

Description	Units	FEED	2	3	4	FINAL
From		VALVE1	COMPRESS	HEAT	VALVE2	
To		VALVE1	COMPRESS	HEAT	VALVE2	VALVE2
Stream Class		CONVEN	CONVEN	CONVEN	CONVEN	CONVEN
Maximum Relative Error						
Cost Flow	\$/hr					
MIXED Substream						
Phase		Vapor Phase	Vapor Phase	Vapor Phase	Vapor Phase	
Temperature	K	195	150.2558247	297.7228271	150.255	103.8009919
Pressure	MPa	10	1	10	10	1
Molar Vapor Fraction		1	1	1	1	0.744531859
Molar Liquid Fraction		0	0	0	0	0.255468141
Molar Solid Fraction		0	0	0	0	0
Mass Vapor Fraction		1	1	1	1	0.744531859
Mass Liquid Fraction		0	0	0	0	0.255468141
Mass Solid Fraction		0	0	0	0	0
Molar Enthalpy	Btu/lbmol	-1962.387899	-1962.387899	-278.9467866	-3122.631104	-3122.631104
Mass Enthalpy	Btu/lb	-70.05155728	-70.05155728	-9.957591368	-111.4688751	-111.4688751
Molar Entropy	Btu/lbmol-R	-13.48159919	-9.586642208	-9.586642279	-17.28129327	-15.17529848
Mass Entropy	Btu/lb-R	-0.481253996	-0.342215327	-0.342215329	-0.616892056	-0.541714149
Molar Density	lbmol/cuft	0.476359349	0.053681109	0.254952963	0.935200499	0.122232373
Mass Density	lb/cuft	13.34448309	1.503794681	7.142119723	26.19822046	3.424154141
Enthalpy Flow	Btu/hr	-555974.0924	-555974.0924	-79029.83228	-884688.4934	-884688.4934
Average MW		28.01348	28.01348	28.01348	28.01348	28.01348
Mole Flows	lbmol/hr	283.315084	283.315084	283.315084	283.315084	283.315084
NITRO-01	lbmol/hr	283.315084	283.315084	283.315084	283.315084	283.315084
Mole Fractions						
NITRO-01		1	1	1	1	1
Mass Flows	lb/hr	7936.641439	7936.641439	7936.641439	7936.641439	7936.641439
NITRO-01	lb/hr	7936.641439	7936.641439	7936.641439	7936.641439	7936.641439
Mass Fractions						
NITRO-01		1	1	1	1	1
Volume Flow	cuft/hr	594.7507582	5277.742727	1111.244525	302.9458222	2317.840002
Vapor Phase						
Molar Enthalpy	Btu/lbmol	-1962.387899	-1962.387863	-278.9467866	-3122.631104	-2652.294038
Mass Enthalpy	Btu/lb	-70.05155728	-70.05155601	-9.957591368	-111.4688751	-94.6792058
Molar Entropy	Btu/lbmol-R	-13.48159919	-9.586642208	-9.586642279	-17.28129327	-12.65799633
Mass Entropy	Btu/lb-R	-0.481253996	-0.342215327	-0.342215329	-0.616892056	-0.451853762
Molar Density	lbmol/cuft	0.476359349	0.053681109	0.254952963	0.935200499	0.092960815
Mass Density	lb/cuft	13.34448309	1.503794681	7.142119723	26.19822046	2.60415693
Enthalpy Flow	Btu/hr	-555974.0924	-555974.0823	-79029.83228	-884688.4934	-559467.2287
Average MW		28.01348	28.01348	28.01348	28.01348	28.01348
Mole Flows	lbmol/hr	283.315084	283.315084	283.315084	283.315084	210.937106
NITRO-01	lbmol/hr	283.315084	283.315084	283.315084	283.315084	210.937106
Mole Fractions						
NITRO-01		1	1	1	1	1
Mass Flows	lb/hr	7936.641439	7936.641439	7936.641439	7936.641439	5909.082401
NITRO-01	lb/hr	7936.641439	7936.641439	7936.641439	7936.641439	5909.082401
Mass Fractions						
NITRO-01		1	1	1	1	1
Volume Flow	cuft/hr	594.7507582	5277.742727	1111.244525	302.9458222	2269.096997
Liquid Phase						
Molar Enthalpy	Btu/lbmol					-4493.372764
Mass Enthalpy	Btu/lb					-160.4003774
Molar Entropy	Btu/lbmol-R					-22.51167957
Mass Entropy	Btu/lb-R					-0.803601679
Molar Density	lbmol/cuft					1.484889546
Mass Density	lb/cuft					41.59692359
Enthalpy Flow	Btu/hr					-325221.2348
Average MW						28.01348
Mole Flows	lbmol/hr					72.37797795
NITRO-01	lbmol/hr					72.37797795
Mole Fractions						
NITRO-01						1
Mass Flows	lb/hr					2027.559038
NITRO-01	lb/hr					2027.559038
Mass Fractions						
NITRO-01						1
Volume Flow	cuft/hr					48.74300459
<add properties>						

