



Wichita, KS 67219
USA

Quote Number: 105893

Quote

Page: 1 of 8

Quote To:

Sreevalli Bokka
Geo-Tech Polymers, LLC
423 Hopewell Road
Roosevelt Bldg South
Waverly OH 45690
USA

Phone: 614-797-2300 X 26140
Fax:
Email: sbokka@geo-tech.com

Date: 7/11/2018

Sales Person: Kurt Meyers
Phone: 513-340-4069
Fax: 316-744-7355
kmeyers@kice.com

Paper Separation System - Budgetary Proposal Based on Initial Tests at Kice Laboratory

Revision 1 - 4/12/18 - Updated system design to clean up to 3,000-4,500 lbs./hr.
Revision 2 - 7/11/18 - Updated pricing and final configurations.

Sreevalli,

Thank you for your recent inquiry requesting a quote for a Kice Air Classification System using our Terminal Velocity Separator. We appreciate your interest and offer the following system designed to remove paper and fines from 3000-4,500 lbs./hr. of ground plastic/paper material. The material to be aspirated is to be dry, uniform and free flowing with a bulk density of 11-20 lbs. per cubic foot.

I have estimated the quantity of ductwork and fittings required to connect the system, please reference the attached equipment elevation drawing. Please use the unit pricing below to adjust to accomodate the actual layout requirements.

I have not included explosion protection to your equipment at this time. If you are unsure of the explosibility of your dust and need to confirm with third party testing, please let me know as i can assist with testing as well.

Lead time is approximately 12 weeks based on our current demand including approval drawings. Approval drawings will require 4-5 weeks to deliver and fabrication will require an additional 7-8 weeks to complete.

PLEASE NOTE THE ONLY SUPPORT STRUCTURE INCLUDED IS FOR THE DUST COLLECTOR, IF YOU NEED SUPPORT STRUCTURES FOR THE OTHER EQUIPMENT PLEASE LET ME KNOW WHICH ITEMS YOU NEED KICE TO SUPPORT.

Dollars

Line	Quantity	Part	Description
18	1	CYCLONE	CD24 Cyclone Collector

- Barrel material of construction to be 12 ga. carbon steel with 3/16" A.R. steel in the back of the inlet.
- Cone material of construction to be 12 ga. carbon steel.
- Inlet transition to 5" O.D.
- Clean air outlet to have a horizontal air outlet to 6" O.D. with damper
- Stock Outlet to mate 71A10-2 sightglass assembly.
- Continuous welds on exterior only.
- Four each carbon steel welded support pads.
- No door.
- Assembly hardware will not be stainless steel or equivalent unless otherwise specified.
- Product contact zones unpainted, all other carbon steel surfaces painted Kice white. Please specify otherwise.

- OPTION: Support Structure to provide 4' of clearance below stock outlet (not including vortex chamber). Constructed of carbon steel, painted Kice white. Add \$1785

For more information visit <http://www.kice.com/Products>

Industries, Inc.
Mill Heights Dr

ichita, KS 67219
USA



Phone: 316-744-7151
Fax: 316-744-7355

Quote Number: 105893

Quote

Page: 2 of 8

Quantity	Unit Price	Net Price
1 EA	2,128.00	2,128.00 USD

Line	Quantity	Part	Description
19	1	71A10-2	10" Aluminum Sight Glass Round to Round
Quantity		Unit Price	Net Price
1 EA		225.00	225.00 USD

Line	Quantity	Part	Description
20	1	VL18x10	VL18x10 AIRLOCK ASSY W/DRIVE
<ul style="list-style-type: none">- 10" round inlet and outlet- 32.25 ft³/min (1.29ft³/rev) displacement @ 100% fill- Mild steel construction throughout- Outboard flange bearings- Fabricated eight vaned, open-end rotor- Driven by 1 HP gearmotor, TEFC, 230/460/60/3- #50 chain drive to 25 rpm- Adjustable motor mount- Bolt on MOG2 wipers- Exterior surfaces painted Kice white; guards OSHA orange			
Quantity		Unit Price	Net Price
1 EA		5,528.00	5,528.00 USD

Line	Quantity	Part	Description
21	1	Terminal Velocity Seperator Assembly	Triple TVS 16-8 Assembly with Discharge Dampers and Custom Air Outlet Plenum
<ul style="list-style-type: none">- 8" diameter air outlet fitting with adjustment damper on each TVS- Inlet to mate 8" od collar- 16" diameter product discharge- Mounting feet located as needed- Carbon Steel Construction- Air outlet manifold assembly with 3 each 8" od inlet fittings to 14" od air outlet			
Quantity		Unit Price	Net Price
1 EA		12,787.00	12,787.00 USD

Wichita, KS 67219
USA



Quote Number: 105893

Quote

Page: 3 of 8

Line	Quantity	Part	Description
22	1	CYCLONE	CK54 Cyclone Collector
<ul style="list-style-type: none"> - Barrel material of construction to be 12 ga. carbon steel with 3/16" A.R. steel in the back of the inlet. - Cone material of construction to be 12 ga. carbon steel. - Inlet transition to 14" O.D. with Kice SFS flange. - Clean air outlet to have a horizontal air outlet to 14" O.D. with Kice SFS flange. - Stock Outlet to mate 71A10-2 sightglass assembly. - Continuous welds on exterior only. - Four each carbon steel bolt-on support pads. - Bolt-on inspection door in the cone. - Assembly hardware will not be stainless steel or equivalent unless otherwise specified. - Product contact zones unpainted, all other carbon steel surfaces painted Kice white. Please specify otherwise. - OPTION: Support Structure to provide 4' of clearance below stock outlet (not including vortex chamber). Constructed of carbon steel, painted Kice white. Add \$3465 			
For more information visit http://www.kice.com/Products			
		Quantity	Unit Price
		1 EA	5,835.00
		Net Price	
			5,835.00 USD

Line	Quantity	Part	Description
23	1	71A10-2	10" Aluminum Sight Glass Round to Round
		Quantity	Unit Price
		1 EA	225.00
		Net Price	
			225.00 USD

Line	Quantity	Part	Description
24	1	VL18x10	VL18x10 AIRLOCK ASSY W/DRIVE
<ul style="list-style-type: none"> - 10" round inlet and outlet - 32.25 ft³/min (1.29ft³/rev) displacement @ 100% fill - Mild steel construction throughout - Outboard flange bearings - Fabricated eight vaned, open-end rotor - Driven by 1 HP gearmotor; TEFC, 230/460/60/3 - #50 chain drive to 25 rpm - Adjustable motor mount - Bolt on MOG2 wipers - Exterior surfaces painted Kice white; guards OSHA orange - 36" Long Safety Discharge Chute 			
		Quantity	Unit Price
		1 EA	5,770.00
		Net Price	
			5,770.00 USD

Wichita, KS 67219
USA



Quote Number: 105893

Quote

Page: 4 of 8

Line	Quantity	Part	Description
25	1	ROUND FILTER	Kice Model VR77-10 Venturi-Jet Filter
<ul style="list-style-type: none">- Filter is complete with 907 square feet of filter media, selected to serve 6500 SCFM of dry, ambient, dust-laden air based on air to cloth ratio of 7.17:1. The Kice filter has an interstitial velocity of 193 FPM. Each unit will require approximately 12 CFM of free air at the compressor inlet @ 80-100 PSIG for bag cleaning.- Venturi-Jet cleaning system includes sequence controller, Venturi-Jet valves with supplementary valves, air tank, gauge, fittings, tubing, couplings, and pressure differential gauge. Controls are 100% solid state, 120VAC mounted in a NEMA 4 control box. Solenoid valves to operate the blast valves are NEMA 4.- Clean air chamber.- Tube sheet with safety hook on bottom side.- Filter housing designed to withstand operating conditions of 60 in. w.g. vacuum and 60 in. w.g. pressure, complete with hinged aluminum bag housing access door. Filter will be shipped factory assembled in major sections (i.e. housing and hopper), bags not installed.- 77 ea. 4 5/8 inch dia. x 10' 16oz polyester filter bags.- 77 ea. galvanized bag cages and stainless steel bag clamps.- Cyclonic inlet to 18 O.D., flanged, and located as required.- Air outlet transition to 19 O.D., flanged, and located as required.- Internal bars for structural support.- Exterior walkway with supports, handrail, and ladder.- 88.25 inch hopper with 60 degree pitch and discharge to mate a14x10x10 airlock. Hopper is to have an inspection door.- Magnehelic gauge.- Explosion Protection not included.- Support structure.- Carbon steel construction throughout except as noted above.- Removable internal bag changing platform.- Endress & Hauser, Soliphant FTM20-AN46A level sensor located in hopper.- Product contact zones unpainted, all other surfaces painted Kice white. Please specify otherwise.- Continuous welds on exterior only.			

For more information visit <http://www.kice.com/Products>

Quantity	Unit Price	Net Price
1 EA	25,976.00	25,976.00 USD



Phone: 316-744-7151
Fax: 316-744-7355

Quote Number: 105893

Quote

Page: 6 of 8

Line	Quantity	Part	Description
27	1	FAN	FC19 Fan
<ul style="list-style-type: none">- Arrangement #9FB heavy-gauge steel base with continuous welds.- Heavy-duty pillow block bearings.- Turned, ground, and straightened shaft.- Dynamically and statically balanced rotor with tapered hub and bushing.- Straight radial blade heavy-duty rotor.- Rotor to be fabricated of carbon steel.- Heavy duty housing with continuous welds.- Housing to be fabricated of carbon steel.- Sanitary design motor rails with integral drive tensioning mechanism.- 30 HP, 1800 RPM, 286T frame, class TEFC, 230/460/3/60 NEMA Premium efficient motor.- NOTE: TEFC motor with no environmental marking/T Code.- V-belt drive with 1.5 to 2.0 service factor.- Factory test run prior to shipment.- Inlet to 19" OD.- Flanged rectangular outlet.- Discharge transition to 19" OD.- Louvered damper.- Vibration isolation mounting pads.- Vibration isolation sleeve with clamps for fan discharge.- Vibration isolation sleeve with clamps for fan inlet.- Bolt-on inspection door.- Housing to have drain port in the bottom.- Option - Add \$3,134 for a discharge silencer assembly, add \$1,500 for silencer support stand.- Product contact zones unpainted, all other surfaces painted Kice white; guards painted safety orange. Please specify otherwise.			

Fan performance: 6500 CFM @ 15.0 inches of water using 25.3 BHP. Fan calculations are based on 875 feet above sea level and 70 deg. F.

For more information visit <http://www.kice.com/Products>

Quantity	Unit Price	Net Price
1 EA	10,183.00	10,183.00 USD



Phone: 316-744-7151
Fax: 316-744-7355

Quote Number: 105893

Quote

Page: 7 of 8

Line	Quantity	Part	Description
28	1	ROTARY STREAM	Kice RST18-30-8-3 Rotary Stream Splitter
<ul style="list-style-type: none">- Material of construction to be carbon steel, A.R. steel trough.- 3 ea. 8" OD outlets with adjustable gates.- Stock inlet with transition to VL18X10 AIRLOCK.- Driven by SM-CycloModel CNHM-6120-Y, 29:1 (60 RPM) ratio, gearmotor w/ integral 2 HP, 1725 RPM, TEFC, 230/460/3/60 energy efficient motor.- NOTE: Standard TEFC motor with no environmental marking/T Code.- Motor mounted on an SM-Cyclodrive gear reducer, model CNHX-6120-Y, 29:1 (60 RPM) ratio.- #60 chain drive to 45 RPM.- Fixed motor mount with adjustable idler sprocket.- Fully enclosed sanitary guards.- Product contact zones unpainted, all other surfaces painted Kice white; guards painted safety orange. Please specify otherwise.			

For more information visit <http://www.kice.com/Products>.

Quantity	Unit Price	Net Price
1 EA	9,795.00	9,795.00 USD

Line	Quantity	Part	Description
29	1	TUBING LOT	Estimated Tubing, Ductwork, and Fittings Required to connect the system

This is an estimate only, please verify final layout requirements and advise if any adjustments are required:

1	EA	ER14-90 Short Radius Ell, flanges welded to both ends
1	EA	SS14-96 Straight Section, 1 flange welded, 1 flange shipped loose
1	EA	ER15-45 Short Radius Ell, flanges welded to both ends
1	EA	BS18-6-15 Single Branch Fitting, 18 and 15 flanges, 6" tube collar
2	EA	SS18-96 Straight Section, 1 flange welded, 1 flange shipped loose
1	EA	ER18-90 Short Radius Ell, flanges welded to both ends
2	EA	SS19-120 Straight Section, 1 flange welded, 1 flange shipped loose
1	EA	ER19-90 Short Radius Ell, flanges welded to both ends
1	EA	ERV19-90 Short Radius Ell with internal turning vanes, flanges welded to both ends
4	EA	12B8 RotaJust Elbow
20	FT	Painted Round Tubing 14ga, 8" OD, Carbon Steel
12	EA	Compression Coupling With White Gasket and SS Ground Strip, 8" OD tube, 2 bolt, Galvanized Construction
40	FT	Painted Round Tubing 11ga, 6" OD, Carbon Steel
10	EA	82M6-4CW Compression Coupling with White Gasket and SS Ground Strip, 6" OD tube, 4 bolt, Galvanized Construction
2	EA	Elbow, C/S, 6" od, 11 Ga, 36" Clr, 90 degree., w/ Minumum Tangents, Plain Ends, Raw Steel/Painted
1	EA	6" OD short radius 90 degree elbow, carbon steel

Quantity	Unit Price	Net Price
1 EA	11,384.00	11,384.00 USD

Grand Total \$ \$95,439.00

Industries, Inc.
Hill Heights Dr
White, KS 67219
USA



Phone: 316-744-7151
Fax: 316-744-7355

Quote Number: 105893

Quote

Page: 5 of 8

Line	Quantity	Part	Description
26	1	AIRLOCK	VJX 14x10x10 Airlock

- 10" square inlet and outlet with a displacement of 0.67 CFR at 100% full.
- Cast gray iron housing and endplates with plow type inlet.
- Patented replaceable outboard bearing cartridge - integrated bearing and PTFE shaft seal.
- Cast ductile iron eight-vaned, "open end" rotor.
- Driven by SM-CycloModel CNHM-6095-Y, 29:1 (60 RPM) ratio, gearmotor w/ integral 0.75 HP, 1725 RPM, TEFC, 230/460/3/60 energy efficient motor.
- NOTE: Standard TEFC motor with no environmental marking/T Code.
- #50 chain drive to 30 RPM.
- Fixed motor mount with adjustable idler sprocket.
- Fully enclosed sanitary guards.
- Bolt-on rotor tips and sides of 3/16" thick polyurethane material.
- 0.003" to 0.005".
- Inlet shunt required per DWG.3-4013.
- Product contact zones unpainted, all other surfaces painted Kice white; guards painted safety orange. Please specify otherwise.

For more information visit <http://www.kice.com/Products>

Quantity	Unit Price	Net Price
1 EA	5,603.00	5,603.00 USD