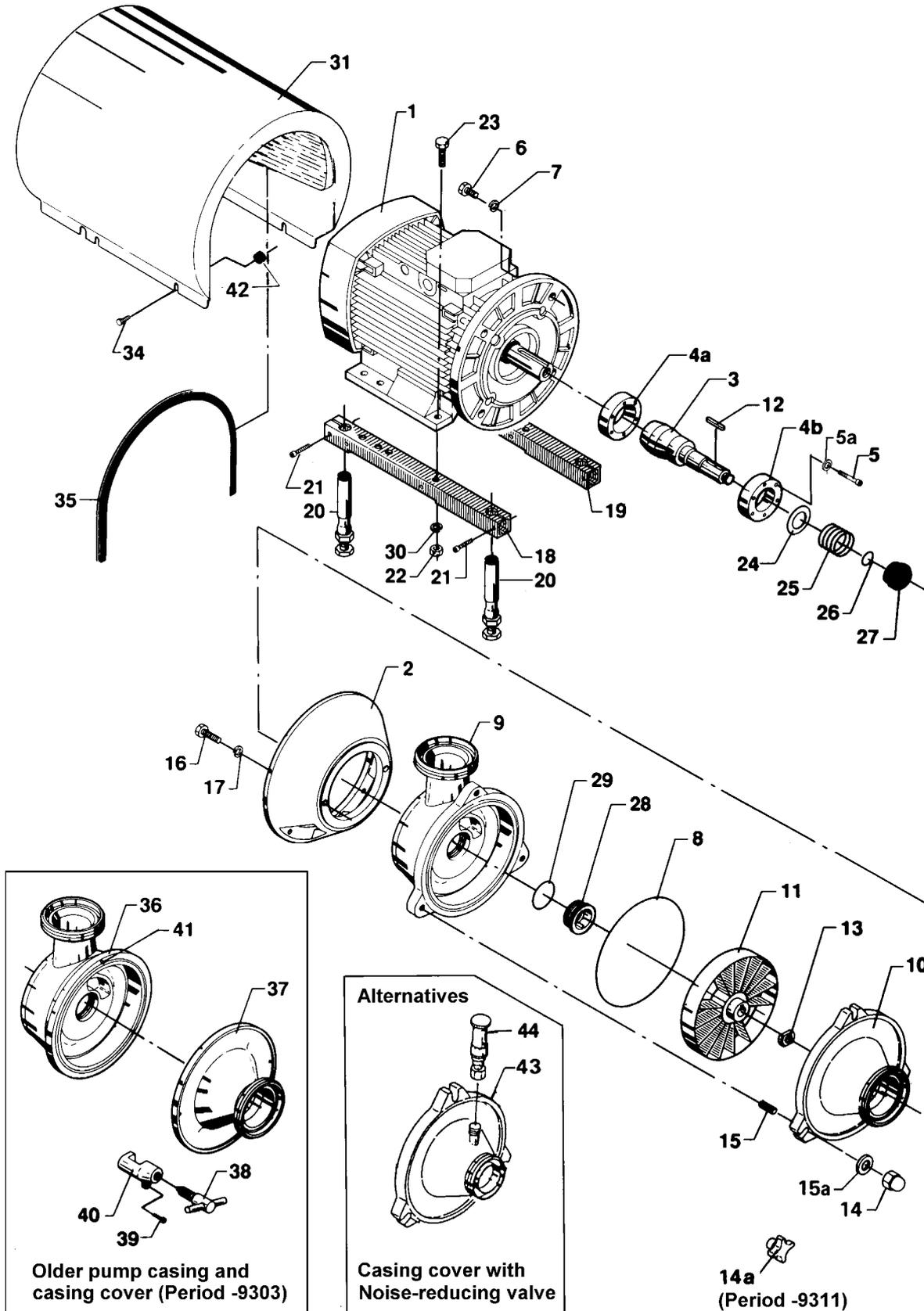


Liquid Ring Pump
Type MR-185S & MR-200S



Liquid Ring Pump
Type MR-185S & MR-200S



Pos.	Qty.	Denomination	MR-185S MR-200S	Pos.	Qty.	Denomination	MR-185S	MR-200S	Pos.	Qty.	Denomination	MR-185S		
2	1	Bracket	31438-0234-1	1	1	M2AA motor 5.5 kW 220/380V	9612-4028-21		Δ	1	Shaft seal, complete, EPDM (Standard)	31438-0206-1		
3	1	Shaft	31438-0236-1			220-240/380-420VD (Period 9310-)			25	1	Spring	31438-0057-1		
4a	1	Compression ring	9612-1337-05	1	1	*MBT motor 5.5 kW 220/380V	31801-8508-1		26	1	O-ring	260104-33		
4b	1	Compression ring	9612-1336-05			220-240/380-420VD			27	1	Rotating seal ring	31438-0056-1		
5	6	Screw	9611-99-3197	1	1	M2AA motor 5.5 kW	9612-4028-23		28	1	Stationary seal ring	31438-0071-1		
5a	6	Washer	9611-99-3199			380-420/660 VD (Period 9310-)			29	1	O-ring	260104-34		
6	4	Screw	9611-99-1825	1	1	*MBT motor 5.5 kW	31801-8508-3				Δ	1	Shaft seal, complete, NBR	31438-0206-2
7	4	Washer	9611-99-0676			380-420/660 VD			25	1	Spring	31438-0057-1		
8A	1	O-ring, EPDM (Standard)	31438-0130-4	1	1	M2AA motor 7.5 kW		9612-4028-35	26	1	O-ring	223406-51		
1	1	O-ring, NBR	31438-0130-1	1	1	*MBT motor 7.5 kW			27	1	Rotating seal ring	31438-0056-1		
1	1	O-ring, FPM	31438-0130-5	1	1	M2AA motor 7.5 kW		31801-8509-1	28	1	Stationary seal ring	31438-0071-1		
9	1	Pump casing with sanitary fittings. Connections 76 mm		1	1	*MBT motor 7.5 kW		9612-4028-37	29	1	O-ring	223406-60		
		ISO male	31438-0393-1	1	1	380-420/660 VD			31801-8509-3		Δ	1	Shaft seal, complete, FPM	31438-0206-3
		SMS	31438-0393-2			380-420/660 VD			25	1	Spring	31438-0057-1		
		DIN	31438-0393-3	10	1	Casing cover with sanitary fittings. Connections 76 mm			26	1	O-ring	260104-39		
		ISO clamp	31438-0393-4			ISO male	31438-0392-1	31438-0394-1	27	1	Rotating seal ring	31438-0056-1		
		BS	31438-0393-5			SMS	31438-0392-2	31438-0394-2	28	1	Stationary seal ring	31438-0071-1		
11	1	Impeller	31438-0034-1			DIN	31438-0392-3	31438-0394-3	29	1	O-ring	260104-19		
12	1	Key	190411			ISO clamp	31438-0392-4	31438-0394-4						
13	1	Nut	31438-0036-1			BS	31438-0392-5	31438-0394-5						
14	3	Cap nut (Period 9311-)	221851-15											
14a	3	Handle (Period -9311)	9611-99-2407											
15	3	Screw	9611-99-2408											
15a	3	Washer (Period 9311-)	9611-99-0706											
16	2	Screw	2210947-16											
17	2	Washer	223107-22											
18	1	Support bar, right, M2AA (Period 9310-)	9612-1322-06											
1	1	Support bar, right, MBT (Period 8909-9310)	9612-1322-02											
19	1	Support bar, left, M2AA (Period 9310-)	9612-1323-06											
1	1	Support bar, left, MBT (Period 8909-9310)	9612-1323-02											
20	4	Leg	9612-3967-01											
21	4	Screw (Period 9711-)	9611-99-0273											
22	4	Nut	9611-99-1907											
23	4	Screw	9611-99-0353											
24	1	Thrower	9611-99-1911											
30	4	Spring washer	31438-0045-1											
31	1	Shroud, M2AA (Period 9310-)	9611-99-1887											
1	1	Shroud, MBT (Period 8909-9310)	9612-1390-08											
34	4	Screw	9612-1390-04											
35	1	Edge list (included in pos. 31)	9611-99-3240											
42	4	Distance sleeve	9611-99-2737											
Accessories (Delivered with every new pump)														
1	1	Spanner for stationary seal ring	31438-0335-1											
Alternatives														
		Shaft seal, complete, EPDM SIC/SIC										31438-0206-4		
25	1	Spring										31438-0057-1		
26	1	O-ring										260104-33		
27	1	Rotating seal ring SIC										31438-0056-4		
28	1	Stationary seal ring SIC										31438-0071-2		
29	1	O-ring										260104-34		
Shaft seal, complete, NBR SIC/SIC														
25	1	Spring					9612-3878-11	9612-3878-11				31438-0206-5		
26	1	O-ring					9612-3878-12	9612-3878-12				31438-0057-1		
27	1	Rotating seal ring SIC					9612-3878-13	9612-3878-13				223406-51		
28	1	Stationary seal ring SIC					9612-3878-14	9612-3878-14				31438-0056-4		
29	1	O-ring					9612-3878-15	9612-3878-15				31438-0071-2		
							9612-3878-10	9612-3878-10				223406-60		
Shaft seal, complete, FPM SIC/SIC														
25	1	Spring					9612-3641-01	9612-3641-01				31438-0206-6		
26	1	O-ring										31438-0057-1		
27	1	Rotating seal ring SIC										260104-39		
28	1	Stationary seal ring SIC										31438-0056-4		
29	1	O-ring										31438-0071-2		
												260104-19		
Service kit, EPDM 9611-92-1081														
Service kit, NBR 9611-92-1082														
Service kit, FPM 9611-92-1083														
Parts marked with Δ are included in the Service kits.														
Older parts (Period -9103)														
36	1	Pump casing with sanitary fittings. Connections 76 mm												
		ISO male	31438-0221-1				31438-0221-1	31438-0221-1						
		SMS	31438-0221-2				31438-0221-2	31438-0221-2						
		DIN	31438-0221-3				31438-0221-3	31438-0221-3						
		ISO clamp	31438-0221-4				31438-0221-4	31438-0221-4						
		BS	31438-0221-5				31438-0221-5	31438-0221-5						
37	1	Casing cover with sanitary fittings. Connections 76 mm												
		ISO male	31438-0219-1				31438-0219-1	31438-0218-1						
		SMS	31438-0219-2				31438-0219-2	31438-0218-2						
		DIN	31438-0219-3				31438-0219-3	31438-0218-3						
		ISO clamp	31438-0219-4				31438-0219-4	31438-0218-4						
		BS	31438-0219-5				31438-0219-5	31438-0218-5						
38	2	Clamp screw	31452-0097-1				31452-0097-1	31452-0097-1						
39	2	Screw	221126-09				221126-09	221126-09						
40	2	Clamp	31438-0205-1				31438-0205-1	31438-0205-1						
41	1	Cylindrical pin	222111-13				222111-13	222111-13						