



Flygt 2190.010

Table of Contents

1	Introduction.....	2
1.1	Specially approved products.....	2
2	Product Description.....	3
2.1	Products included.....	3
2.2	Product denomination.....	3
3	Exploded View.....	4
3.1	2190.010.....	4
4	Spare Parts.....	5
4.1	2190.010.....	5

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 Products included

Pump model	Standard	EX	MSHA	Drainage	Sludge
2190.010	X			X	

2.2 Product denomination

Reading instruction

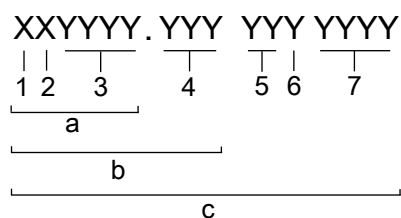
In this section, code characters are illustrated accordingly:

X = letter

Y = digit

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

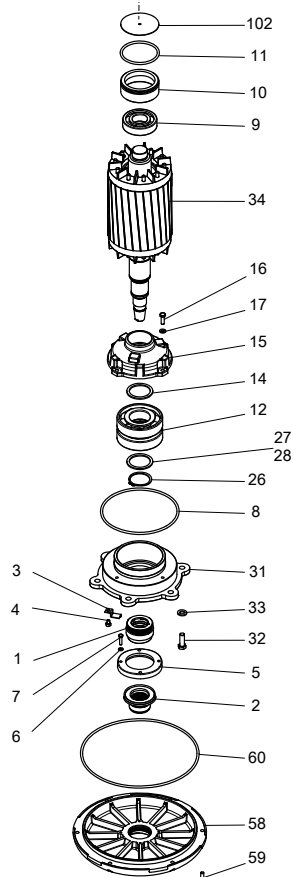
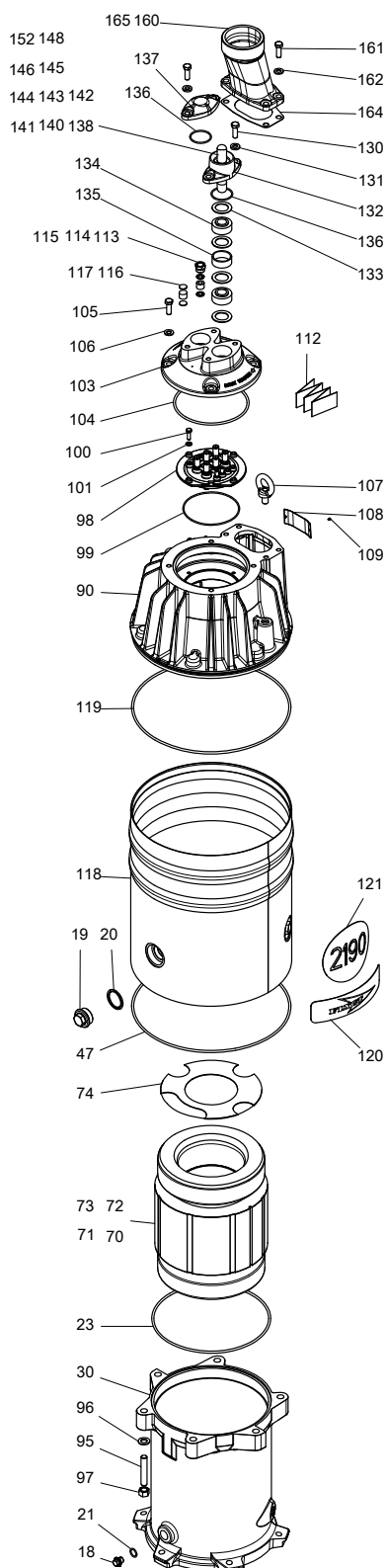
Codes and parameters



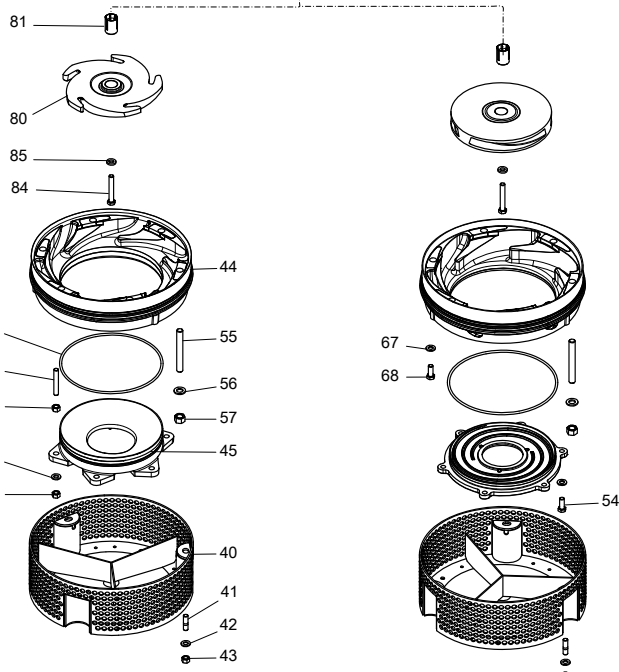
Type of Callout	Number	Indication
Type of code	a	Sales denomination
	b	Product code
	c	Serial number
Parameter	1	Hydraulic end
	2	Type of installation
	3	Sales code
	4	Version
	5	Production year
	6	Production cycle
	7	Running number

3 Exploded View

3.1 2190.010



HT



20275A_2190.010_HT_expl_view

4 Spare Parts

4.1 2190.010

Pos. No	Part. No	Denomination	Qty/Version
			010
1	640 63 30	Mechanical seal	1
2	586 74 02	Mechanical seal	1
3	713 36 00	Lock washer	1
5	426 52 00	Connection flange	1
6	82 35 73	Plain washer 6-A4-170	4
7	81 48 30	Hexagon head screw M6X25-A4-70	4
8	82 74 92	O-ring 194.3X5.7 NBR	1
9	81 79 45	Ball bearing 40X90X23	1
10	336 81 00	Bearing guide	1
11	82 74 10	O-ring 89.1X5.7 NBR	1
12	84 23 17	Ball bearing 55X120X29	2
13	90 20 54	Grease	*
14	82 44 19	Supporting washer 55X68X3	1
15	336 29 02	Bearing cover	1
16	81 41 06	Hexagon head screw M8X25-A2-70	4
17	82 35 16	Plain washer 8-A2-170	4
18	428 22 17	Inspection screw BRASS	3
19	82 70 38	Plug	3
20	82 73 73	Seal washer 57.15X45.34X3.25	3
21	82 73 90	O-ring 19.2X3 NBR	3
22	90 17 52	Oil ISO VG 32	5
23	82 75 03	O-ring 299.3X5.7 NBR	1
26	82 59 12	Retaining ring SGA 55	1
27	343 27 01	Washer 0.2 MM	2
28	82 44 19	Supporting washer 55X68X3	1
30	789 66 01	Stator housing	1
31	713 37 00	Bearing housing	1
32	81 41 56	Hexagon head screw M12X35-A2-70	6
33	82 35 20	Plain washer 12-A2-170	6
34	789 40 00	Shaft unit	1
40	338 80 02	Strainer compl.	1
41	80 95 28	Stud M12X30-A2-70	3
42	82 35 20	Plain washer 12-A2-170	3
43	82 23 59	Hexagon nut M12-A2-70	3
44	789 14 00	Diffuser coat.	Diffusor material: NBR Applicable to impeller type: Closed1
44	789 14 01	Diffuser coat.	Diffusor material: Polyurethane rubber (PU) Applicable to impeller type: Closed1
44	336 55 00	Diffuser coat.	Diffusor material: NBR Applicable to impeller type: Semi-open1

Pos. No	Part. No	Denomination		Qty/Version
				010
44	336 55 04	Diffuser coat.	Diffusor material: Polyurethane rubber (PU) Applicable to impeller type: Semi-open	1
45	789 28 00	Suction cover	Diffusor material: NBR Applicable to impeller type: Closed	1
			Diffusor material: Polyurethane rubber (PU) Applicable to impeller type: Closed	
45	380 04 03	Suction cover	Diffusor material: NBR Applicable to impeller type: Semi-open	1
45	380 04 05	Suction cover	Diffusor material: Polyurethane rubber (PU) Applicable to impeller type: Semi-open	1
46	82 75 00	O-ring 269.3X5.7 NBR	Applicable to impeller type: Closed	1
46	82 74 99	O-ring 259.3X5.7 NBR	Applicable to impeller type: Semi-open	1
47	82 75 08	O-ring 399.3X5.7 NBR		1
48	84 46 56	Stud M12X80-A2-70		6
49	82 23 59	Hexagon nut M12-A2-70		6
52	82 23 59	Hexagon nut M12-A2-70		6
53	82 35 20	Plain washer 12-A2-170		6
54	81 41 55	Hexagon head screw M12X30-A2-70		6
55	80 95 64	Stud M16X110-A2-70		6
56	82 35 23	Plain washer 16-A2-A-170		6
57	82 23 61	Hexagon nut M16-A2-70		6
58	336 57 06	Oil housing coated	Diffusor material: NBR	1
58	336 57 09	Oil housing coated	Diffusor material: Polyurethane rubber (PU)	1
59	82 00 32	Hex.socket hd screw M8X20-A2-70		6
60	82 75 02	O-ring 289.3X5.7 NBR		1
67	82 35 20	Plain washer 12-A2-170		2
68	81 41 55	Hexagon head screw M12X30-A2-70		2
70	647 43 02	Stator 25-18-2a	Stator 6-leads 3-phase 50 Hz 2-poles 220V-230V D 380V-400V Y	1
70	647 43 11	Stator 25-18-2a	Stator 12-leads 3-phase 60 Hz 2-poles 220V-230V D//	1
			Stator 12-leads 3-phase 60 Hz 2-poles 440V-460V DSER 380V-400V Y//	
70	647 43 01	Stator 25-18-2a	Stator 6-leads 3-phase 50 Hz 2-poles 415V-440V D	1
			Stator 6-leads 3-phase 50 Hz 2-poles 380V-400V D 660V-690V Y	
			Stator 6-leads 3-phase 60 Hz 2-poles 440V-480V D	
70	647 43 07	Stator 25-18-2a	Stator 6-leads 3-phase 50 Hz 2-poles 500V D	1
			Stator 6-leads 3-phase 60 Hz 2-poles 575V-600V D	
70	647 43 12	Stator 25-18-2a	Stator 6-leads 3-phase 50 Hz 2-poles 525V-550V D 1000V Y	1
71	83 42 36	End sleeve 0.75 MM2; L=6 MM		2

Pos. No	Part. No	Denomination	Qty/Version
			010
72	83 42 30	End sleeve 6 MM2; L=10 MM	6
72	83 42 29	End sleeve 4 MM2; L=10 MM	6
72	83 42 28	End sleeve 2.5 MM2; L=7 MM	6
73	94 05 17	Insulating hose D=20 MM	*
74	271 10 00	Protective disc	1
80	808 21 00	Impeller	1
		B-impeller Closed 50Hz 3-phase Material Hard-Iron TM Curve code: 251	
80	808 21 01	Impeller	1
		B-impeller Closed 60Hz 3-phase Material Hard-Iron TM Curve code: 253	
80	414 38 06	Impeller	1
		B-impeller Semi-open 50Hz 3-phase Material Hard-Iron TM Curve code: 259	
80	414 39 07	Impeller	1
		B-impeller Semi-open 50Hz 3-phase Material Hard-Iron TM Curve code: 261	
		B-impeller Semi-open 60Hz 3-phase Material Hard-Iron TM Curve code: 261	
80	475 36 12	Impeller	1
		B-impeller Semi-open 50Hz 3-phase Material stainless steel (ASTM 316L) Curve code: 270	
80	475 36 13	Impeller	1
		B-impeller Semi-open 60Hz 3-phase Material stainless steel (ASTM 316L) Curve code: 271	
81	720 14 01	Sleeve unit	1
84	81 56 93	Hexagon head screw M12X80-A4-80	1
85	82 37 05	Plain washer 12-A2-170	1
90	336 51 02	Bearing housing upp.	1
95	80 95 56	Stud M16X70-A2-70	6
96	82 35 23	Plain washer 16-A2-A-170	6
97	82 23 61	Hexagon nut M16-A2-70	6
98	426 82 00	Con.term.board unit	1
99	82 74 81	O-ring 139.5X3 NBR	1
100	81 41 06	Hexagon head screw M8X25-A2-70	4
101	82 35 16	Plain washer 8-A2-170	4
102	336 75 00	Plate	1
103	789 36 00	Cover	1
		Auxiliary cable entry: No Auxiliary cable: N/A	
103	789 36 01	Cover	1
		Auxiliary cable entry: Yes Auxiliary cable: Plugged	
104	82 74 90	O-ring 184.3X5.7 NBR	1
105	81 41 56	Hexagon head screw M12X35-A2-70	4
106	82 35 20	Plain washer 12-A2-170	4
107	82 30 92	Lifting eye bolt M16	2
108	630 68 00	Data plate USE 6306801 AS SPARE PART	1
109	82 20 88	Drive screw 4X5-A2/A4	2
110	340 71 00	Instruction plate	1
112	775 13 04	Connection plate	1
113	305 98 00	Gland screw	1
114	82 40 50	Plain washer 12.5X20.5X2-A2-70	2

Pos. No	Part. No	Denomination	Qty/Version
			010
115	84 35 25	Seal sleeve (10)-12 MM	1
116	282 96 00	Plate	2
117	282 95 00	Plug	1
118	336 88 00	Outer casing compl.	1
119	82 75 08	O-ring 399.3X5.7 NBR	1
120	667 40 01	Sticker	2
121	800 31 00	Sticker	2
130	81 41 56	Hexagon head screw M12X35-A2-70	4
131	82 37 05	Plain washer 12-A2-170	4
132	642 17 04	Entrance flange	2
132	642 17 04	Entrance flange	1
133	82 40 82	Plain washer (32)-34 MM	4-8
133	82 40 69	Plain washer (33)-35 MM	4-8
133	82 40 71	Plain washer (37)-39 MM	4
134	84 18 03	Seal sleeve (23)-26 MM	2-4
134	84 18 04	Seal sleeve (26)-29 MM	2-4
134	84 18 06	Seal sleeve (32)-35 MM	2-4
134	84 18 07	Seal sleeve (36)-38 MM	2
134	84 18 05	Seal sleeve (29)-32 MM	2
135	597 98 02	Sleeve	1-2
136	82 74 63	O-ring 49.5X3 NBR	2
137	789 37 00	Cover	1
138	94 19 80	Motor cable subcab 7G6+S(2X0,5) 24 - 26mm	*
138	94 19 81	Motor cable subcab 4G10+S(2X0,5) 24 - 26mm	*
138	94 19 82	Motor cable subcab 4G16+S(2X0,5) 26 - 28mm	*
138	94 19 83	Motor cable subcab 4G25+S(2X0,5) 32 - 34mm	*
138	94 19 84	Motor cable subcab 4G35+S(2X0,5) 35 - 37mm	*
138	94 21 09	Motor cable subcab 6AWG/3-2-1-GC 30 - 32mm	*
138	94 21 10	Motor cable 4AWG/3-2-1-GC 32,80 - 34,80mm	*
138	94 19 92	Motor cable subcab S3X10+3X10/3+S(4X0,5) 24 - 26mm	*
138	94 19 94	Motor cable subcab S3X25+3X16/3+S(4X0,5) 29 - 31mm	*
138	94 20 56	Motor cable subcab 4G6+2X1,5 24 - 26mm	*
139	82 97 74	Cap 24X45 MM PVC	1-2
139	82 97 76	Cap 26X45 MM PVC	1-2
139	82 97 81	Cap 32X45 MM PVC	1-2
139	82 97 84	Cap 35X45 MM PVC	1
139	82 97 80	Cap 30X45 MM PVC	1
139	82 97 82	Cap 33X45 MM PVC	1
140	81 48 52	Hexagon head screw	1-2
141	83 42 30	End sleeve 6 MM2; L=10 MM	6
141	83 42 35	End sleeve 10 MM2; L=12 MM	3-6
141	83 42 39	End sleeve 16 MM2; L=12 MM	3-6
141	83 42 34	End sleeve 25 MM2; L=15 MM	3-6

Pos. No	Part. No	Denomination	Qty/Version
			010
141	83 42 21	End sleeve 35 MM2; L=18 MM	3
141	82 42 39	Plain washer (16)-18 MM	3
142	83 42 38	End sleeve 1.5 MM2; L=7 MM	2
142	83 42 36	End sleeve 0.75 MM2; L=6 MM	2
142	83 42 30	End sleeve 6 MM2; L=10 MM	2
143	83 43 62	Cable lug UL/CSA 0.50-1.65 MM2 M6	1
143	83 43 59	Cable lug UL/CSA 2.62-6.64 MM2 M6	1
144	81 79 35	Cable lug 4-6 MM2 M8	1-2
144	81 79 31	Cable lug 10 MM2 M8	1-2
144	81 79 32	Cable lug 16 MM2 M8	1-2
144	81 79 34	Cable lug 25 MM2 M8	1-2
144	83 42 72	Cable lug 35 MM2 M102	1
145	94 03 30	Shrink hose ID= 12 MM	*
146	94 03 33	Shrink hose ID=3.2 MM	*
147	93 00 78	Shrink hose ID=9.5 MM	*
148	83 42 62	Closed-end splice 0.33-0.82(AWG 22-18) L=18	2
149	681 58 00	Plate SENSOR CONNECTED T1-T2	2
151	82 70 86	Cap 6X16 MM PVC	1
151	82 70 87	Cap 7X16 MM PVC	1
152	81 48 24	Hexagon head screw M6X12-A4-70	1
160	807 69 00	Discharge connection 4" HOSE	DN 100 aluminium
160	336 62 00	Discharge connection ISO G4A	DN 100 aluminium
160	336 62 02	Discharge connection NPT 4-8	DN 100 aluminium
161	81 41 56	Hexagon head screw M12X35-A2-70	4
162	82 35 20	Plain washer 12-A2-170	4
164	336 73 00	Gasket	1
165	83 19 34	Coupling part STORTZ ISO G4	1
170	608 23 03	Stand	1
800	789 45 00	O-ring kit	1
801	290 15 00	Zinc anode kit	1
816	789 41 08	Wear part kit	1
816	789 41 09	Wear part kit	1
816	789 41 10	Wear part kit	1
816	789 41 11	Wear part kit	1
817	789 43 00	Hydraulic repair kit HT CLOSED 50/60HZ NBR	1
817	789 43 01	Hydraulic repair kit HT CLOSED 50/60HZ PU	1
817	792 23 00	Hydraulic repair kit HT SEMI-OPEN 50/60HZ NBR	1
817	792 23 01	Hydraulic repair kit HT SEMI-OPEN 50/60HZ PU	1
900	797 89 00	Basic repair kit	1



ООО «Бауманс Групп» - официальный партнер фирмы Flygt в России.

Тел: +7 495 121 49 50

Эл. почта: info@baumgroup.ru

Сайт: www.baumgroup.ru