



MACHINE DATA SINITATOR SKID



The Sinitators (Scraped Surface Heat Exchangers) designed at SIPEPL is a combination of High Pressure Tubular Heat Exchangers where the heat exchange takes place, a Knife System mounted on a rotor and the ammonia cooling system. The emulsion pumped through the Positive Displacement Pump is shock chilled in the Sinitators when it passes through the annular space between the rotor shaft and the chilling tube.

Nominal Capacities

Specifications	300 kgs/hr	650 kgs/hr	1500 kgs/hr	2500 kgs/hr	4000 kgs/hr	5250 kgs/hr	Remarks
No. of Inner Tubes	3						
Cooling Surface per Tube(m ²)	0.048	0.104	0.38	0.575	0.96	1.28	
Annular Space	S1 - 7 mm/ S2,S3 - 8 mm						
Scraper Blade Type	Bulldog	Bulldog	Bulldog/ Floating	Bulldog/ Floating	Floating	Floating	
No. of Cuttings per Minute	1200						
Chilling Medium	NH ₃						
Refrigeration System	Individual Refrigeration System for Sinitators						
Drop Tank	Built-In						
Refrigerant Control	Motorized Valve in the Suction Line						
Temperature Control	Automatic through Controller						
Pressure Indication	√	√	√	√	√	√	
Motor Capacities*							
Sinitator 1	2.2KW	3.7 KW	11 KW	15 KW	22 KW	30 KW	
Sinitator 2	3.7KW	5.5 KW	11 KW	22 KW	37 KW	45 KW	
Sinitator 3	3.7KW	7.5 KW	18.5 KW	30 KW	45 KW	55 KW	
Speed Reduction Options							
Gearbox	Single Gear Reduction Parallel Shaft						
Pulley Driven	√	√	√	√	√	√	

* Motor Capacities may vary depending on the physical and chemical properties of the Product. Indicative only