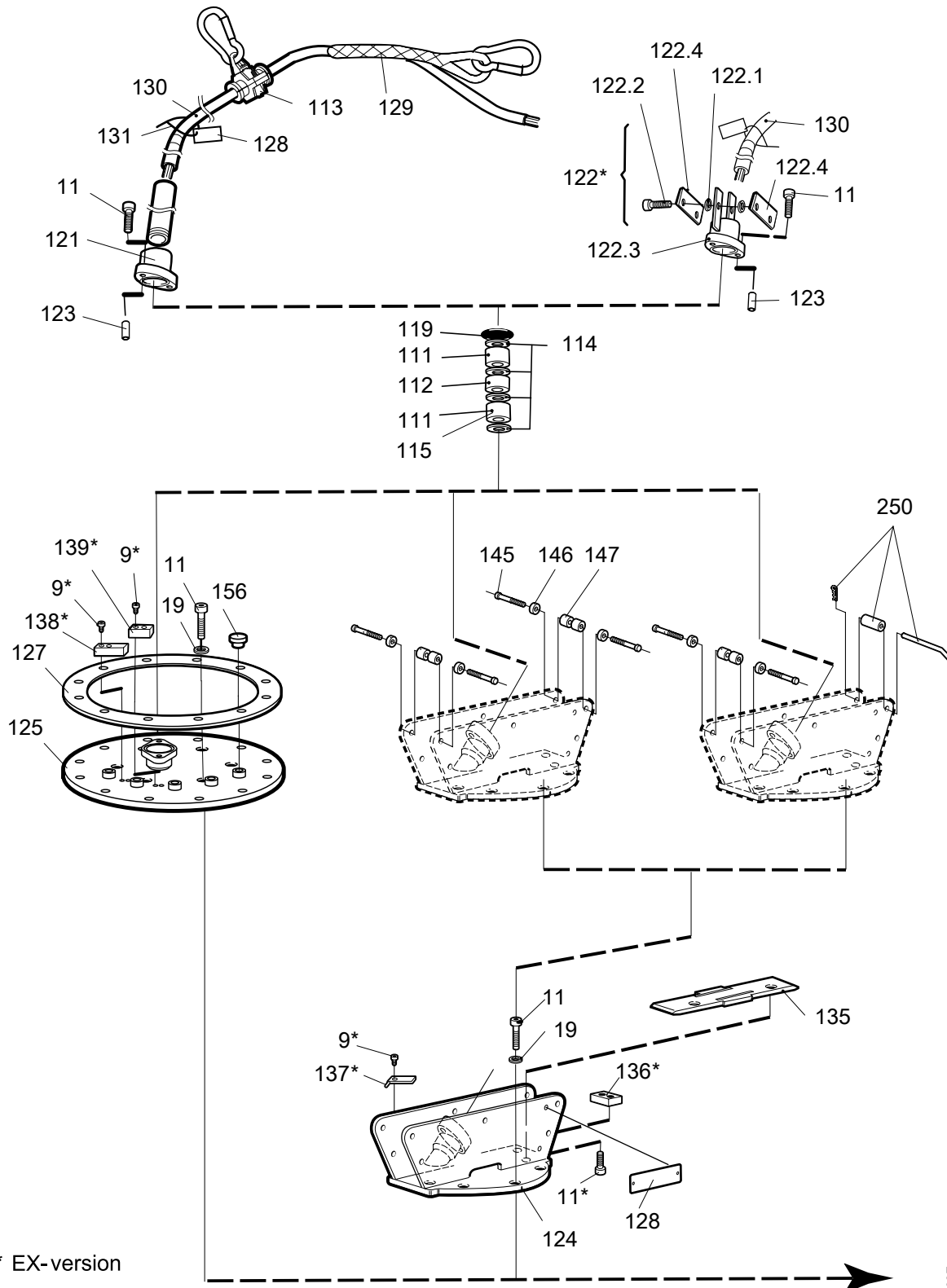


WS006265B

Type of Callout	Number	Indication
Type of code	a	Sales denomination
	b	Product code
	c	Serial number
Parameter	1	Hydraulic end
	2	Type of installation
	3	Sales code
	4	Version
	5	Production year
	6	Production cycle
	7	Running number

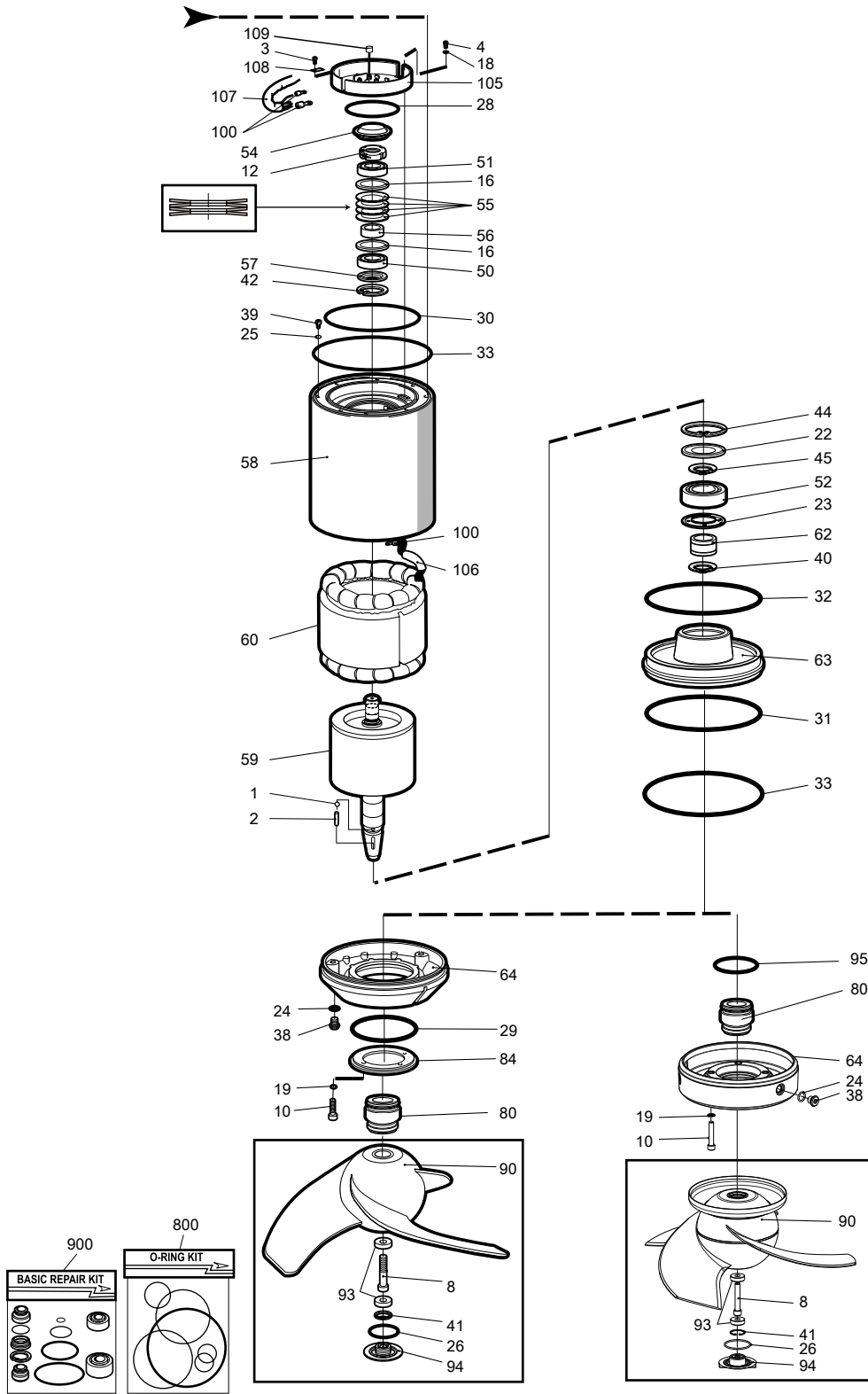
3 Exploded View

3.1 Exploded view



* EX-version

40798F



40801C

3.2 Exploded view

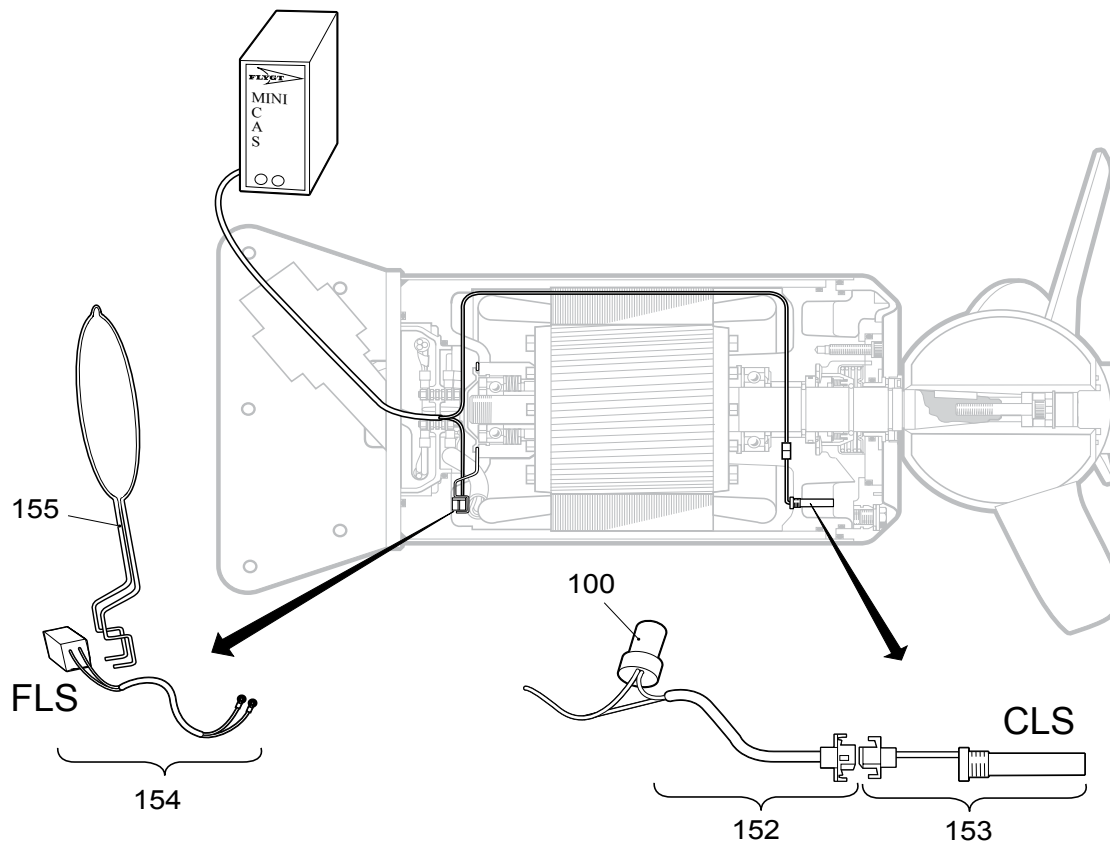
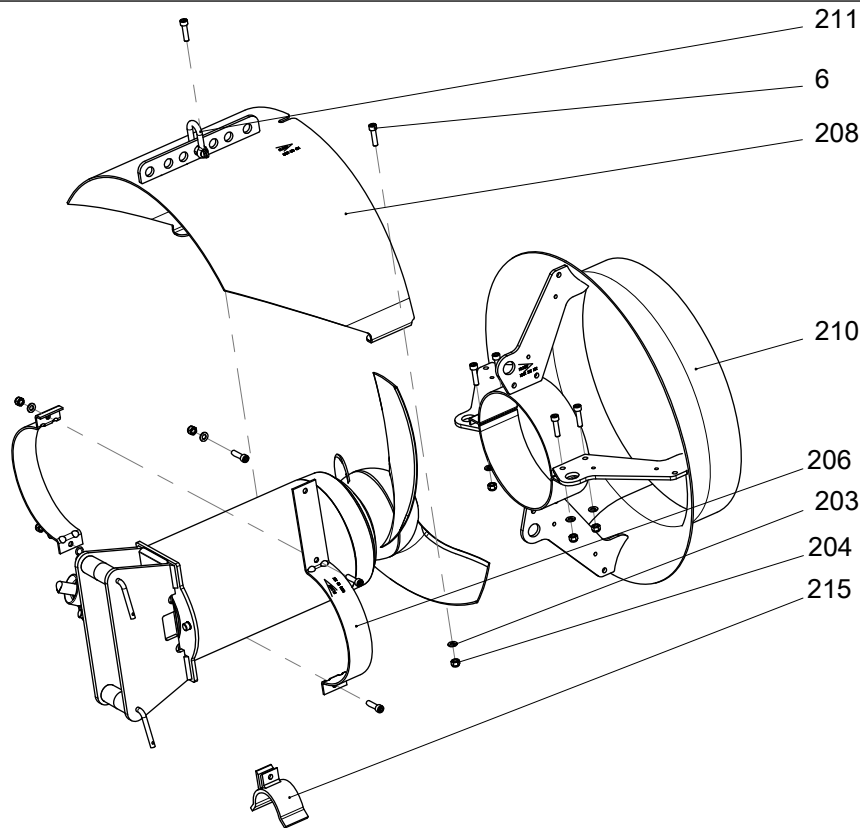
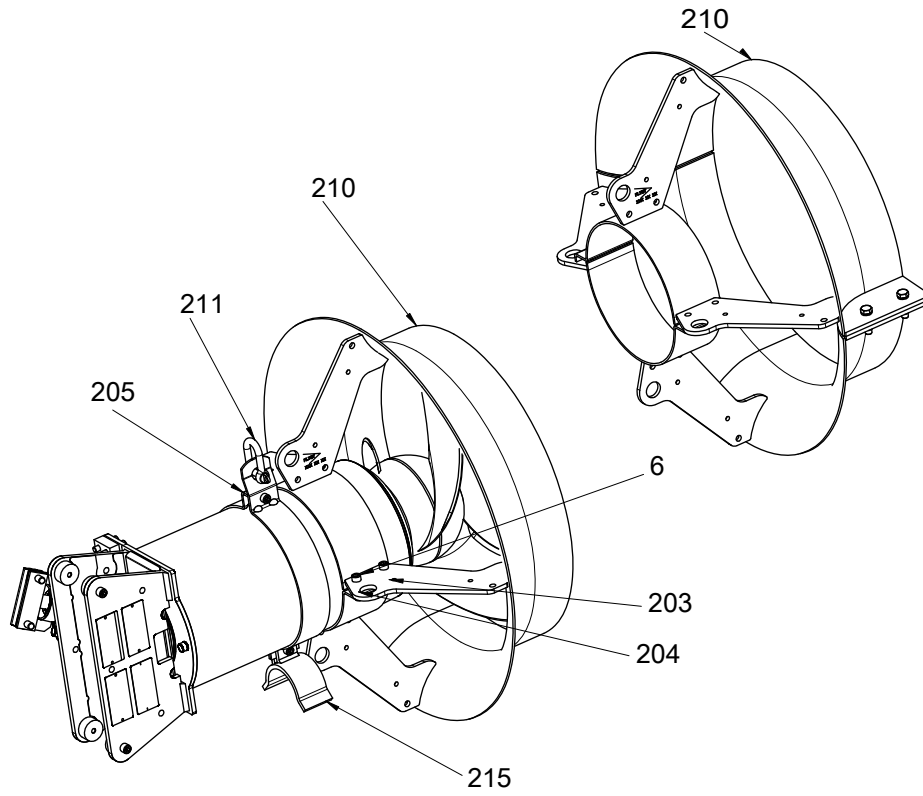


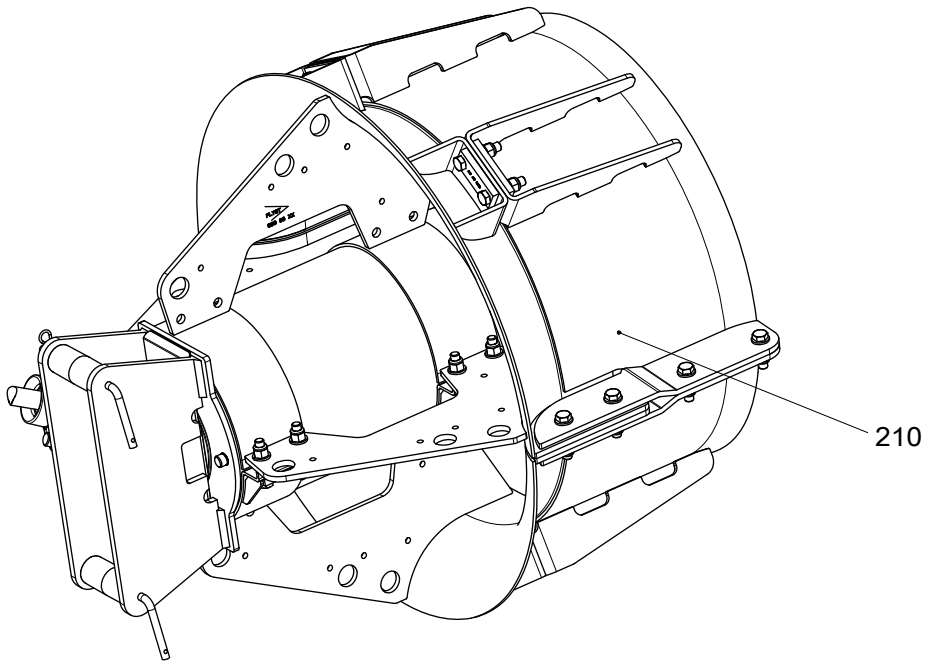
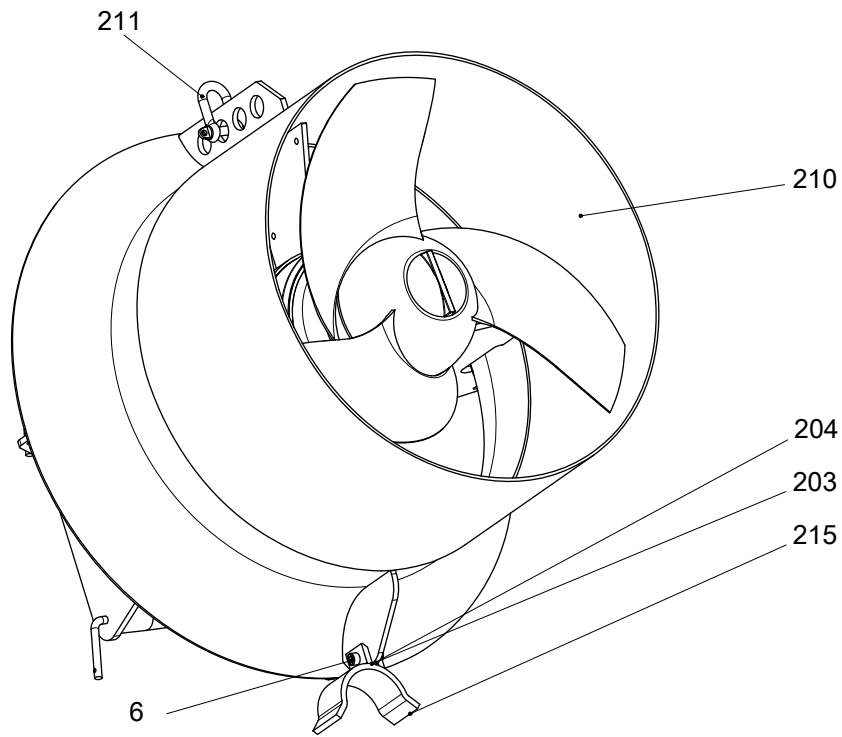
Figure 2: Sensors

40930A



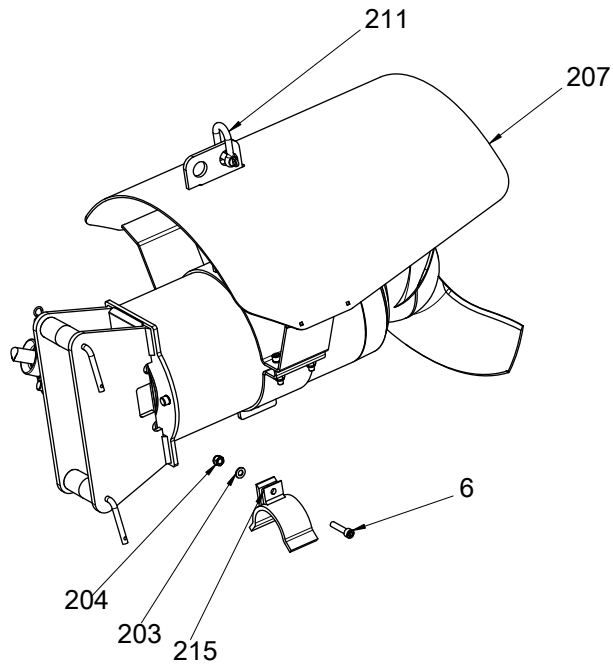
40931A

Figure 3: Jetring and vortex protection shield



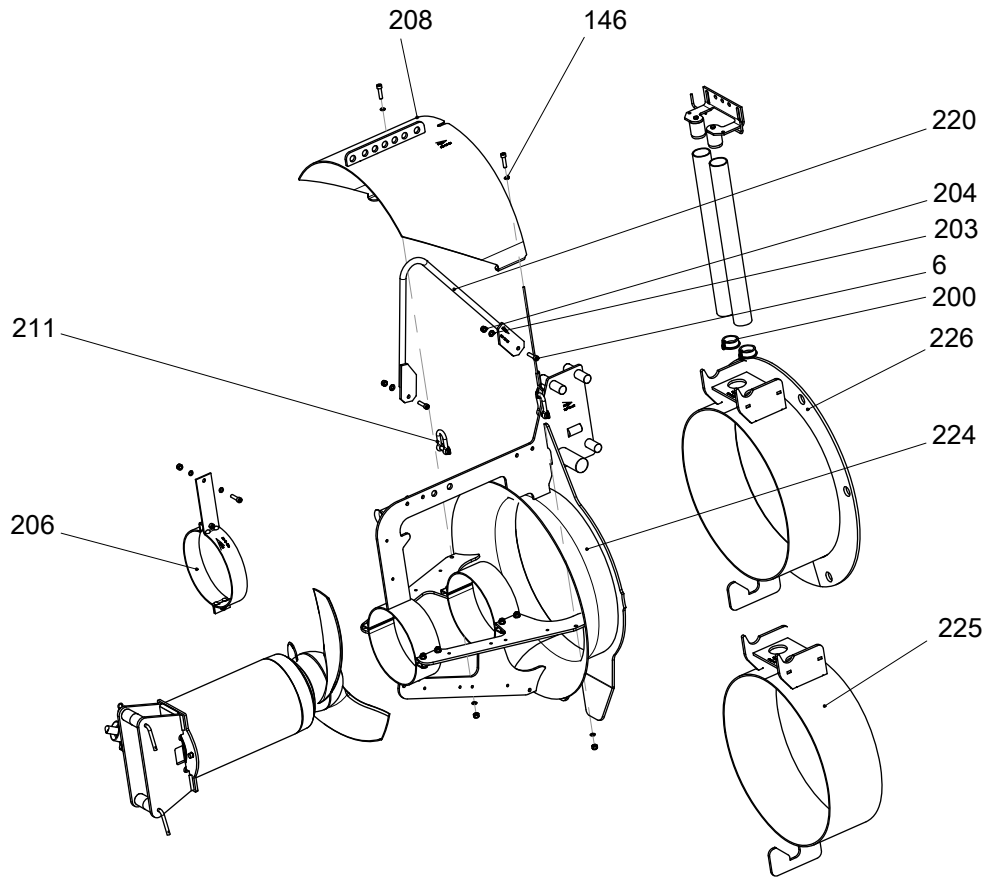
40932A

Figure 4: Jetring, extended and extended divided



40933A

Figure 5: Vortex protection shield



40934A

Figure 6: Accessories for PP pumps

4 List of Parts

4.1 4670.412/.492

Pos. No	Part. No	Type	Denomination	Qty/Version	
				412	492
1	80 30 05		Parallel pin CP-H8-4X10-2346	1	1
3	83 02 73		Hex.socket hd screw M6X12-A4-70	1	1
4	83 02 73		Hex.socket hd screw M6X12-A4-70	3	3
5	83 02 00		Hex.socket hd screw M10X50-A4-80	1	1
5	83 02 00		Hex.socket hd screw M10X50-A4-80	5	5
5	83 02 00		Hex.socket hd screw M10X50-A4-80	4	5
5	83 02 00		Hex.socket hd screw M10X50-A4-80	8	8
6	83 04 46		Hex.socket hd screw M10X40-A4-80	8	10
6	83 04 46		Hex.socket hd screw M10X40-A4-80	8	8
6	83 04 46		Hex.socket hd screw M10X40-A4-80	3	3
6	83 04 46		Hex.socket hd screw M10X40-A4-80	2	2
6	83 04 46		Hex.socket hd screw M10X40-A4-80	5	5
6	83 04 46		Hex.socket hd screw M10X40-A4-80		14
6	83 04 46		Hex.socket hd screw M10X40-A4-80		12
9	83 04 48		Hex.socket hd screw M8X20-A4-80		1
9	83 04 48		Hex.socket hd screw M8X20-A4-80		4
10	83 03 30		Hex.socket hd screw M10X60-A4-70	4	4
11	83 04 49		Hex.socket hd screw M12X30-A4-80	2	2
12	589 46 00		Nut unit	1	1
16	82 44 39		Supporting washer S 75X95X3.5	2	2
18	787 20 00		Disc spring	1	1
19	583 32 03		Seal ring HNBR	12	12
19	583 32 02		Seal ring FPM	12	12
22	596 37 05		Washer 70X129.8X4	1	1
23	627 28 00		Special washer PBT 10% GLASS-FIBRE	1	1
24	82 76 85		O-ring 17X3 NBR	2	2
24	82 79 15		O-ring 17X3 FPM	2	2
25	82 74 40		O-ring 4.1X1.6 NBR	1	1
26	82 74 69		O-ring 79.5X3 NBR	1	1
26	82 81 76		O-ring 79.5X3 FPM	1	1
28	82 74 85		O-ring 159.3X5.7 NBR	1	1
30	82 75 01		O-ring 279.3X5.7 NBR	1	1
30	82 75 22		O-ring 279.3X5.7 FPM	1	1
32	82 78 69		O-ring 330X5.7 NBR	2	2
32	82 71 39		O-ring 330X5.7 FPM	2	2
33	82 75 06		O-ring 359.3X5.7 NBR	2	2
33	82 81 53		O-ring 359.3X5.7 FPM	2	2
38	642 13 01		Plug	2	2

Pos. No	Part. No	Type	Denomination	Qty/Version	
				412	492
39	583 89 00	(Ex)	Inspection screw SS	1	1
40	82 60 66		Retaining ring 471-60X3	1	1
42	82 62 20		Retaining ring SGH 80	1	1
44	82 62 37		Retaining ring SGH 130	1	1
45	82 64 01		Retaining ring 60-SPRING STEEL	1	1
50	83 57 07		Roller bearing NU 1010 J/M C3 50X80X16	1	1
51	85 03 53		Ball bearing 7210 50X90X20	1	1
52	85 03 54		Ball bearing 7212 60X130X31	1	1
54	570 38 00		Cover	1	1
55	582 95 02		Disc spring	4	4
56	584 86 02		Sleeve	1	1
57	585 16 00		Supporting washer	1	1
58	582 99 01		Stator housing unit	1	
58	582 99 11	(Ex)	Stator housing unit		1
59	570 15 02	(Ex)	Shaft unit	1	1
60	671 01 34	(Ex)	Stator 35-17-16a	1	1
60	671 01 28	(Ex)	Stator 35-17-16a	1	1
60	671 01 39		Stator 35-17-16a	1	1
60	671 01 44		Stator 35-17-16a	1	1
60	671 01 38	(Ex)	Stator 35-17-16a	1	1
60	671 01 52	(Ex)	Stator 35-17-16a	1	1
60	671 01 30	(Ex)	Stator 35-17-16a	1	1
60	671 01 32	(Ex)	Stator 35-17-16a	1	1
60	671 01 55	(Ex)	Stator 35-17-16a	1	1
60	671 01 53	(Ex)	Stator 35-17-16a	1	1
62	570 59 00		Sleeve	1	
62	585 24 00	(Ex)	Sleeve		1
63	570 58 02		Bearing housing	1	
63	570 58 03		Bearing housing	1	
63	570 58 11	(Ex)	Bearing housing		1
64	728 86 01		Oil housing	1	1
80	631 37 30		Mechanical seal WCCR/WCCR, WCCR/WCCR FPM	1	1
80	631 37 31		Mechanical seal WCCR/WCCR, RSIC/ RSIC FPM	1	1
90	730 02 05		Propeller compl.	1	1
90	730 02 07		Propeller compl.	1	1
90	730 02 09		Propeller compl.	1	1

Pos. No	Part. No	Type	Denomination	Qty/Version	
				412	492
90	730 02 11		Propeller compl. stainless steel (ASTM 316L) Angle 11	1	1
90	730 02 13		Propeller compl. stainless steel (ASTM 316L) Angle 13	1	1
90	730 02 14		Propeller compl. stainless steel (ASTM 316L) Angle 14	1	1
90	730 02 15		Propeller compl. No of blades 3 Angle 15	1	1
90	730 02 47		Propeller compl. Stainless steel (Duplex ASTM UNS S31803) Angle 7	1	1
90	730 02 49		Propeller compl. Stainless steel (Duplex ASTM UNS S31803) Angle 9	1	1
90	730 02 57		Propeller compl.	1	1
90	730 47 09		Propeller compl. Hard-Iron TM Angle 9	1	1
90	730 47 11		Propeller compl. Hard-Iron TM Angle 11	1	1
90	730 47 13		Propeller compl. Hard-Iron TM Angle 13	1	1
90	730 47 15		Propeller compl. Hard-Iron TM Angle 15	1	1
90	730 47 17		Propeller compl. Hard-Iron TM Angle 17	1	1
90	730 47 19		Propeller compl. Hard-Iron TM Angle 19	1	1
95	82 74 15		O-ring 114.3X5.7 NBR	1	1
95	82 81 77		O-ring 114.3X5.7 FPM	1	1
100	83 42 83		Cable lug 0.5-1.5 MM2 M5	2	2
100	83 42 84		Cable lug 2.5-6MM2 M8	6	6
100	83 43 03		Cable lug 1-2.5 MM2 M8	6	6
100	83 44 24		Closed-end splice 3-6 (AWG 12-10)	1	1
100	83 42 83		Cable lug 0.5-1.5 MM2 M5	1	
100	83 42 84		Cable lug 2.5-6MM2 M8	3	3
100	83 42 96		Cable lug 2.5-6 MM2 M6	1	1
100	83 43 24		Cable lug 2.5-6 MM2 M5	2	2
100	427 13 00		Marking tape	1	
100	83 42 97		Cable lug 10.1-16MM2 M6	1	1
100	83 42 99		Cable lug 10.1-16 MM2 M8	3	3
100	83 43 62		Cable lug UL/CSA 0.50-1.65 MM2 M6	1	1
100	83 43 03		Cable lug 1-2.5 MM2 M8	3	3
100	83 43 04		Cable lug 1-2.5 MM2 M5	2	2
100	83 43 58		Cable lug UL/CSA 1.04-2.62 MM2 M6	1	1
100	83 42 62		Closed-end splice 0.33-0.82 (AWG 22-18)	2	2
100	83 42 77		Cable lug 16.1-25MM2 M8	3	3
100	83 42 82		Cable lug 16.1-25MM2 M6	1	1
105	570 37 00		Con.term.board unit	1	1
106	94 05 88		Insulating hose D=16 MM	*	*
106	94 03 33		Shrink hose ID=3.2 MM	*	*
106	94 03 34		Shrink hose ID=6.4 MM	*	*
107	94 13 64		Insulating hose DIAM.25; CLASS H180/4KV	*	*
108	580 28 00		Plate spring	2	2
109	83 93 95		Protective cap 12X10.5 MM PE	2	2

Pos. No	Part. No	Type	Denomination	Qty/Version	
				412	492
109	83 93 96		Protective cap 13X12 MM PE	6	6
111	84 18 03		Seal sleeve (23)-26 MM NBR	2	2
111	84 18 04		Seal sleeve (26)-29 MM NBR	2	2
111	84 18 01		Seal sleeve (17)-20 MM NBR	2	2
111	84 18 05		Seal sleeve (29)-32 MM NBR	2	2
111	84 18 06		Seal sleeve (32)-35 MM NBR	2	2
111	84 18 02		Seal sleeve (20)-23 MM NBR	2	2
111	84 19 40		Seal sleeve (14)-17 MM FPM	2	
111	84 19 42		Seal sleeve (20)-23 MM FPM	2	2
111	84 19 43		Seal sleeve (23)-26 MM FPM	2	2
111	427 13 00		Marking tape		1
112	597 98 02		Sleeve	1	1
114	82 42 72		Plain washer 34.5X52X2-A4-70	4	4
114	82 42 73		Plain washer 35.5X52X2-A4-70	4	4
114	82 42 71		Plain washer 32.5X52X2-A4-70	4	
119	82 74 65		O-ring 59.5X3 NBR	1	1
119	82 80 90		O-ring 59.5X3 FPM	1	1
121	642 17 03	(Ex)	Entrance flange	1	1
121	597 87 01	(Ex)	Entrance flange ISO G1 1/4, (17)-23 MM	1	1
121	597 87 08	(Ex)	Entrance flange 2-11.5 NPT, (17)-23 MM	1	1
122	618 81 03		Entrance flange		1
	122,1 82 35 77		Plain washer 13X24X2.5-A4-170HV		10
	122,2 83 03 50		Hex.socket hd screw M12X50-A4-70		2
	122,3 618 80 03		Entrance flange (14)-35 MM		1
	122,4 728 40 01		Plate		1
123	82 97 73		Cap 23X45 MM PVC	1	1
123	82 97 74		Cap 24X45 MM PVC	1	1
123	82 97 76		Cap 26X45 MM PVC	1	1
123	82 97 67		Cap 17X25 MM PVC	1	1
123	82 97 71		Cap 21X45 MM PVC	1	1
123	82 97 66		Cap 16X25 MM PVC	1	
123	82 97 69		Cap 19X36 MM	1	1
124	638 46 01		Fixing plate compl. PP Mtrl:stainless steel (ASTM 316L) 100 x 100 mm Mtrl:stainless steel (ASTM 316L)	1	
124	639 03 01		Fixing plate compl. 100 x 150 mm Mtrl:stainless steel (ASTM 316L)	1	
124	638 46 03		Fixing plate compl. 100 x 100 mm Mtrl:stainless steel (ASTM 304) PP Mtrl:stainless steel (ASTM 304)	1	
124	639 03 03		Fixing plate compl. 100 x 150 mm Mtrl:stainless steel (ASTM 304)	1	

Pos. No	Part. No	Type	Denomination		Qty/Version	
					412	492
124	638 46 11	(Ex)	Fixing plate compl.	100 x 100 mm Mtrl:stainless steel (ASTM 316L) PP Mtrl:stainless steel (ASTM 316L)		1
124	639 03 11	(Ex)	Fixing plate compl.	100 x 150 mm Mtrl:stainless steel (ASTM 316L)		1
124	638 46 13	(Ex)	Fixing plate compl.	100 x 100 mm Mtrl:stainless steel (ASTM 304) PP Mtrl:stainless steel (ASTM 304)		1
124	639 03 13	(Ex)	Fixing plate compl.	100 x 150 mm Mtrl:stainless steel (ASTM 304)		1
125	786 49 01	(Ex)	Fixing plate compl.		1	1
126	83 09 36		Plug D54XH27			2
126	83 09 38		Plug D51XH27			2
127	618 31 00		Gasket		1	1
128	630 68 00		Data plate USE 6306801 AS SPARE PART		2	2
128	775 04 00		Connection plate		1	1
128	630 76 00		Plate HOT WATER PRODUCT		1	1
128	630 69 00		Certificate plate EN			2
128	630 70 00		Certificate plate FM			2
128	801 03 04		Name plate	CSAEx		1
128	801 04 00		Caution plate	CSAEx		1
129	482 01 01		Cable supp.grip unit		1	1
129	482 01 03		Cable supp.grip unit		1	1
129	83 57 25		Cable support grip 25-36MM		1	1
130	94 20 56		Motor cable subcab 4G6+2X1.5		*	*
130	94 19 81		Motor cable subcab 4G10+S(2X0.5)		*	*
130	94 19 82		Motor cable subcab 4G16+S(2X0.5)		*	*
130	94 20 59		Motor cable subcab 4G2.5+2X1.5		4	4
130	94 19 91		Motor cable subcab S3X6+3X6/3+S(4X0.5)		*	*
130	94 20 94		Motor cable hcr 7X6	S07E6E5-F7G6	*	
130	94 20 96		Motor cable hcr 4G16+2X1,5	S07E5E5-F4G16+2x1,5	*	*
130	94 20 97		Motor cable hcr 4G25+2X1,5	S07E5E5-F4G25+2x1,5	*	*
131	83 45 59		Cable tie 200X2.4 PA 6/6 -55+105		1	1
135	631 63 00		Plate PE-HD		1	
135	631 63 01		Plate PVDF			1
136	582 32 01		Square nut SS			1
138	610 69 01		Plate 80x20x12			1
139	618 45 01		Plate			1
145	83 04 62		Hex.socket hd screw M10X30-A4-80		4	4
146	82 50 16		Lock washer		4	4
146	82 50 16		Lock washer		6	6
147	630 83 00		Sleeve SS		4	4
152	603 60 00		Cable unit		1	
153	505 12 00		Leakage sensor (CLS30)		1	

Pos. No	Part. No	Type	Denomination	Qty/Version		
				412	492	
154	518 89 02		Leakage sensor (FLS)	1	1	
155	624 11 00		Bracket WIRE,DIAM.2	1	1	
156	94 05 88		Insulating hose D=16 MM	*		
190	611 44 00		Instruction label	1	1	
200	83 09 36		Plug D54XH27	2		
200	83 09 38		Plug D51XH27	2		
203	82 35 76		Plain washer 10.5X20X2-A4-170HV	4	4	
203	82 35 76		Plain washer 10.5X20X2-A4-170HV	1	1	
203	82 35 76		Plain washer 10.5X20X2-A4-170HV	7	7	
203	82 35 76		Plain washer 10.5X20X2-A4-170HV	9	9	
203	82 35 76		Plain washer 10.5X20X2-A4-170HV	10	10	
203	82 35 76		Plain washer 10.5X20X2-A4-170HV	8	8	
204	82 27 28		Lock nut M10-A4-70	4	4	
204	82 27 28		Lock nut M10-A4-70	1	1	
204	82 27 28		Lock nut M10-A4-70	7	7	
204	82 27 28		Lock nut M10-A4-70	9	9	
204	82 27 28		Lock nut M10-A4-70	10	10	
204	82 27 28		Lock nut M10-A4-70	13	13	
204	82 27 28		Lock nut M10-A4-70	8	8	
205	597 70 01		Lifting handle unit	1	1	
205	83 02 00		Hex.socket hd screw M10X50-A4-80	1	1	
205	83 02 00		Hex.socket hd screw M10X50-A4-80	5	5	
205	83 02 00		Hex.socket hd screw M10X50-A4-80	9	9	
206	695 17 01		Handle unit	1	1	
207	704 96 01		Vortex unit	Material: stainless steel (ASTM 316L)	1	1
207	704 96 03		Vortex unit	Material: stainless steel (ASTM 304)	1	1
208	694 33 01		Protect.disc compl.		1	1
210	694 30 01		Jet ring compl.	Material: stainless steel (ASTM 316L)	1	1
210	645 17 01		Jet ring compl.	Material: stainless steel (ASTM 316L) Divided Jet ring	1	1
210	730 27 03		Jet ring compl.	Material: stainless steel (ASTM 304) Extended jetring Support	1	1
210	694 30 03		Jet ring compl.	Material: stainless steel (ASTM 304)	1	1
211	82 26 50		Shackle		1	1
215	788 79 00		Support		1	1
220	703 26 01		Lifting handle compl		1	1
224	703 64 01		Inlet cone compl.	PP Material: stainless steel (ASTM 316L)	1	1
224	703 64 03		Inlet cone compl.	PP Material: stainless steel (ASTM 304)	1	1
225	719 07 01		Flange unit		1	
225	719 08 01		Flange unit		1	
225	719 42 01		Flange unit		1	
227	613 68 04		Guide bracket unit STAINLESS		1	1
250	726 11 00		Fastening kit		1	1

Pos. No	Part. No	Type	Denomination	Qty/Version	
				412	492
400	667 40 01		Sticker	2	2
800	80 32 94		O-ring kits NBR	1	1
800	80 32 95		O-ring kits FPM	1	1
801	466 26 18		Zinc anode kit	1	1
801	466 26 19		Zinc anode kit	1	1
801	466 26 37		Zinc anode kit	1	1
801	466 26 40		Zinc anode kit	1	1
810	640 25 04		Rebuilding kit	1	
900	731 94 01		Repair kit FOR PP PUMPS	1	1
900	731 94 03		Repair kit FOR PP PUMPS	1	1
900	816 26 00		Basic repair kit	1	1
900	816 27 00		Basic repair kit	1	1
900	816 28 00		Basic repair kit	1	1
900	816 29 00		Basic repair kit	1	1
900	816 30 00		Basic repair kit	1	1
900	816 31 00		Basic repair kit	1	1
901	90 17 52		Oil ISO VG 32	*	*
902	90 20 58		Grease PAIL 16KG	*	*
912	82 76 85		O-ring 17X3 NBR	2	2
912	82 79 15		O-ring 17X3 FPM	2	2