



Line number	3.1	3.2	3.3	3.4	3.5	3.6	3.7
Mass Flow (t)	2383.2	9595.2	9595.2	11978.4	11978.4	11978.4	11978.4
Batch cycle time (h)	10	10	10	10	10	10	10

Composition (wt%)							
Starch (gelatinised)	0.30000	0	0	0	0	0	0
Water	0.64130	1	1	0.92887	0.92857	0.92857	0.92857
Trace impurities	0.05710	0	0	0.01140	0.01140	0.01140	0.01140
$\alpha$ -amylase	0.00003	0	0	0.00003	0.00003	0.00003	0.00003
Glucose	0.00160	0	0	0.00760	0.06000	0.06000	0.06000
Maltose	0	0	0	0.00600	0	0	0
Maltotriose	0	0	0	0.00030	0	0	0
Maltotetraose	0	0	0	0.00110	0	0	0
Maltopentaose	0	0	0	0.00040	0	0	0
Maltohexaose	0	0	0	0.00200	0	0	0
Maltoheptaose	0	0	0	0.00080	0	0	0
Oligosaccharides (DP>7)	0	0	0	0.04150	0	0	0

Phase	Solid, Liquid	Liquid	Liquid	Solid, Liquid	Liquid	Liquid	Liquid
Pressure (bar)	1.80	5.00	4.30	1.60	1.37	1.60	1.00
Temperature (K)	328	293	328	363	328	328	308

## Area 3 PFD and stream tables