


Stream Number	1	2	3	4	5	6*	7*
Temperature (°C)	700.00	250.00	250.00	205.30	543.00	-	-
Pressure (kPa)	6,687.00	6,800.00	7,000.00	14,170.00	15,100.00	-	-
Mass flow (kg/s)	145.00	145.00	145.00	155.40	155.40	-	-
Component mass flow (kg/s)	145.00	145.00	145.00	155.40	155.40	-	-
He	145.00	145.00	145.00	-	-	-	-
H2O	-	-	-	155.40	155.40	-	-
Fuel Elements (number of elements)						679.00	679.00

Note:  
The dotted lined box above is for sample purposes only  
The fuel element lines (6, 7) are to illustrate how fuel would recirculate and their values are given in terms of fuel elements Inserted.



NuEnergy Solutions

Process Flow Diagram  
Small Modular Reactor – Power Plant

DWG NO  
PFD 001

REV  
A1

SIZE  
A3

SCALE  
N/A

REVISED  
10/12/2020

SHEET  
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