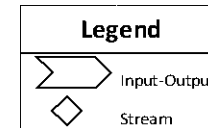


Equipment	Number
Static Mixer	Z101
SS Shell and Tube Heat Exchanger	W101
Cooler	W102
Reactor	R101
Separator	S101
Compressor 1	C101
Compressor 2	C102
Stripper	S102
Condenser	W103
Valve	Z102
Distillation Column	W201



Stream	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Flowrate kg/h	172.09	122002.7	122002.7	122002.7	122002.7	122002.7	21104.88	2688.87	2688.87	3985.8	89.96	3895.87	104795.5	104795.5	19867.9	19867.9	12.5	12208.71	7346.88
Flowrate m <sup>3</sup> /h	22.05	4572.55	7644.01	7504.78	4878.2	1822.7	24.62	27754.24	992.69	755.89	0.11	695.46	4097.52	4608.29	25.79	51.88	26.7	15.12	8.03
Temperature Celsius	20	28.2	225	250	99.9	51	30	35	170	47	30	30	30	42.1	92.2	87.6	39	39	104.9
Pressure Bar	1.00	30	30	30	30	30	45	1.1	45	45	45	45	45	30	45.2	5.088	1.015	1.015	1.1

Date	10.07.2018	Czech Technical University
Drawer	Farid Ismayilov	
Sheets	1 of 1	Methanol Production from CO2