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HERRENKNECHT AG Schlehenweg 2 D-77963 Schwanau Tel.: 07824/302-0 Fax: 07824/3403 Info@Herrenknecht.de		<b>HERRENKNECHT</b>  Tunnelvortriebstechnik		Type of drawing schematic	Project M-722M
Name SCHAUMANLAGE		Material M-722M EPB2000TB-2380PR			
Draw. no.	Date	Name	Page no.	Index	
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Norm	Article number	Developed from	Weight/kg	Format	
	40619988			A1	

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[Structure]

# Strukturstückliste Modular parts list



Projekt  
Teilenummer 40619988  
SCHAUMANLAGE  
Zeichnungsnr. 1187-47-060-00

Project  
Part number 40619988  
FOAM SYSTEM  
Drawing no. 1187-47-060-00

Item	Operating resources structure	Document path	Material number	description	Designation	Drawing no.	Quantity
34	07P001	1B9	40438682	KREISELPUMPENEINHEIT	CENTRIFUGAL PUMP UNIT	40438682_VEREINFACHT	1,00 ST
34.412			23915093	O-RING	O-RING		2,00 ST
34.433			23915091	GLEITRINGDICHTUNG	MECHANICAL SEAL		1,00 ST
35	07S001	1B7	40263752	MASSEDURCHFLUSSMESSER THERM.	MASS FLOWMETER THERMAL		1,00 ST
36	07S003	1B7	40284758	DURCHFLUSSMESSER	FLOWMETER	40284758	1,00 ST
37	07S005	1B4	27500080	MANOMETER	PRESSURE GAUGE	27500080	1,00 ST
38	07S007	1B6	27500159	MANOMETER	PRESSURE GAUGE	27500159	1,00 ST
39	07S010	1B6	27500159	MANOMETER	PRESSURE GAUGE	27500159	1,00 ST
40	07S011	1B8	27500159	MANOMETER	PRESSURE GAUGE	27500159	1,00 ST
41	07S012	1C11	27500154	MANOMETER	PRESSURE GAUGE	27500154	1,00 ST
41.1	Z1		27902775	KLEMMBÜGEL	CLAMPING STRAP		1,00 ST
42	07S013	1B11	27500154	MANOMETER	PRESSURE GAUGE	27500154	1,00 ST
42.1	Z1		27902775	KLEMMBÜGEL	CLAMPING STRAP		1,00 ST
43	07S015	1B4	27501955	DRUCKMESSUMFORMER	PRESSURE TRANSDUCER	27501955	1,00 ST
44	07S018	1E4	27502263	DRUCKMESSUMFORMER MEMBRAN	PRESSURE TRANSDUCER MEMBRANE	27502263	1,00 ST
45	07S019	1E1	40375610	DRUCKMESSUMFORMER MEMBRAN	PRESSURE TRANSDUCER MEMBRANE	40375610	1,00 ST
46	07S020	1B1	40375610	DRUCKMESSUMFORMER MEMBRAN	PRESSURE TRANSDUCER MEMBRANE	40375610	1,00 ST
47	07S021	1C7	40263752	MASSEDURCHFLUSSMESSER THERM.	MASS FLOWMETER THERMAL		1,00 ST
48	07S022	1C7	40284758	DURCHFLUSSMESSER	FLOWMETER	40284758	1,00 ST
49	07S023	1C6	27500159	MANOMETER	PRESSURE GAUGE	27500159	1,00 ST
50	07S024	1C6	27500159	MANOMETER	PRESSURE GAUGE	27500159	1,00 ST
51	07S025	1C4	27501955	DRUCKMESSUMFORMER	PRESSURE TRANSDUCER	27501955	1,00 ST
52	07S026	1C4	27500080	MANOMETER	PRESSURE GAUGE	27500080	1,00 ST
21	07V001	1C6	40387610	RÜCKSCHLAGVENTIL	CHECK VALVE		1,00 ST
22	07V002	1C4	40387619	RÜCKSCHLAGVENTIL	CHECK VALVE		1,00 ST
23	07V003	1C8	40387615	RÜCKSCHLAGVENTIL	CHECK VALVE		1,00 ST
1	07V010	1B4	27600328	KUGELHAHN	BALL VALVE	27600328	1,00 ST
1.1	Z1		27902541	SCHALTHEBEL	SWITCHING LEVER		1,00 ST

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Project  
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FOAM SYSTEM  
Drawing no. 1187-47-060-00

Item	Operating resources structure	Document path	Material number	description	Designation	Drawing no.	Quantity
2	07V011	1E3	27600328	KUGELHAHN	BALL VALVE	27600328	1,00 ST
2.1	Z1		27902541	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
3	07V012	1F2	27600328	KUGELHAHN	BALL VALVE	27600328	1,00 ST
3.1	Z1		27902541	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
4	07V013	1F2	27600328	KUGELHAHN	BALL VALVE	27600328	1,00 ST
4.1	Z1		27902541	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
5	07V014	1E4	27600328	KUGELHAHN	BALL VALVE	27600328	1,00 ST
5.1	Z1		27902541	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
6	07V015	1F2	27600328	KUGELHAHN	BALL VALVE	27600328	1,00 ST
6.1	Z1		27902541	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
7	07V016	1F3	27600328	KUGELHAHN	BALL VALVE	27600328	1,00 ST
7.1	Z1		27902541	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
8	07V017	1C11	27600330	KUGELHAHN	BALL VALVE		1,00 ST
8.1	Z1		27902543	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
9	07V018	1E2	27600330	KUGELHAHN	BALL VALVE		1,00 ST
9.1	Z1		27902543	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
10	07V019	1C1	27600330	KUGELHAHN	BALL VALVE		1,00 ST
10.1	Z1		27902543	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
11	07V020	1D2	27600330	KUGELHAHN	BALL VALVE		1,00 ST
11.1	Z1		27902543	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
12	07V021	1D2	27600330	KUGELHAHN	BALL VALVE		1,00 ST
12.1	Z1		27902543	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
13	07V024	1B11	27600045	MUFFENKUGELHAHN	SOCKET BALL VALVE		1,00 ST
13.200	Z1		27902543	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
14	07V027	1B7	40107364	MUFFENKUGELHAHN	SOCKET BALL VALVE	40107364	1,00 ST
14.1			40234335	KUGELHAHN	BALL VALVE		1,00 ST
14.2			40234389	DREHANTRIEB PNEUMATIK	ROTARY DRIVE PNEUMATIC		1,00 ST
14.3			40234405	WEGEVENTIL PNEUMATIK	DIRECTIONAL VALVE PNEUMATIC		1,00 ST
14.3.1			27902779	ELEKTROMAGNET	ELECTROMAGNET		1,00 ST

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Projekt  
Teilenummer 40619988  
SCHAUMANLAGE  
Zeichnungsnr. 1187-47-060-00

Project  
Part number 40619988  
FOAM SYSTEM  
Drawing no. 1187-47-060-00

Item	Operating resources structure	Document path	Material number	description	Designation	Drawing no.	Quantity
15	07V028	1B7	40107364	MUFFENKUGELHAHN	SOCKET BALL VALVE	40107364	1,00 ST
15.1			40234335	KUGELHAHN	BALL VALVE		1,00 ST
15.2			40234389	DREHANTRIEB PNEUMATIK	ROTARY DRIVE PNEUMATIC		1,00 ST
15.3			40234405	WEGEVENTIL PNEUMATIK	DIRECTIONAL VALVE PNEUMATIC		1,00 ST
15.3.1			27902779	ELEKTROMAGNET	ELECTROMAGNET		1,00 ST
16	07V029	1A9	40107364	MUFFENKUGELHAHN	SOCKET BALL VALVE	40107364	1,00 ST
16.1			40234335	KUGELHAHN	BALL VALVE		1,00 ST
16.2			40234389	DREHANTRIEB PNEUMATIK	ROTARY DRIVE PNEUMATIC		1,00 ST
16.3			40234405	WEGEVENTIL PNEUMATIK	DIRECTIONAL VALVE PNEUMATIC		1,00 ST
16.3.1			27902779	ELEKTROMAGNET	ELECTROMAGNET		1,00 ST
17	07V030	1B9	40107367	MUFFENKUGELHAHN	SOCKET BALL VALVE		1,00 ST
17.1			40236063	KUGELHAHN	BALL VALVE		1,00 ST
17.2			40234391	DREHANTRIEB PNEUMATIK	ROTARY DRIVE PNEUMATIC		1,00 ST
17.3			40234405	WEGEVENTIL PNEUMATIK	DIRECTIONAL VALVE PNEUMATIC		1,00 ST
17.3.1			27902779	ELEKTROMAGNET	ELECTROMAGNET		1,00 ST
24	07V032	1B6	21000121	RÜCKSCHLAGVENTIL	CHECK VALVE	21000121	1,00 ST
25	07V034	1B8	21000014	RÜCKSCHLAGVENTIL	CHECK VALVE	21000014	1,00 ST
26	07V035	1B4	21000016	RÜCKSCHLAGVENTIL	CHECK VALVE	21000016	1,00 ST
27	07V037	1B9	21000016	RÜCKSCHLAGVENTIL	CHECK VALVE	21000016	1,00 ST
28	07V038	1B11	21000158	DRUCKMINDERER	PRESSURE REDUCER	21000158	1,00 ST
28.1			27000759	SIEB DRUCKMINDERER	SCREEN PRESSURE REDUCER		1,00 ST
28.2			29900731	SIEBTASSE	SCREEN BOWL		1,00 ST
29	07V039	1C11	21000158	DRUCKMINDERER	PRESSURE REDUCER	21000158	1,00 ST
29.1			27000759	SIEB DRUCKMINDERER	SCREEN PRESSURE REDUCER		1,00 ST
29.2			29900731	SIEBTASSE	SCREEN BOWL		1,00 ST
30	07V041	1B6	27102459	MOTORREGELVENTIL	MOTOR CONTROL VALVE	27102459	1,00 ST
30.1	M1		27900724	STELLANTRIEB ELEKTRISCH	POSITIONING DRIVE ELECTRIC		1,00 ST
30.2	V1		26400880	STELLVENTIL PNEUMATISCH	SERVO VALVE PNEUMATIC		1,00 ST
31	07V043	1B6	27102460	MOTORREGELVENTIL	MOTOR CONTROL VALVE	27102460	1,00 ST

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Projekt  
Teilenummer 40619988  
SCHAUMANLAGE  
Zeichnungsnr. 1187-47-060-00

Project  
Part number 40619988  
FOAM SYSTEM  
Drawing no. 1187-47-060-00

Item	Operating resources structure	Document path	Material number	description	Designation	Drawing no.	Quantity
31.1	M1		27900724	STELLANTRIEB ELEKTRISCH	POSITIONING DRIVE ELECTRIC		1,00 ST
31.2	V1		26400881	STELLVENTIL PNEUMATISCH	SERVO VALVE PNEUMATIC		1,00 ST
32	07V044	1C6	27102459	MOTORREGELVENTIL	MOTOR CONTROL VALVE	27102459	1,00 ST
32.1	M1		27900724	STELLANTRIEB ELEKTRISCH	POSITIONING DRIVE ELECTRIC		1,00 ST
32.2	V1		26400880	STELLVENTIL PNEUMATISCH	SERVO VALVE PNEUMATIC		1,00 ST
33	07V045	1C6	27102460	MOTORREGELVENTIL	MOTOR CONTROL VALVE	27102460	1,00 ST
33.1	M1		27900724	STELLANTRIEB ELEKTRISCH	POSITIONING DRIVE ELECTRIC		1,00 ST
33.2	V1		26400881	STELLVENTIL PNEUMATISCH	SERVO VALVE PNEUMATIC		1,00 ST
18	07V046	1C4	27600328	KUGELHAHN	BALL VALVE	27600328	1,00 ST
18.1	Z1		27902541	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
19	07V047	1C7	40107364	MUFFENKUGELHAHN	SOCKET BALL VALVE	40107364	1,00 ST
19.1			40234335	KUGELHAHN	BALL VALVE		1,00 ST
19.2			40234389	DREHANTRIEB PNEUMATIK	ROTARY DRIVE PNEUMATIC		1,00 ST
19.3			40234405	WEGEVENTIL PNEUMATIK	DIRECTIONAL VALVE PNEUMATIC		1,00 ST
19.3.1			27902779	ELEKTROMAGNET	ELECTROMAGNET		1,00 ST
20	07V048	1C7	40107364	MUFFENKUGELHAHN	SOCKET BALL VALVE	40107364	1,00 ST
20.1			40234335	KUGELHAHN	BALL VALVE		1,00 ST
20.2			40234389	DREHANTRIEB PNEUMATIK	ROTARY DRIVE PNEUMATIC		1,00 ST
20.3			40234405	WEGEVENTIL PNEUMATIK	DIRECTIONAL VALVE PNEUMATIC		1,00 ST
20.3.1			27902779	ELEKTROMAGNET	ELECTROMAGNET		1,00 ST
57	07V049	1E3	27600328	KUGELHAHN	BALL VALVE	27600328	1,00 ST
57.1	Z1		27902541	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
58	07V050	1F3	27600328	KUGELHAHN	BALL VALVE	27600328	1,00 ST
58.1	Z1		27902541	SCHALTHEBEL	SWITCHING LEVER		1,00 ST
53	07Z001	1B5	30002472	SCHAUMLANZE	FOAM GENERATOR	455-24-001-00 E	1,00 ST
53.10			30002546	LOCHPLATTE	HOLE PLATE	455-24-001-05	1,00 ST
53.11			29900202	KUGEL	BALL		4,00 KG
53.12			30002528	ROHR	PIPE	455-24-001-01	1,00 ST

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Projekt  
Teilenummer 40619988  
SCHAUMANLAGE  
Zeichnungsnr. 1187-47-060-00

Project  
Part number 40619988  
FOAM SYSTEM  
Drawing no. 1187-47-060-00

Item	Operating resources structure	Document path	Material number	description	Designation	Drawing no.	Quantity
53.13			24007156	ZYLINDERSCHRAUBE M10X45-A4-DIN912	HEX.SOCKET HEAD CAP SCREW M10X45-A4-DIN912		4,00 ST
53.15			30002541	LOCHPLATTE	HOLE PLATE	455-24-001-04	1,00 ST
53.17			30002535	GEHÄUSE	HOUSING	455-24-001-02 B	1,00 ST
53.18			40219598	AXIAL-VOLLKEGELDÜSE	AXIALFLOW FULL CONE NOZZLE		1,00 ST
53.20			28000084	O-RING	O-RING		1,00 ST
53.21			30002539	DÜSENHALTER	NOZZLE RETAINER	455-24-001-03 A	1,00 ST
53.23			24007157	ZYLINDERSCHRAUBE M10X30-A4-DIN912	HEX.SOCKET HEAD CAP SCREW M10X30-A4-DIN912		4,00 ST
53.5			30012910	BLENDE	ORIFICE	455-24-001-07	1,00 ST
53.6			28000130	O-RING	O-RING		2,00 ST
53.7			24003459	ZYLINDERSCHRAUBE M10X55-A4-DIN912	HEX.SOCKET HEAD CAP SCREW M10X55-A4-DIN912		4,00 ST
53.8			24007154	SCHEIBE B10,5-A4-140HV-DIN125	WASHER B10,5-A4-140HV-DIN125		16,00 ST
53.9			24007155	SECHSKANTMUTTER M10-A4-DIN934	HEX.NUT M10-A4-DIN934		4,00 ST
54	07Z003	1B10	29918139	DOSIEREINHEIT	DOSING UNIT	29918139	1,00 ST
54.1			40028083	BYPASS-SCHALTER WASSER	BYPASS SWITCH WATER		1,00 ST
54.2			40216248	SAUGFILTER	SUCTION FILTER		1,00 ST
55	07Z004	1B10	29918140	DOSIEREINHEIT	DOSING UNIT	29918140	1,00 ST
55.1			40028083	BYPASS-SCHALTER WASSER	BYPASS SWITCH WATER		1,00 ST
56	07Z005	1C5	30002472	SCHAUMLANZE	FOAM GENERATOR	455-24-001-00 E	1,00 ST
56.10			30002546	LOCHPLATTE	HOLE PLATE	455-24-001-05	1,00 ST
56.11			29900202	KUGEL	BALL		4,00 KG
56.12			30002528	ROHR	PIPE	455-24-001-01	1,00 ST
56.13			24007156	ZYLINDERSCHRAUBE M10X45-A4-DIN912	HEX.SOCKET HEAD CAP SCREW M10X45-A4-DIN912		4,00 ST
56.15			30002541	LOCHPLATTE	HOLE PLATE	455-24-001-04	1,00 ST
56.17			30002535	GEHÄUSE	HOUSING	455-24-001-02 B	1,00 ST



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Teilenummer 40619988  
SCHAUMANLAGE  
Zeichnungsnr. 1187-47-060-00

Project  
Part number 40619988  
FOAM SYSTEM  
Drawing no. 1187-47-060-00

Item	Operating resources structure	Document path	Material number	description	Designation	Drawing no.	Quantity
56.18			40219598	AXIAL-VOLLKEGELDÜSE	AXIALFLOW FULL CONE NOZZLE		1,00 ST
56.20			28000084	O-RING	O-RING		1,00 ST
56.21			30002539	DÜSENHALTER	NOZZLE RETAINER	455-24-001-03 A	1,00 ST
56.23			24007157	ZYLINDERSCHRAUBE M10X30-A4-DIN912	HEX.SOCKET HEAD CAP SCREW M10X30-A4-DIN912		4,00 ST
56.5			30012910	BLENDE	ORIFICE	455-24-001-07	1,00 ST
56.6			28000130	O-RING	O-RING		2,00 ST
56.7			24003459	ZYLINDERSCHRAUBE M10X55-A4-DIN912	HEX.SOCKET HEAD CAP SCREW M10X55-A4-DIN912		4,00 ST
56.8			24007154	SCHEIBE B10.5-A4-140HV-DIN125	WASHER B10.5-A4-140HV-DIN125		16,00 ST
56.9			24007155	SECHSKANTMUTTER M10-A4-DIN934	HEX.NUT M10-A4-DIN934		4,00 ST