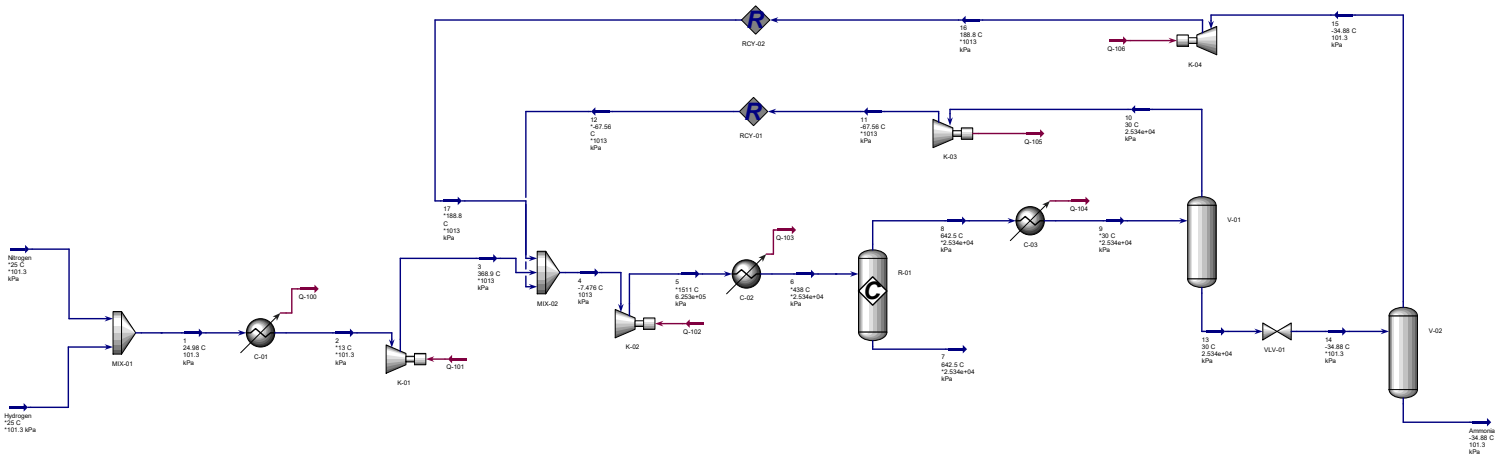

Compositions										
	Nitrogen	Hydrogen	1	2	3	4	5	6	8	7
Comp Mole Frac (Nitrogen)	1.0000	0.0000	0.2646	0.2646	0.2646	0.6511	0.6511	0.6511	0.6730	0.6722
Comp Mole Frac (Hydrogen)	0.0000	1.0000	0.7354	0.7354	0.7354	0.2235	0.2235	0.2235	0.0384	0.0383
Comp Mole Frac (Ammonia)	0.0000	0.0000	0.0000	0.0000	0.0000	0.1254	0.1254	0.1254	0.2886	0.2894
	9	10	13	14	11	12	15	Ammonia	16	17
Comp Mole Frac (Nitrogen)	0.6730	0.8310	0.0215	0.0215	0.8310	0.8306	0.0825	0.0000	0.0825	0.0824
Comp Mole Frac (Hydrogen)	0.0384	0.0472	0.0019	0.0019	0.0472	0.0476	0.0074	0.0000	0.0074	0.0075
Comp Mole Frac (Ammonia)	0.2886	0.1218	0.9766	0.9766	0.1218	0.1217	0.9102	1.0000	0.9102	0.9101

Ammonia		
Vapour Fraction	0.0000	
Temperature	-34.88	C
Pressure	101.3	kPa
Molar Flow	526.7	kgmole/h
Mass Flow	8969	kg/h

Material Streams											
		Nitrogen	Hydrogen	1	2	3	4	5	6	8	7
Vapour Fraction		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.0000
Temperature	C	25.00	25.00	24.98	13.00	368.9	-7.476	1511	438.0	642.5	642.5
Pressure	kPa	101.3	101.3	101.3	101.3	1013	1013	6.253e+005	2.534e+004	2.534e+004	2.534e+004
Molar Flow	kgmole/h	285.6	793.7	1079	1079	1079	4177	4177	4177	3648	0.0000
Mass Flow	kg/h	8000	1600	9600	9600	9600	8.699e+004	8.699e+004	8.699e+004	8.699e+004	0.0000
Liquid Volume Flow	m3/h	9.921	22.90	32.82	32.82	32.82	135.9	135.9	135.9	118.4	0.0000
Heat Flow	kJ/h	-2219	-86.47	-2306	-3.721e+005	1.084e+007	-2.838e+007	2.520e+008	3.066e+007	3.066e+007	0.0000
		9	10	13	14	11	12	15	Ammonia	16	17
Vapour Fraction		0.8048	1.0000	0.0000	0.2605	0.8907	0.8907	1.0000	0.0000	1.0000	1.0000
Temperature	C	30.00	30.00	30.00	-34.88	-67.56	-67.56	-34.88	-34.88	188.8	188.8
Pressure	kPa	2.534e+004	2.534e+004	2.534e+004	101.3	1013	1013	101.3	101.3	1013	1013
Molar Flow	kgmole/h	3648	2936	712.2	712.2	2936	2912	185.5	526.7	185.5	186.0
Mass Flow	kg/h	8.699e+004	7.472e+004	1.228e+004	1.228e+004	7.472e+004	7.408e+004	3307	8969	3307	3315
Liquid Volume Flow	m3/h	118.4	98.65	19.80	19.80	98.65	97.84	5.238	14.56	5.238	5.252
Heat Flow	kJ/h	-6.635e+007	-2.049e+007	-4.586e+007	-4.586e+007	-3.284e+007	-3.257e+007	-8.114e+006	-3.774e+007	-6.637e+006	-6.654e+006