



approved for manufacturing
subject to modifications

Checker: FLITTNEK

Date: 05.04.2022

pump element	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
segment type	K7	K7	K7	K7	K7	K7	K7	K7	K7	K7	K7	K7	K7	K7	K7
output [kg/h]	0,15	0,15	0,15	0,10	0,10	0,10	0,10	0,10	0,10	0,15	0,15	0,15	0,10	0,10	0,15
distance R [mm]	21,0	21,0	21,0	19,5	19,5	19,5	19,5	19,5	19,5	21,0	21,0	21,0	19,5	19,5	21,0

Fertigungsfreigabe.		04.03.2022	SCHWENDS	05.04.2022	FLITTNEK
Index	Revision			Date	Editor
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HERRENKNECHT AG Schlehenweg 2 D-77963 Schwanau Tel.: 07824/302-0 Fax: 07824/3403 info@Herrenknecht.de		 Tunnelvortriebstechnik		Type of drawing schematic	Project M-722M
Name FETTSHEMA MASCHINE M-722M EPB2000TB-2380PR				Material	
Date 04.03.2022		Name SCHWENDS		Draw ing no. 1187-46-010-00	Page no. Index 1 / 1
Checked 22.03.2022		Name SCHWENDS		Norm 40619985	Developed from
approved 05.04.2022		Name FLITTNEK		Weight/kg	Format A2

09.09.2022
[Structure]

Strukturstückliste Modular parts list



Projekt
Teilenummer 40619985
FETTSHEMA MASCHINE
Zeichnungsnr. 1187-46-010-00

Project
Part number 40619985
GREASE DIAGRAM MACHINE
Drawing no. 1187-46-010-00

Item	Operating resources structure	Document path	Material number	description	Designation	Drawing no.	Quantity
1	01P001	1E5	23500569	MEHRLEITUNGSPUMPE	MULTILINE PUMP	23500569	1,00 ST
1.1	Z4		23914132	GEHÄUSE	HOUSING		1,00 ST
1.1.1	Z1		23914133	RADIALWELLENDICHRING	ROTARY SHAFT LIP TYPE SEAL		1,00 ST
1.10	Z11		23914141	BEHÄLTER	TANK		1,00 ST
1.10.1	Z1		23914142	BEHÄLTER	TANK		1,00 ST
1.10.2	Z2		23914143	RÜHRFLÜGEL	STIR WING		1,00 ST
1.10.3	Z3		23914144	STEHFLÜGEL	UPRIGHT WING		1,00 ST
1.10.4	Z4		24000180	SCHEIBE A15-140HV-DIN125	WASHER A15-140HV-DIN125		1,00 ST
1.10.5	Z5		23914146	ZYLINDERSCHRAUBE	HEX.SOCKET HEAD CAP SCREW		1,00 ST
1.10.6	Z6-Z7		23914147	ZYLINDERSCHRAUBE	HEX.SOCKET HEAD CAP SCREW		2,00 ST
1.10.7	Z8-Z9		23914148	ROHRSCHELLE KUNSTSTOFF	PIPE CLAMP PLASTIC		2,00 ST
1.10.8	Z10		23914149	SICHERUNGSRING	CIRCLIP		1,00 ST
1.11	Z12		23914150	ZWISCHENBODEN	INTERMEDIATE FLOOR		1,00 ST
1.11.1	Z1		23914151	ZWISCHENBODEN	INTERMEDIATE FLOOR		1,00 ST
1.11.2	Z2		23914152	SICHERUNGSRING	CIRCLIP		1,00 ST
1.11.3	Z3		23914153	RILLENKUGELLAGER	DEEP GROOVE BALL BEARING		1,00 ST
1.12	Z13-Z17		24001415	ZYLINDERSCHRAUBE M5X20-8.8-DIN912	HEX.SOCKET HEAD CAP SCREW M5X20-8.8-DIN912		5,00 ST
1.13	Z18		24900009	SICHERUNGSRING	CIRCLIP		1,00 ST
1.2	Z5		24003302	VERSCHLUSSSCHRAUBE M22X1,5-5.8-DIN910	PLUG SCREW M22X1,5-5.8-DIN910		1,00 ST
1.20	Z1		23400105	ANTRIEBSEINHEIT	DRIVE UNIT		1,00 ST
1.20.1	M1		23000341	DREHSTROM-ASYNCHRONMOTOR	THREE-PHASE ASYNCHRON. MOTOR		1,00 ST
1.20.2	Z1		23909041	DICHRING	SEAL RING		1,00 ST
1.20.3	Z2-Z5		23914154	SCHRAUBE	SCREW		4,00 ST
1.20.4	G1		23400253	GETRIEBE	GEARBOX		1,00 ST
1.3	Z6		23914134	EXZENTERWELLE	ECCENTRIC SHAFT		1,00 ST
1.3.1	Z1		24900138	PASSFEDER	PARALLEL KEY		1,00 ST

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FETTSHEMA MASCHINE
Zeichnungsnr. 1187-46-010-00

Project
Part number 40619985
GREASE DIAGRAM MACHINE
Drawing no. 1187-46-010-00

Item	Operating resources structure	Document path	Material number	description	Designation	Drawing no.	Quantity
1.3.2	Z2		23914135	STECKERBSTIFT	TAPERED DOWEL PIN		1,00 ST
1.30	E1		26602087	NÄHERUNGSSCHALTER	PROXIMITY SWITCH		1,00 ST
1.4	Z7		23908614	MITNEHMERRING	ENTRAINER RING		1,00 ST
1.4.1	Z1		23913911	RILLENKUGELLAGER	DEEP GROOVE BALL BEARING		1,00 ST
1.4.2	Z2		23913912	MITNEHMERRING	ENTRAINER RING		1,00 ST
1.4.3	Z3		23914136	RILLENKUGELLAGER	DEEP GROOVE BALL BEARING		1,00 ST
1.5	Z8		24900386	SICHERUNGSRING	CIRCLIP		1,00 ST
1.6	Z9		23914170	VERSCHRAUBUNGSSATZ	SCREW CONNECTION SET		1,00 ST
1.6.1	Z1-Z4		23914137	SCHRAUBE	SCREW		4,00 ST
1.6.2	Z5-Z8		23914138	SECHSKANTMUTTER	HEX.NUT		4,00 ST
1.6.3	D1-D4		23914139	DICHTUNG	SEAL		4,00 ST
1.6.4	Z9-Z12		24000180	SCHEIBE A15-140HV-DIN125	WASHER A15-140HV-DIN125		4,00 ST
1.7	Z19		27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
1.8	Z2		23909040	DICHTRING	SEAL RING		1,00 ST
1.9	D1		28000980	O-RING	O-RING		1,00 ST
2	01V001	1B3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
3	01V002	1C3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
4	01V003	1C3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
5	01V004	1C3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
6	01V005	1E3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
7	01V006	1E3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
8	01V007	1E3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
9	01V008	1F3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
10	01V009	1F3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
11	01V010	1F3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
12	01V011	1C3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
13	01V012	1C3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
14	01V013	1C3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST

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Project
Part number 40619985
GREASE DIAGRAM MACHINE
Drawing no. 1187-46-010-00

Item	Operating resources structure	Document path	Material number	description	Designation	Drawing no.	Quantity
15	01V014	1B3	27101473	DRUCKBEGRENZUNGSVENTIL	PRESSURE LIMITING VALVE	24-2103-2272	1,00 ST
16	01Z001	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
17	01Z002	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
18	01Z003	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
19	01Z004	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
20	01Z005	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
21	01Z006	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
22	01Z007	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
23	01Z008	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
24	01Z009	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
25	01Z010	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
26	01Z011	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
27	01Z012	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST
28	01Z013	1E6	27100249	PUMPENELEMENT	PUMP ELEMENT		1,00 ST