

Steady State Conditions

EU Units

The table below lists the steady state conditions for the Advanced Distillation simulation in EU Unit.

Tag	Description	Value	Units
11AC12	T-100 Overheads Analyzer	1.0	%C ₅
11AC17	T-200 Overheads Analyzer	1.0	%C ₄
11AI16A	T-200 Bottoms Analyzer	2.9	%C ₃
11AI16B	T-200 Bottoms Analyzer	94.9	%C ₄
11ESD11	E-100 Steam Slam Trip	Normal	-
11ESD15	E-220 Steam Slam Trip	Normal	-
11FC01	Heavy Feed to Debutanizer	65.5	MBPSD
11FC02	Light Feed to Debutanizer	1.4	MBPSD
11FC15	E-100 Steam Flow	110.1	MIb/hr
11FC17	T-100 Bottom to Storage Tank 1	46.9	MBPSD
11FC18	T-100 Bottom to Off Specs Tank 2	0.0	MBPSD
11FC19	Debutanizer Reflux	32.0	MBPSD
11FC20	Depropanizer Feed	20.1	MBPSD
11FC21	E-220 Reboiler Steam Flow	26.9	MIb/hr
11FC22	Depropanizer C ₄ Product	10.1	MBPSD
11FC23	Depropanizer Reflux	20.2	MBPSD
11FC24	Depropanizer C ₃ Product	10.0	MBPSD
11FC28	P-68/69 Minimum Flow Spillback	5.0	MBPSD
11FC30	P-66/67 Minimum Flow Spillback	5.0	MBPSD
11HC41	D-100 Overhead to Flare	0.0	%
11HC44	D-100 Byp from Comp Interstg Drum	0.0	%
11HC46	Cooling Water to E-230	70.0	%

Tag	Description	Value	Units
11HC72	Cooling Water to E-240	70.0	%
11HS14A	E-110A Fan	Start	-
11HS14B	E-110B Fan	Start	-
11HS14C	E-110C Fan	Start	-
11HS14D	E-110D Fan	Start	-
11HS14E	E-110E Fan	Start	-
11HS14F	E-110F Fan	Start	-
11HS14G	E-110G Fan	Stop	-
11HS14H	E-110H Fan	Stop	-
11HS19A	E-210A Fan	Start	-
11HS19B	E-210B Fan	Start	-
11HS19C	E-210C Fan	Start	-
11HS19D	E-210D Fan	Start	-
11HS19E	E-210E Fan	Start	-
11HS19F	E-210F Fan	Stop	-
11HS39	T-100 Bottom Storage	Reset	-
11HS62	P-62 Debutanizer Reflux Pump	Start	-
11HS63	P-63 Debutanizer Reflux Pump Spare	Stop	-
11HS66	P-66 Depropanizer Reflux Pump	Start	-
11HS67	P-67 Depropanizer Reflux Pump Spare	Stop	-
11HS68	P-68 Depropanizer Feed Pump	Start	-
11HS69	P-69 Depropanizer Feed Pump Spare	Stop	-
11LC14	T-100, Debutanizer Bottoms Level	50.0	%
11LC16	D-100, Reflux Drum Level	50.0	-
11LC20	T-200, Depropanizer Bottoms Level	50.0	%
11LC21	D-200, Reflux Drum Level	50.0	%
11LSD15	Debutanizer Bottoms Low Level Trip	Normal	%
11PC15	T-100, Pressure Controller	180.0	psig
11PC16	D-100, Pressure Controller	170.0	psig
11PC18	T-200, Pressure Controller	275.0	psig
11PC19	D-200, Pressure Controller	265.0	psig
11PI14	T-100, Bottoms Pressure	183.2	psig

Tag	Description	Value	Units
11PI17	T-200, Bottoms Pressure	278.0	psig
11TC10	T-100, Tray 2, Reboiler	325.0	°F
11TC11	T-200, Tray 3, Reboiler	228.0	°F
11TI20	T-100, Bottoms	390.6	°F
11TI21	E-100, Reboiler Outlet	409.1	°F
11TI22	E-100, Reboiler Inlet	390.6	°F
11TI23	T-100, Tray 4	308.2	°F
11TI24	T-100, Tray 23	244.3	°F
11TI25	T-100, Overheads	159.6	°F
11TI26	T-100, Reflux	131.0	°F
11TI30	E-250, Shell Side Inlet	135.2	°F
11TI31	T-200, Depropanizer Splitter Bottoms	235.6	°F
11TI32	E-220, Reboiler Outlet	237.5	°F
11TI33	T-200, Depropanizer Tray 1	233.9	°F
11TI34	E-250, Tube Out	162.6	°F
11TI35	T-200, Depropanizer Overheads	134.3	°F
11TI36	T-200, Depropanizer Reflux	128.3	°F
11TI37	E-230, Shell side Outlet, C ₃	101.7	°F
11TI38	E-250, Shell side Outlet	174.7	°F
11TI39	E-240, Shell side Outlet, C ₄	124.5	°F
11TI40	Heavy Feed Temperature	244.0	°F