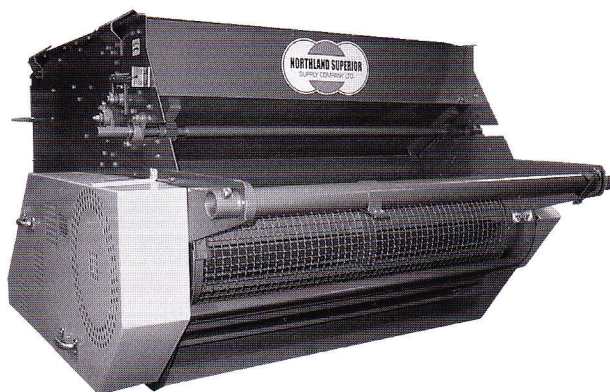


CRIPPEN NORTHLAND SUPERIOR SUPPLY CO.

SCALPER ASPIRATORS



Crippen Manufacturing's - NS Series of Scalper Aspirators are designed and manufactured to provide two main product separations. The first separation by means of scalping or removing large unwanted materials from the product streams. The second separation removes fines from the product stream by the use of controlled air flow through the product stream. Crippen Northland Superior Scalper Aspirators are engineered for use in the harshest of conditions in continuous operations.

Two basic models are available: open circuit which uses the external dust control system for air supply, and closed circuit which uses integral fans for air supply. Various options including scalper roll screens in wire mesh sizes from 5/8" to 1-1/4" center to center, rolled into 12", 18" and 24" diameter and in incremental lengths from 36" to 115" long provide for a wide range of available capacities and operating efficiencies.

Scalper Aspirator - Open Circuit

Model	Capacity (Wheat)		Feed Roll Motor (Option)	Scalper/Screw Motor	Air (CFM)	Weight Lbs	Length Inch	Width Inch	Height Inch
	Bu/Hr	Mt/Hr							
NS-12x36	1200	32	*2	1	2150	1600	107	64	41
NS-12x48	1600	43	*2	1.5	2800	2000	107	76	41
NS-12x60	2000	54	*2	1.5	3500	2500	107	88	41
NS-12x84	2800	76	*3	1.5	5000	3600	107	112	41
NS-12x101	3350	91	*3	2	5900	4300	107	129	41
NS-12x115	3800	104	*3	2	6700	4900	107	143	41
NS-18x84	4400	119	*3	2	5700	3700	120	116	53
NS-18x101	5300	143	*3	2	6900	4400	120	133	53
NS-18x115	6000	163	*3	2	7800	5000	120	147	53
NS-24x72	6000	175	*3	1.5	5600	3400	135	111	70
NS-24x72 DR	6500	177	*2	2	5600	3400	99	102	93
NS-24x115	9500	279	*3	2	9000	5400	135	154	70
NS-24x115 DR	11000	300	*3	3	9000	4800	99	145	93

Standard Features:

- Wire mesh or punched flat metal scalper roll screens in a wide variety of sizes.
- Adjustable air bleed-in
- Maintenance-free sealed bearings
- Poly belt drives
- Closed or open circuit
- Adjustable feed gate
- Aspiration velocity control.
- Air liftings discharge from either LH or RH of machine.

Scalper Aspirator - Closed Circuit

Model	Capacity (Wheat)		Feed Roll Motor (Option)	Scalper/Screw Motor	Fan Motors	Air (CFM)	Weight Lbs	Length Inch	Width Inch	Height Inch
	Bu/Hr	Mt/Hr								
NS-12x36	1200	32	*2	1	1x3	540	1800	78	69	57
NS-12x48	1600	43	*2	1.5	1x5	700	2200	78	81	57
NS-18x84	4400	119	*3	2	2x5	1425	4500	91	154	62
NS-18x101	5300	143	*3	2	2x5	1725	5600	91	170	62
NS-18x115	6000	163	*3	2	2x5	1950	6200	91	184	62
NS-24x72	6000	175	*3	2	2x5	1400	4800	91	141	62
NS-24x72 DR	6500	177	*2	2	2x3	1250	4700	81	144	99
NS-24x115	9500	279	*3	2	2x5	2250	7700	91	184	62
NS-24x115 DR	11000	300	*3	3	2x5	2000	7000	81	187	99

Optional Features:

- Fixed or variable speed feed rolls for uniform feed rate and positive shut off.
- Feed inlet agitator.
- Feed roll cavity spacers for precise volume control.
- Stainless Steel product contact areas for product flow lubricity.
- Abrasion liners on selected impact areas.

1. Closed Circuit Scalper Aspirators used re-circulated air from internal fans to separate or lift materials from the product mass.
2. Recommended usage is for primary or secondary cleaning applications containing 2% or less fines.
3. Typical applications: Wheat, Barley, Oats, Canola, Corn, Rice, Pulse Crops, Edible Beans, Soybeans, Sunflower, Safflower, Mustard, Sorghum, etc.

4. Capacities variable with physical characteristics of incoming product, outgoing specifications, scalper mesh size, moisture content and operating efficiency.
5. Proper setting of the air control adjustments is critical in optimizing performance of the Scalper Aspirator.