

Amine Package

UNIT: SS10

PERFORMANCE (subject to process review)

Inlet H ₂ S Concentration	10,500 ppm
Outlet H ₂ S Concentration	< 0.5 ppm
Nominal Pipeline Pressure	1350 PSIG
Gas Flow Rate	66.5 e ³ m ³ /d
Gas Temperature	-20°F - 200°F)
Pressure Relief Valves Max Flow Rate	

DESIGN CRITERIA

Maximum Operating Pressure	1350 PSIG
Minimum/Maximum Rated Operating Temperature	-20°F/200°F

FILTER SEPARATOR

Vessel Diameter	6.625" OD
Vessel Length S/S	8' S/S
Nozzle Rating	600#
Inlet / Outlet Nozzle Size	2"

AMINE CONTACTOR

Vessel Diameter	14" OD
Vessel Length S/S	44' S/S
Nozzle Rating	600#
Inlet / Outlet Nozzle Size	2"



SWEET GAS AFTER-SCRUBBER

Vessel Diameter	14" OD
Vessel Length S/S	5' S/S
Nozzle Rating	600#
Inlet / Outlet Nozzle Size	2"

AMINE FLASH SEPARATOR

Vessel Diameter	24" OD
Vessel Length S/S	8' S/S
Nozzle Rating	150#
Inlet / Outlet Nozzle Size	2"



AMINE REFLUX PUMPS

Type	(2) Dean Modle ¾ DL
	1.5HP 3/60/230-480 VAC XP
Flow	2 USG/Min

AMINE REGENERATOR

Vessel Diameter	14" OD
Vessel Length S/S	5' S/S
Nozzle Rating	150#
Inlet / Outlet Nozzle Size	2"

REFLUX ACCUMULATOR

Vessel Diameter	10.75" OD
Vessel Length S/S	5' S/S
Nozzle Rating	150#
Inlet / Outlet Nozzle Size	2"

AMINE COOLER (HTC013)

Type	Ace E54R-6
Duty	174,100 Btu/Hr

REFLUX CONDENSOR (HTC013)

Type	Ace E54R-6
Duty	57,640 Btu/Hr