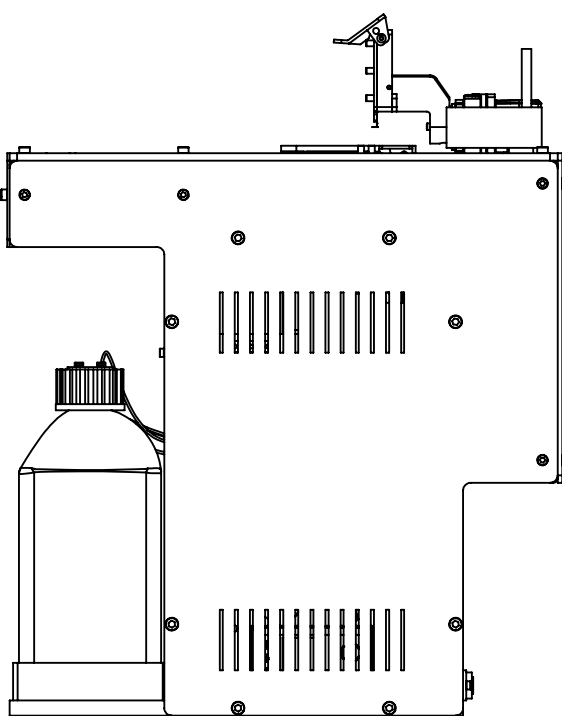
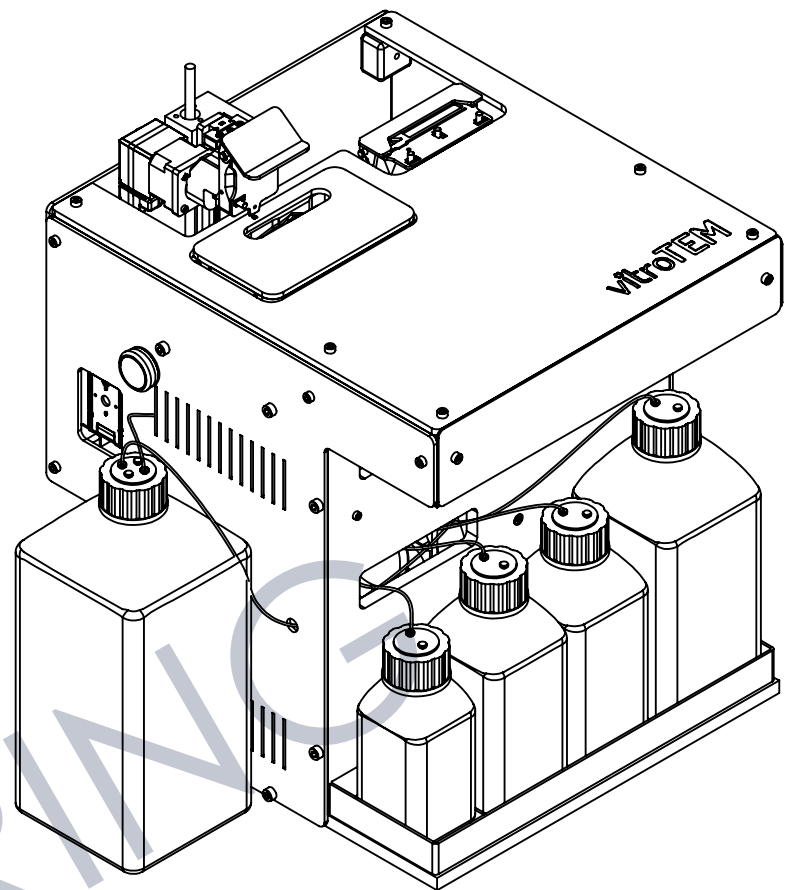
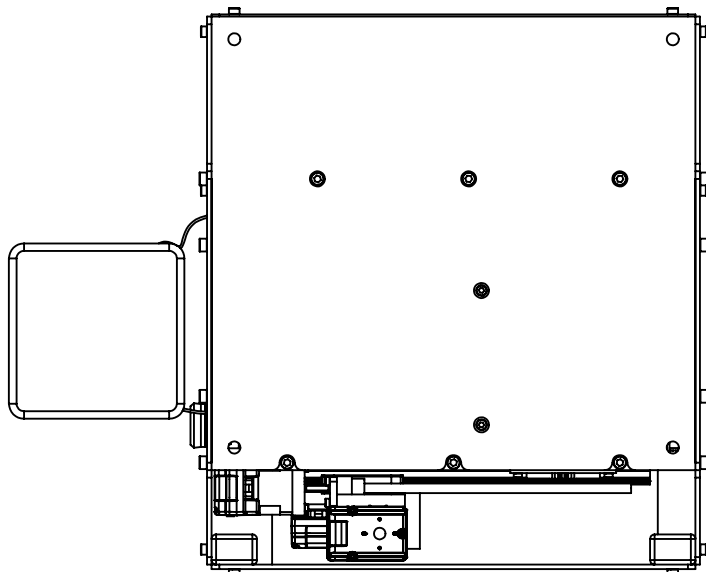
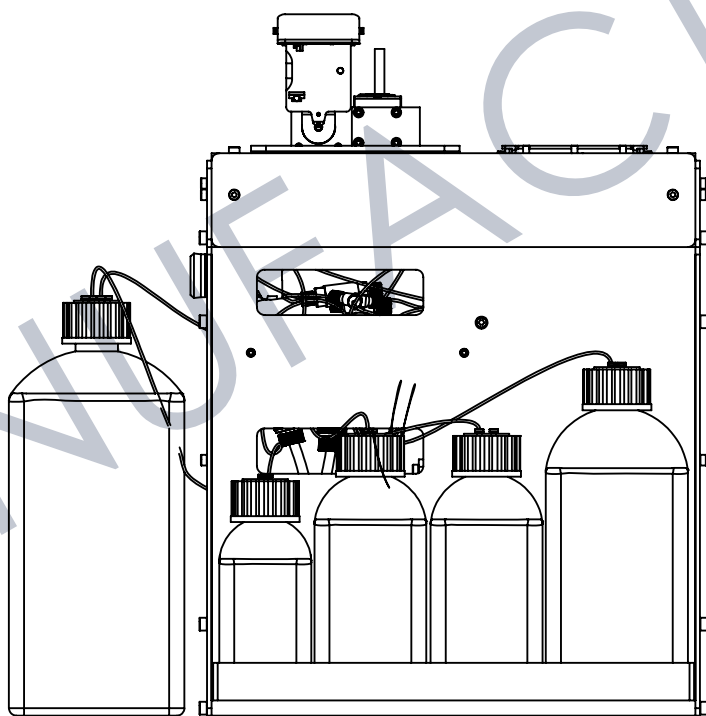



ITEM NO.	PartNo	DESCRIPTION	Vendor	VendorNo	Manufacturer	MATERIAL	QTY.
1	13-018308	MVP-PR: PELTIER 71W	CONRAD	QC-127-14-8-5AS			1
2	13-018431	MVP-PR: FLOWCUT OFF M3 x 6	CONRAD	S453X10			16
3	13-018431	MVP-PR: CHILFAN 50mm	CONRAD	RDH60232			1
4	13-018440	MVP-PR: ARDUINO MEGA 2560	CONRAD	A000067			1
5	13-018441	MVP-PR: PHOENIX CONTACTS	CONRAD	BU 3007261			1
6	13-018358	MVP-PR: 1072 PELTIER PSU	CONRAD	DPS500			1
7	13-018358	MVP-PR: PIPE TUBING 1/16" OD - 0.8 ID	DARWIN	BL-PTFE-1603-20		PTFE (general)	1
8	13-018362	MVP-PR: 2 PORT BOTTLE CAP	DIBA INDUSTRIES	009381-2F			4
9	13-018394	MVP-PR: TUBER ADAPTER	DIBA INDUSTRIES	0091			6
10	13-018392	MVP-PR: TUBER PLUG	DIBA INDUSTRIES	0091			6
11	13-018392	MVP-PR: 4 PORT WASTE CAP	DIBA INDUSTRIES	009381-4W			1
12	13-018237	MVP-PR: MDRIVE LINEAR ACTUATOR A	ERIKS	MULTICRL14A4-EQ-1C32073A7			1
13	13-018241	MVP-PR: ROUGH NUT	ERIKS			PMMA	2
14	13-018243	MVP-PR: MDRIVE LINEAR ACTUATOR B	ERIKS	MD31RL14A4-EQ-MULTICRL14A4-EQ-1C32098A7			1
15	13-018351	MVP-PR: MDRIVE LINEAR ACTUATOR C	ERIKS	MULTICRL14A4-EQ-1C32098A7			1
16	13-018408	MVP-PR: MOTOR CABLE	ERIKS	PD128-1434-FL3			1
17	13-018399	MVP-PR: USB INTERFAC	ERIKS	MD-CC-60101			1
18	13-018399	MVP-PR: AWC20 CABLES - RED	FARNELL	6714-BK005			2
19	13-018439	MVP-PR: AWC20 CABLES - BLACK	FARNELL	6714-BK005			2
20	13-018443	MVP-PR: ZC POWER SUPPLY	FARNELL	6714-BK005			2
21	13-018443	MVP-PR: RIBBON CABLE	FARNELL	6714-BK005			2
22	13-018210	MVP-PR: BIG SLIDER	HIWIN	PGF-JBRN40-MM			2
23	13-018213	MVP-PR: SMALL RAIL	RS COMPONENTS	MGW15C1R25070CM			2
24	13-018213	MVP-PR: SMALL SLIDER	RS COMPONENTS	PTU1501501KX-PC1			2
25	13-018213	MVP-PR: DEKSEL RAIL	HIWIN	MGW15C1R25070CM			2
26	13-018272	MVP-PR: DEKSEL SLIDER	HIWIN	MGW15C1R25070CM			2
27	13-018272	MVP-PR: DEKSEL SLIDER	HIWIN	MGW15C1R25070CM			2
28	13-018392	MVP-PR: LOW PRESSURE PUMP	HNP-MIKROSISTEME	MAK-2011			1
29	13-018392	MVP-PR: INFLOW FILTER	HNP-MIKROSISTEME	F-M0		AlSi Type 316L stainless steel	1
30	13-018421	MVP-PR: CERAMIC PUMP CONTROLLER	HNP-MIKROSISTEME	S-KG-21			1
31	13-018357	MVP-PR: FLANGELESS FITING PEEK 5/16-24, 1/8" OD	INACOM	XP-130		Polyetheretherketone (PEEK)	1
32	13-018368	MVP-PR: FITTING PEEK 1/4-28, 1/16" OD	INACOM	XP-235		Polyetheretherketone (PEEK)	16
33	13-018369	MVP-PR: ADAPTER 1/4-28 x 5/16-24 PEEK	INACOM	P-135		Polyetheretherketone (PEEK)	1
34	13-018373	MVP-PR: PEEK MANIFOLD 5 Port 1/16"	INACOM	P-154		Polyetheretherketone (PEEK)	1
35	13-018393	MVP-PR: FITTING PEEK 1/4-28 - 1/8" OD	INACOM	XP-335		Polyetheretherketone (PEEK)	1
36	13-018412	MVP-PR: PEEK Y CONNECTOR	INACOM	P-514		Polyetheretherketone (PEEK)	1
37	13-018418	MVP-PR: FITTING PEEK 1/2-20, 1/4" OD	INACOM	U-665		Polyetheretherketone (PEEK)	2
38	13-018419	MVP-PR: FLANGELESS FITTING PEEK 1/2-20, 1/4" OD	INACOM	XU-655		Polyetheretherketone (PEEK)	2
39	13-018708	MVP-PR: DELRIN PLUG, 1/4-28 FLAT BOTTOM	INACOM	P-309			5
40	13-018414	MVP-PR: MEMBRANE PUMP	KNE	NF5KPCDB-4 10-26.4V			1
41	13-018420	MVP-PR: PIPE TUBING, 1/8" ID, 1/4" OD	ROMYNOX	CG-125X250		PTFE (general)	1
42	13-018290	MVP-PR: ACTUONIX MOTOR	RS COMPONENTS	PQ12-100-6-R			2
43	13-018400	MVP-PR: BOOITACE RULE	RS COMPONENTS	28-0091			1
44	13-018416	MVP-PR: RED BUTTON	RS COMPONENTS	3SU11504AB20-1CA0			1
45	13-018434	MVP-PR: MOLEX RECEPTICLE	RS COMPONENTS	15-06-0080			4
46	13-018422	MVP-PR: SOLID STATE RELAY	RS COMPONENTS	ET100D10-05			4
47	13-018427	MVP-PR: OMRON 120VAC FAN	RS COMPONENTS	R82F-D12-28L			4
48	13-018427	MVP-PR: MB RUBBER FEET	RS COMPONENTS	22-2924			4
49	13-016706	M2.5 X 6 SHCS	SAM	DIN 912 A4 M2.5 X 6		AlSi Type 316L stainless steel	4
50	13-016707	M2.5 X 8 SHCS	SAM	DIN 912 A4 M2.5 X 8		AlSi Type 316L stainless steel	1
51	13-016708	M2.5 X 10 SHCS	SAM	DIN 912 A4 M2.5 X 10		AlSi Type 316L stainless steel	4
52	13-016709	M2.5 X 12 SHCS	SAM	DIN 912 A4 M2.5 X 12		AlSi Type 316L stainless steel	2
53	13-016711	M2.5 X 18 SHCS	SAM	DIN 912 A4 M2.5 X 18		AlSi Type 316L stainless steel	12
54	13-016752	M3 X 5 SHCS	SAM	DIN 912 A4 M3 X 5		AlSi Type 316L stainless steel	6
55	13-016753	M3 X 6 SHCS	SAM	DIN 912 A4 M3 X 6		AlSi Type 316L stainless steel	10
56	13-016754	M3 X 8 SHCS	SAM	DIN 912 A4 M3 X 8		AlSi Type 316L stainless steel	6
57	13-016755	M3 X 10 SHCS	SAM	DIN 912 A4 M3 X 10		AlSi Type 316L stainless steel	17
58	13-016756	M3 X 12 SHCS	SAM	DIN 912 A4 M3 X 12		AlSi Type 316L stainless steel	10
59	13-016757	M3 X 16 SHCS	SAM	DIN 912 A4 M3 X 16		AlSi Type 316L stainless steel	8
60	13-016797	M4 X 8 SHCS	SAM	DIN 912 A4 M4 X 8		AlSi Type 316L stainless steel	16
61	13-016798	M4 X 10 SHCS	SAM	DIN 912 A4 M4 X 10		AlSi Type 316L stainless steel	8
62	13-016799	M4 X 12 SHCS	SAM	DIN 912 A4 M4 X 12		AlSi Type 316L stainless steel	6
63	13-016800	M4 X 16 SHCS	SAM	DIN 912 A4 M4 X 16		AlSi Type 316L stainless steel	1
64	13-016802	M4 X 20 SHCS	SAM	DIN 912 A4 M4 X 20		AlSi Type 316L stainless steel	4
65	13-016803	M4 X 25 SHCS	SAM	DIN 912 A4 M4 X 25		AlSi Type 316L stainless steel	4
66	13-016807	M4 X 45 SHCS	SAM	DIN 912 A4 M4 X 45		AlSi Type 316L stainless steel	4
67	13-016809	M4 X 60 SHCS	SAM	DIN 912 A4 M4 X 60		AlSi Type 316L stainless steel	4
68	13-016812	M5 X 10 SHCS	SAM	DIN 912 A4 M5 X 10		AlSi Type 316L stainless steel	15
69	13-016813	M5 X 12 SHCS	SAM	DIN 912 A4 M5 X 12		AlSi Type 316L stainless steel	6
70	13-016814	M5 X 16 SHCS	SAM	DIN 912 A4 M5 X 16		AlSi Type 316L stainless steel	8
71	13-016899	M2.5 HEX NUT	SAM	DIN 934 A4 M2.5		AlSi Type 316L stainless steel	2
72	13-016901	M4 HEX NUT	SAM	DIN 934 A4 M4		AlSi Type 316L stainless steel	4
73	13-017240	M4 FLAT WASHER	SAM	DIN 125 A4 M4		AlSi Type 316L stainless steel	8
74	13-017714	4 X 12 DP	SAM	DIN 7 A1 4m6 X 12		AlSi Type 316L stainless steel	4
75	13-018353	MVP-PR: FLOW VALVE	SMC NEDERLAND	LVM10R3-5F2U-3-Q			2
76	13-018354	MVP-PR: 500ML WATER FLASK	THERMOFISHER	2019-500			2
77	13-018355	MVP-PR: 200ML WATER FLASK	THERMOFISHER	2019-200			2
78	13-018356	MVP-PR: 100ML WATER FLASK	THERMOFISHER	2019-100			2
79	13-018361	MVP-PR: 1000ML WATER FLASK	THERMOFISHER	2019-1000			2
80	13-018219	MVP-PR: PRECISION MICRO 4	VIOTEM	13-018219		6061 Alloy	1
81	13-018436	MVP-PR: TEMPERATURE PCB	VIOTEM	13-018436			1
82	13-018437	MVP-PR: FLUIDIC PCB	VIOTEM	13-018437			1
83	13-018438	MVP-PR: ACTUATOR PCB	VIOTEM	13-018438			1
84	13-018218	MVP-PR: CARTRIDGE	VIOTEM	13-018218	LASERBEES	PMMA	1
85	13-018219	MVP-PR: TOP COVER	VIOTEM	13-018219	LASERBEES	PMMA	1
86	13-018220	MVP-PR: BACK COVER	VIOTEM	13-018220	LASERBEES	PMMA	1
87	13-018225	MVP-PR: SIDE COVER A	VIOTEM	13-018225	LASERBEES	PMMA	1
88	13-018426	MVP-PR: SIDE COVER B	VIOTEM	13-018426	LASERBEES	PMMA	1
89	13-018433	MVP-PR: FRONT COVER	VIOTEM	13-018433	LASERBEES	PMMA	1
90	13-018269	MVP-PR: HEATPIPE	VIOTEM	13-018269	QUICKCOOL	Copper	3
91	13-018206	MVP-PR: BASE PLATE	VIOTEM	13-018206	SUPE	6061 Alloy	1
92	13-018207	MVP-PR: BACK PLATE	VIOTEM	13-018207	SUPE	6061 Alloy	1
93	13-018217	MVP-PR: LOOP HOLDER	VIOTEM	13-018217	SUPE	6061 Alloy	1
94	13-018220	MVP-PR: LOOP HOLDER INTERFACE	VIOTEM	13-018220	SUPE	1060 Alloy	1
95	13-018224	MVP-PR: BOTTOM PLATE	VIOTEM	13-018224	SUPE	6061 Alloy	1
96	13-018229	MVP-PR: FLOWCELL SLIDER	VIOTEM	13-018229	SUPE	6061 Alloy	1
97	13-018232	MVP-PR: CARTRIDGE PLATFORM	VIOTEM	13-018232	SUPE	6061 Alloy	1
98	13-018233	MVP-PR: GRID HOLDER	VIOTEM	13-018233	SUPE	PMMA	1
99	13-018234	MVP-PR: CARTRIDGE LANDING PAD	VIOTEM	13-018234	SUPE	6061 Alloy	1
100	13-018235	MVP-PR: SET BLOCK	VIOTEM	13-018235	SUPE	6061 Alloy	2
101	13-018236	MVP-PR: CARTRIDGE LANDING LID	VIOTEM	13-018236	SUPE	Polyetheretherketone (PEEK)	1
102	13-018240	MVP-PR: DIFFERENTIAL SCREW	VIOTEM	13-018240	SUPE	AlSi Type 316L stainless steel	2
103	13-018242	MVP-PR: HORIZONTAL MOTOR PLATE	VIOTEM	13-018242	SUPE	6061 Alloy	1
104	13-018265	MVP-PR: HEATPIPE CLAMP A	VIOTEM	13-018265	SUPE	Copper	1
105	13-018266	MVP-PR: HEATPIPE CLAMP B	VIOTEM	13-018266	SUPE	Copper	1
106	13-018267	MVP-PR: LONG AIR	VIOTEM	13-018267	SUPE	6061 Alloy	1
107	13-018268	MVP-PR: HEATSINK	VIOTEM	13-018268	SUPE	Copper	1
108	13-018270	MVP-PR: SHORT AIR	VIOTEM	13-018270	SUPE	6061 Alloy	1
109	13-018271	MVP-PR: FLOWCELL COVER	VIOTEM	13-018271	SUPE	Polyetheretherketone (PEEK)	1
110	13-018272	MVP-PR: DIVIDER PLATE A	VIOTEM	13-018272	SUPE	6061 Alloy	1
111	13-018273	MVP-PR: DIVIDER PLATE B	VIOTEM	13-018273	SUPE	6061 Alloy	1
112	13-018274	MVP-PR: HEATSINK CLAMP	VIOTEM	13-018274	SUPE	6061 Alloy	1
113	13-018275	MVP-PR: FLOWCELL COVER BRACKET	VIOTEM	13-018275	SUPE	6061 Alloy	1
114	13-018278	MVP-PR: LEFT BRACE CONNECTOR	VIOTEM	13-018278	SUPE	6061 Alloy	1
115	13-018279	MVP-PR: RIGHT BRACE CONNECTOR	VIOTEM	13-018279	SUPE	6061 Alloy	1
116	13-018285	MVP-PR: VALVE PLATE	VIOTEM	13-018285	SUPE	6061 Alloy	1
117	13-018286	MVP-PR: ACTUATOR BRACKET	VIOTEM	13-018286	SUPE	6061 Alloy	1
118	13-018287	MVP-PR: CARTRIDGE BRACKET	VIOTEM	13-018287	SUPE	6061 Alloy	1
119	13-018288	MVP-PR: BOTTOM TRAY B	VIOTEM	13-018288	SUPE	Polyetheretherketone (PEEK)	1
120	13-018289	MVP-PR: BOTTOM TRAY A	VIOTEM	13-018289	SUPE	Polyetheretherketone (PEEK)	1
121	13-018292	MVP-PR: LOOP HOLDER CLIP	VIOTEM	13-018292	SUPE	Polyetheretherketone (PEEK)	1
122	13-018301	MVP-PR: HOUSING CONNECTION A	VIOTEM	13-018301	SUPE	6061 Alloy	4
123	13-018309	MVP-PR: COPPER JACKET	VIOTEM	13-018309	SUPE	Copper	1
124	13-018313	MVP-PR: MOTOR / RAIL BRACKET A	VIOTEM	13-018313	SUPE	6061 Alloy	1
125	13-018314	MVP-PR: MOTOR / RAIL BRACKET B	VIOTEM	13-018314	SUPE	6061 Alloy	1
126	13-018410	MVP-PR: FLOWCELL	VIOTEM	13-018307	SUPE	Polyetheretherketone (PEEK)	1
127	13-018425	MVP-PR: HOUSING CONNECTION B	VIOTEM	13-018301	SUPE	6061 Alloy	4
128	13-018446	MVP-PR: PATCH PANEL FOR PSU	VIOTEM	13-018446	SUPE	6061 Alloy	1
129	13-018730	MVP-PR: SS SPRING	RS COMPONENTS	821-526			2
130	13-018716	MVP-PR: PELTIER PSU SUPPORT	VIOTEM	13-018716		PMMA	1
131	13-018717	MVP-PR: PELTIER HOLDER BRACKET	VIOTEM	13-018717		PMMA	1
132	13-018718	MVP-PR: TC PLATE	VIOTEM	13-018718		PMMA	1
133	13-018720	MVP-PR: TC HOLDER BRACKET	VIOTEM	13-018720		PMMA	1



Metric thread according to ISO 6g / 6H					Finish: Free from burrs and undamaged				
UNLESS NOTED		Break corners maximum 0.5x45° / R maximum 0.5					Refer to STEP file is dimension is not noted		
Dimensions in mm		0.5 - 3	3-6	6-30	30-120	120-400		400-1000	
Tol. acc. to ISO 2768-1 f		±0.05	±0.05	±0.1	±0.15	±0.2		±0.3	
Remark:		Part name: MVP							
Revision	C							Date	13/12/2021
Drawn by	T. GRANDSAERT							Date	12/10/2021
Checked by	T. GRANDSAERT							Date	13/12/2021
vitroTEM		MATERIAL:			DRW NO. 13-018205		Size A2		
		WEIGHT: 23722.48 g			SCALE:1:5		Project. 		
					SHEET 1 OF 1		