

CARTER DAY

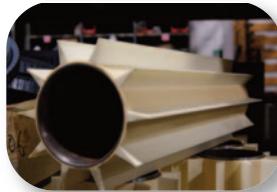
SCALPERATOR

STREAMERS AND FINES REMOVAL



The Stainless Steel Scalperator features scalping and aspiration in a single machine providing a high capacity and efficient method for removing streamers, agglomerates and fines in a single pass, surpassing the capabilities of traditional elutriators.

Incoming pellets pass over a molded urethane feed roll that accurately controls the process feed rate and provides a positive shut-off. The feed roll has high wear resistance and its smooth surface resists build-up of product and contamination.



The pellets then pass through a rotating perforated scalping reel which is used to eliminate streamers and other oversized material. The high volume aspiration channel then removes fines from the pellet stream.

An agglomerate plate ensures high capacity scalping performance and minimizes agglomerates and other particulate buildup behind the scalping reel.

A performance-engineered aspiration chamber and flow-modulated airlock valve provides high efficiency fines removal.



The Rotating Scalping Reel is constructed of a stainless steel perforated screen. The round hole perforated screen design eliminates blinding of the scalping reel.

The HTD Drive provides increased reliability and decreased downtime with minimal adjustment and maintenance.

Simplified design provides for easy clean out and routine maintenance. Windows allow the operator to monitor cleaning performance.

	3 x 4.5, slip		3 x 4.5, no slip		3.2 x 3, slip		Air Flow	
Model	kg/h	lbs/hr	kg/h	lbs/hr	kg/h	lbs/hr	m ³ /h	CFM
24 x 28	20,000	44,100	17,000	37,485	25,000	55,125	3,400	2,000
24 x 56	40,000	88,200	34,000	74,970	50,000	110,250	6,800	4,000
24 x 84	60,000	132,300	51,000	112,455	75,000	165,375	10,200	6,000
24 x 112	80,000	176,400	68,000	149,940	100,000	220,500	13,600	8,000

Capacities based on scalping reel with 1/2" (12.7 mm) diameter holes and bulk densities of 35lbs/ft³ (560 kg/m³). All air flow rates require 3" WC [0.75 kPa] of static pressure.