

Cimarron Energy Equipment Process Conditions Guide (V0.5 4May2023)

Process Data	Dehy	ECD	Filter	GPU	High-Low Package	Heated Sep.	Heater Treater	Indirect Line Heater	Sand Trap	3 PH Separator	2 PH Separator	VRU	VRT
Inlet Pressure (PSIG)	800-1200		800-1200	1000-5000	1000-3000	50-350	0-100	1000-5000	3000-5000	0 - 1200	0 - 1200	0-50	Atm.
Inlet Temp (°F)	70-125		70-120	40-120	40-120	80-100	80-100	40-120	70-120	70 - 120	70 - 120	30-125	70 - 120
Design Pressure (PSIG)	1440		1440	720-1440	500/125	125-400	75-125	720-1440	5000	250 / 1440	250 / 1440	720	75-125
Discharge Pressure (PSIG)												60-300	
Gas Inlet Flowrate (MMSCFD)	5-100		0-100	5-20	0 - 8	5-15	1-3	5-20	0-20	0 - 50	0 -75	.1-5	< 0.5
Gas Inlet SG	0.57-0.8		0.57-0.8	0.57-0.8	0.57-0.8			0.57-0.8	0.57-0.8	0.57-0.8	0.57-0.8	.6-2	
Gas Inlet Water Conc. (#/MMSCFD)	Saturated												
Gas Outlet Temp (°F)				70-120	70-120			70-120				100-275	
Gas Outlet Pressure (PSIG)				1000	75			1000					
Gas Outlet Water Conc. (#/MMSCFD)	<7												
Vapor Inlet Pressure (oz)		4-10											
Vapor Inlet Flowrate (MSCFD)		0-500											
Vapor Inlet Temp (°F)		80-120											
Vapor Inlet SG		0.7-2											
Vapor Inlet LHV (BTU/scf)		2000											
Water Inlet Flowrate (BBL/Day)				0-2000	0 - 1000	0-1500	0-6000	0-2000	0-2000	0 - 10,000			
Water Inlet SG				1.1	1.1	1.1	1.1	1.1	1.1	1.1			
Oil Inlet Flowrate (BBL/Day)				0-2000	0 - 1000	0-1500	0-6000	0-2000	0-2000	0 - 10,000			1000-6000
Oil Inlet SG / API				0.8	0.8	0.8	0.8	0.8	0.8	0.8			0.7
Liquid Inlet Flowrate (BBL/Day)				0-2000	0 - 2000			0-2000	0-2000		0-2000		
Liquid Inlet SG				.6-1.0	.6-1.0			.6-1.0	.6-1.0		.6-1.0		
Outlet BS&W Specification							0.5%						
Fluid Elevation in Tank or NPSHA (Ft)													20-30
Site Elevation (Ft)												0-15000	
Retention Time (min)										3 - 5	1		20-25
Inlet Fluid Composition													
Shop Capable Size	Regen: <3MMBTU/HR Abs.: <72"OD <40'S/S <1600#	HV: <120"OD D SV: <60"OD	<72"OD <15'S/S <1440#	Sep: <60"OD <10'S/S <1440# Duty: <2.5MMBTU /HR Coil: <5000#	Sep: 48"OD <16'S/S Hi: <500# Lo: <125# Coil: 3000#	<96"OD <30'S/S <250#	<120"OD <30'S/S Duty: 3MMBTU /HR	<120"OD <30'E/E Duty: 3MMBTU/HR Coil: <5000#	<30"OD <10'S/S <6000#	LP: <120"OD <30'S/S <250# HP: <60"OD <20'S/S <1440#	LP: <120"OD <30'S/S <250# HP: <60"OD <20'S/S <1440#	<800HP	<72"OD <40'S/S <125#

Required

Requested