

M&R GASTRO SERVICE · REVISION 1.0

Technisches Servicedossier

Durchlaufspülmaschine mit Trockentunnel

Nur für qualifiziertes Servicepersonal. Vor Arbeiten alle Energiequellen trennen, sichern und die Spannungsfreiheit prüfen.

Geltungsbereich: MRG.2000-SAG-R · MRG.2000-SOL-L · MRG.3000-SAG-R · MRG.3000-SOL-L

01 Servicehinweise

- Explosionszeichnung und Ersatzteilliste im Handbuch (Kapitel G, Seite 10 ff.).
- Elektrischer Schaltplan im Handbuch (Kapitel H, Seite 18–21).

EXPLODED VIEW

Yes

WIRING

Yes

PARTS LIST

Yes

VISUAL PAGES

5

Installation, Anschluss, Wartung und Reparaturen dürfen nur durch qualifiziertes Fachpersonal erfolgen.

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Dossier technique service

Lave-vaisselle à convoyeur avec tunnel de séchage

Réservé au personnel technique qualifié. Avant toute intervention, couper, condamner et vérifier l'absence de toute énergie.

Champ d'application: MRG.2000-SAG-R · MRG.2000-SOL-L · MRG.3000-SAG-R · MRG.3000-SOL-L

01 Notes de service

- Vue éclatée et liste des pièces détachées dans le manuel (chapitre G, p. 10 et suivantes).
- Schéma électrique dans le manuel (chapitre H, p. 18–21).

EXPLODED VIEW

Yes

WIRING

Yes

PARTS LIST

Yes

VISUAL PAGES

5

L'installation, le raccordement, l'entretien et les réparations doivent être réalisés par du personnel qualifié.

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Dossier tecnico di assistenza

Lavastoviglie a nastro con tunnel di asciugatura

Riservato al personale tecnico qualificato. Prima di ogni intervento scollegare, bloccare e verificare l'assenza di tutte le fonti di energia.

Campo di applicazione: MRG.2000-SAG-R · MRG.2000-SOL-L · MRG.3000-SAG-R · MRG.3000-SOL-L

01 Note di assistenza

- Disegno esploso e elenco ricambi nel manuale (capitolo G, pag. 10 e seguenti).
- Schema elettrico nel manuale (capitolo H, pag. 18–21).

EXPLODED VIEW

Yes

WIRING

Yes

PARTS LIST

Yes

VISUAL PAGES

5

Installazione, collegamento, manutenzione e riparazioni devono essere eseguiti esclusivamente da personale qualificato.

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Technical service dossier

Conveyor-type dishwasher with drying tunnel

For qualified service personnel only. Before work, isolate, lock out and verify all energy sources are absent.

Scope: MRG.2000-SAG-R · MRG.2000-SOL-L · MRG.3000-SAG-R · MRG.3000-SOL-L

01 Service notes

- Exploded view and spare parts list are provided in the manual (Chapter G, page 10 ff.).
- Electric circuit diagram is provided in the manual (Chapter H, pages 18–21).

EXPLODED VIEW
Yes

WIRING
Yes

PARTS LIST
Yes

VISUAL PAGES
5

Installation, connection, maintenance and repairs must only be carried out by qualified personnel.

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MRG.2000-SAG-R · MRG.2000-SOL-L · MRG.3000-SAG-R · MRG.3000-SOL-L

Verified technical reference

01 EXPLODED P11

CONVEYOR TYPE DISHWASHER WITH DRYING TUNEL

G SPARE PART LIST-EXPLODING DRAWING

PRODUCT CODE:		2000-SAĞ-R /	2000-SOL-L
NO	NAME OF THE PRODUCT	PRODUCT CODE	
1	HOSE CLAMP (20-32MM)	ERS.M.MEK-TES-KLP-005	
2	HOSE CLAMP (12-20MM)	ERS.M.MEK-TES-KLP-002	
3	HOSE CLAMP (40-60MM)	ERS.M.MEK-TES-KLP-003	
4	HOSE CLAMP (25-40MM)	M.MEK-TES-KLP-004	
5	HOSE CLAMP (68-73MM)	ERS.M.MEK-TES-INX-010	
6	HOSE CLAMP (8-12MM)	M.MEK-TES-KLP-011	
7	DRYING FAN MOTOR	M.ELK-HVL-SFN-002	
8	220V/1500W DRYING RESISTANT	M.ELK-RZS-BRU-BYM-006	
9	RESISTANCE CONNECTION SHEET	YSC-ERS.BYM-LZ-0315	
10	DRYING FRONT TOP SHEET	YSC-ERS.BYM-PN-0252	
11	DRYING FAN CONNECTION SHEET	YSC-ERS.BYM-LZ-0313	
12	DRYING LOWER FRONT SHEET	YSC-ERS.BYM-PN-0253	
13	PLASTIC SLIDE	M.ENJ-ERS-PLS-BYM-117	
14	ENGINE TENSION SPRING	M.YAY-ERS-049	
15	GEAR ENGINE	M.ELK-MTR-RLM-004	
16	BOILER	ARA-ERS.BYM-0006	
17	ORING (7X57)	M.CNT-ORG-012	
18	BOILER RESISTANCE 380V-6000W	M.ELK-RZS-BRU-BYM-029	
19	RESISTANCE COVER	M.ENJ-ERS-PLS-BYM-028	
20	PROCESTAT HOSE	HTS-HRT-008	
21	AIR TRAP SHAFT	YTL-ERS.BYM-KS-0002	
22	ORING (2,5X11)	M.CNT-ORG-002	
23	AIR TRAP LOCATION	M.ENJ-ERS-PLS-BYM-015	
24	ORING (3X11)	M.CNT-ORG-003	
25	AIR TRAP	M.ENJ-ERS-PLS-BYM-019	
26	SMALL BUSHING ELEMENT	YTL-ERS.BYM-KS-0126	
27	RINSE HOSE	M.MEK-TES-HRT-093	
28	CONVEYOR MECHANISM	ARA-ERS.BYM-0019	
29	BEARING (6304 2RS C3)	M.RLM-NRM-028	
30	KAMA 6*6*61	M.KAM-6*6*61	
31	RING (471-20)	B-SEG-SYH-018	
32	FELT 20*52*10	M.CNT-KCE-028	
33	CONVEYOR PIN	YTL-ERS.BYM-KS-0049	
34	REDUCER SLEEVE	YDK-ERS.BYM-CN-0004	
35	SILICONE GASKET	M.ENJ-ERS-LST-026	
36	LARGE GEAR BUSH	YTL-ERS.BYM-KS-0117	
37	LID	ARA-ERS.BYM-0018	
38	DOOR HANDLE	ERS.M.AKS-KLP-INX-002	
39	DETERGENT ENTRY PLASTIC	M.PLS-ERS-036	
40	DRAIN PUMP	M.ELK-MTR-PMP-002	
41	DRAIN HOSE	M.MEK-TES-HRT-073	
42	GREEN WARNING LAMP	ERS.M.ELK-LMB-SNY-001	
43	YELLOW WARNING LAMP	ERS.M.ELK-LMB-SNY-003	
44	RED WARNING LAMP	M.ELK-LMB-SNY-009	
45	PANEL LABEL	M.AKS-ETK-LKS-ERS-BYM-	

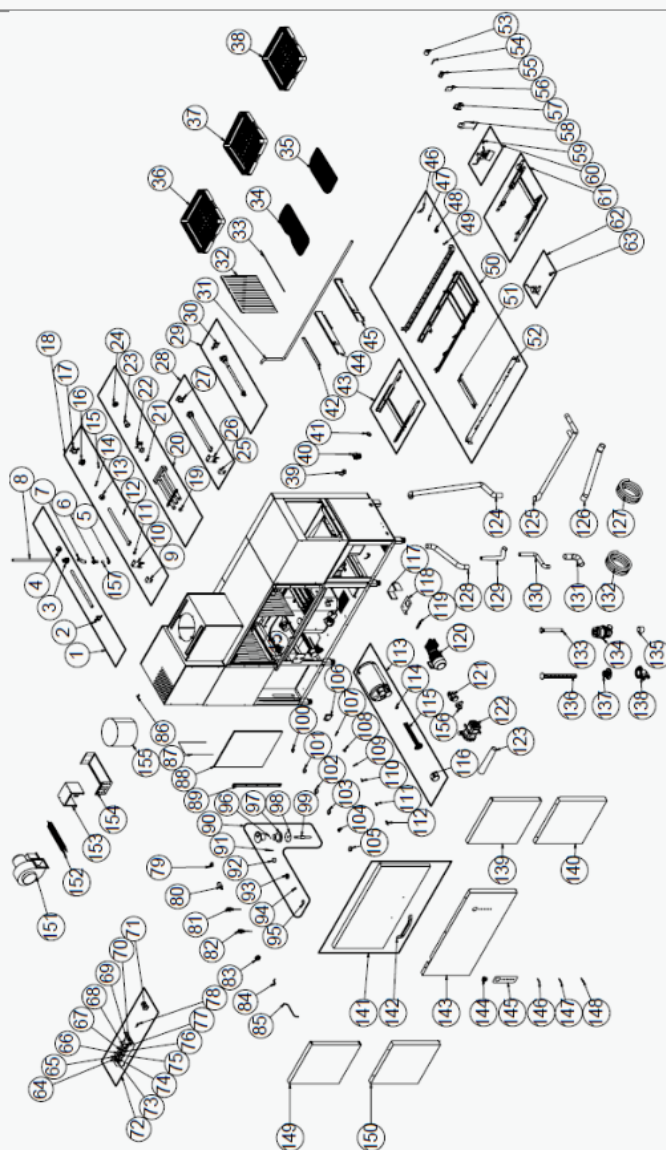
MRG.2000-SAG-R · MRG.2000-SOL-L · MRG.3000-SAG-R · MRG.3000-SOL-L

Verified technical reference

02 EXPLODED P14

CONVEYOR TYPE DISHWASHER WITH DRYING TUNEL

G SPARE PART LIST-EXPLODING DRAWING



3000-SAG-R / 3000-SOL-L

MRG.2000-SAG-R · MRG.2000-SOL-L · MRG.3000-SAG-R · MRG.3000-SOL-L

Verified technical reference

03 EXPLODED P15

CONVEYOR TYPE DISHWASHER WITH DRYING TUNEL

G SPARE PART LIST-EXPLODING DRAWING

PRODUCT CODE: 3000-SAĞ-R / 3000-SOL-L		
NO	NAME OF THE PRODUCT	PRODUCT CODE
1	RINSE BOTTOM SPRAY	ARA-ERS.BYM-0004
2	SUPPLY WATER INLET CONNECTION SHEET	YSC-ERS.BYM-LZ-0342
3	BOTTOM NUT PROVISION	M.ENJ-ERS-PLS-BYM-120
4	RINSE NUT	M.ENJ-ERS-PLS-BYM-118
5	INLET NUT	M.ENJ-ERS-PLS-BYM-131
6	CONNECTION PLASTIC	M.ENJ-ERS-PLS-BYM-130
7	SPRAY CONNECTION HOSE	M.MEK-TES-HRT-099
8	FRONT WASHER INTERMEDIATE PIPE	YBR-ERS.BYM-KS-0037
9	TOP SPRAY LOCK SHEET	YSC-ERS.BYM-PN-0272
10	TOP SPRAY CONNECTION SHEET	YSC-ERS.BYM-PN-0291
11	PIPE PLUG	YTL-ERS.BYM-KS-0083
12	RINSE STEP	YTL-ERS.BYM-KS-0044
13	RINSE NUT	M.ENJ-ERS-PLS-BYM-118
14	ORING Ø24,99*3.53	M.CNT-ORG-037
15	ORING (3X11)	M.CNT-ORG-003
16	UPPER NUT PROVISION	M.ENJ-ERS-PLS-BYM-119
17	SHOPPING SHEET	YSC-ERS.BYM-LZ-0429
18	RINSE TOP SPRAY	ARA-ERS.BYM-0003
19	ARM PLUG	YTL-ERS.BYM-KS-0047
20	MAIN WASH SPIN	ARA-ERS.BYM-0001
21	ORING 31.5*3.5	M.CNT-ORG-036
22	FOUNTAIN PRESSURE PIPE	YBR-ERS.BYM-KS-0036
23	WEDGE LOCATION	M.ENJ-ERS-PLS-BYM-011
24	WEDGE NUT	M.ENJ-ERS-PLS-BYM-012
25	TOP SWITCH LOCK SHEET	YSC-ERS.BYM-PN-0272
26	UPPER SUPPLY CONNECTION SHEET	YSC-ERS.BYM-PN-0291
27	SHOPPING SHEET	YSC-ERS.BYM-LZ-0429
28	UPPER SPIN	ARA-ERS.BYM-0002
29	PRE-WASH LOWER SPRAY	ARA-ERS.BYM-0005
30	WATER INLET CONNECTION SHEET	YSC-ERS.BYM-LZ-0342
31	VALVE HOSE	M.MEK-TES-HRT-098
32	CURTAIN	ERS.M.MUH-105
33	CURTAIN SHAFT	HDM-ML-304-5.80-005
34	BOILER FILTER PLASTIC	M.ENJ-ERS-PLS-BYM-121
35	FILTER PLASTIC	M.ENJ-ERS-PLS-BYM-116
36	PLATE BASKET	TB.01
37	SPOON FORK BASKET	KC.01
38	GLASS BASKET	3B.01
39	VALVE (14 LT)	M.ELK-SLN-PLS-001
40	ROTARY FEET	ERS.M.AKS-AYK-PLS-005
41	evacuation rubber	M.ENJ-ERS-LST-040
42	AIR VALVE SHEET	YSC-ERS.BYM-PN-0274
43	CONVEYOR DRYING	ARA-ERS.BYM-0016
44	FOUNTAIN UPPER LEFT SLIDE SHEET	YSC-ERS.BYM-LZ-0332
45	FOUNTAIN UPPER RIGHT SLIDE SHEET	YSC-ERS.BYM-LZ-0333
46	BASKET PUSHER SHEET	YSC-ERS.BYM-PN-0267
47	RING	YTL-ERS.BYM-KS-0082
48	CONVEYOR WHEEL	YTL-ERS.BYM-KS-0084
49	WASHING ELEMENT	YBR-ERS.BYM-KS-0043

MRG.2000-SAG-R · MRG.2000-SOL-L · MRG.3000-SAG-R · MRG.3000-SOL-L

Verified technical reference

04 WIRING P20

CONVEYOR TYPE DISHWASHER WITH DRYING TUNEL

H ELECTRIC CIRCUIT SCHEMA

2000 ELECTRIC CIRCUIT SCHEMA EXPLANATION

P1	3 Graded Contactor
C1	Phase Collation Contactor 220V
C2	Lid Contactor 220V
C10	Burner 1 Resistance Contactor 220V
C11	Burner 2 Resistance Contactor 220V
C12	Burner 3 Resistance Contactor 220V
C14	Washing Resistance Contactor 220V
C7	Auxiliary Relay Contactor 220V
C5	Conveyor 1.Speed Contactor 220V
C6	Conveyor 2. Speed Contactor 220V
C4	Conveyor Bridging Contactor 220V
C13	Drying Resistance Contactor 220V
C9	Drying Fan Contactor 220V
C8	Rinsing Contactor 220V
C7	Washing Contactor 220V
S1	Magnetic Lid Sensor
S2	Magnetic Rinsing Sensor
S3	Magnetic Termination Sensor
T1	Burner Resistance Control Thermostat 1 (30-90°C)
T2	Burner Resistance Control Thermostat 2 (30-90°C)
T3	Washing Resistance Control Thermostat (30-90°C)
T4	Drying Resistance Control Thermostat (60-200°C)
PR1	Prosestat 1 (Pressure Switch)
PR2	Prosestat 2 (Pressure Switch)
L1	Start Signal Lamp 220V
L3	Ready Signal Lamp 220V
L2	Washing Signal Lamp 220V
L4	Error Signal Lamp 220V
V	Solenoid Valve 220V
FKR.10	Phase Collation Relay 220V

MRG.2000-SAG-R · MRG.2000-SOL-L · MRG.3000-SAG-R · MRG.3000-SOL-L

Verified technical reference

05 WIRING P21

CONVEYOR TYPE DISHWASHER WITH DRYING TUNEL

TR1	Conveyor 1 Motor Safety Relay (1,6 - 2,4 A)
TR2	Conveyor 2 Motor Safety Relay (1,6 - 2,4 A)
TR5	Drying Fan Motor Safety Relay (1,6 - 2,4 A)
TR4	Rinsing Motor Safety Relay (1,6 - 2,4 A)

H ELECTRIC CIRCUIT SCHEMA

2000 ELECTRIC CIRCUIT SCHEMA EXPLANATION

TR3	Washing Motor Safety Relay (1,6 - 2,4 A)
RB1	Burner Resistance 1 (9000W 380V)
RB2	Burner Resistance 2 (9000W 380V)
RB3	Burner Resistance 3 (9000W 380V)
RK	Washing Resistance (9000W 380V)
RY	Drying Resistance (9000W 380V)
M1	Washing Motor Pump 0,55KW 2800 rpm 220V
M2	Washing Motor Pump 0,55KW 2800 rpm 220V
M3	Washing Motor Pump 0,55KW 2800 rpm 220V
M4	Double Speed Conveyor Motor 0,25-0,40 KW 1400-2800 rpm 380V
M5	Rinsing Pump 0,47KW 2800 rpm 220V
M6	Drying Fan Motor 0,55KW 2800 rpm 380V
M7	Cooler Fan 220V
F1	Burner Resistance 1 insurance 3x25 A.
F2	Burner Resistance 2 insurance 3x25 A.
F3	Burner Resistance 3 insurance 3x25 A.
F4	Drying Resistance insurance 3x25 A.
F5	Washing Resistance insurance 3x25 A.