



HPP
HEMP PROCESSING PARTNERS

6635 West 28th Street – Greeley, CO 80634 / Ph. 719-469-1215

1,000-4,000 lb/hr Hemp Cleaning System





Equipment for Hemp Cleaning System:

Line	Qty.	Part	Description
1	1	Hemp to Screener Drag Conveyor	<ul style="list-style-type: none"> - Cleated belt conveyor for feeding cleaning system. - Driven by 2hp, TEFC motor
2	1	Drum Screener – Model # EC-48	<ul style="list-style-type: none"> - Rectangular inlet and outlet. - Fabricated steel endplates and housing. - External shaft bearings. - 3/16" opening Screen - Bolt-on sight glass on drive end. - Hinged inspection doors. - Driven by 2 hp, class TEFC, 230/460v/3ph/60hz, C-face motor. - Mounted on an SM-Cyclodrive gear reducer, 29:1 ratio, 60 rpm output. - #60 chain drive to 40 rpm. - Adjustable motor mount. - Screener pitched at 15deg angle - Fully enclosed sanitary guards. - Painted with Kice white equipment enamel, guards are painted OSHA orange. - 79NL6 Lid covering dust control port - Discharge transition to 8"OD to mate inlet of BF-42 - CUSTOM PAINT - GUARDS ONLY: RAL 6018 HPP GREEN
3	1	Material Spreader	<ul style="list-style-type: none"> - Gravity Flow Material Spreader - Inlet to mate discharge of EC48
4	1	Multi-Aspirator – Model # 4E12	<ul style="list-style-type: none"> - Carbon Steel. - All slides on the air inlet side to be removable. - 3/16" thick welded in A.R. steel liners on all slides.



- Clear Lexan Doors with De-Sta-Co latches.
- 1 ea. sample port with cap in the bottom slide.
- Support feet.
- Product contact zones unpainted, all other surfaces painted Kice white. Please specify otherwise.

Line	Qty.	Part
5	1	Bud Buster – Model # BF-42

Description

- Housing constructed of carbon steel.
- Stock inlet to 8"OD
- Free air inlet.
- Thrus outlet transition to 8"OD
- Overs outlet transition to 8"OD.
- 15" diameter factory balanced carbon steel rotor with adjustable beater bars.
- 10 HP, 1800 RPM, frame, class TEFC, 230/460/3/60 NEMA Premium efficient motor.
- NOTE: Standard TEFC motor with no environmental marking/T Code.
- Adjustable motor mount.
- Totally enclosed sanitary belt guard.
- V-belt drive with 1.5 to 2.0 service factor.
- Screen type: 2mm.
- Quick opening inspection doors on both sides, safety switches not included.
- Exterior mounted product flow control vanes.
- Sanitary square tubing support stand. Per DWG 4-35763
- Product contact zones unpainted, all other surfaces painted Kice white; Kice blue on doors only.
- CUSTOM PAINT - GUARDS & DOORS ONLY: RAL 6018 HPP GREEN



HPP
HEMP PROCESSING PARTNERS



Line	Qty.	Part	Description
6	1	Cyclone Receiver – Model # CK-30	<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 8" O.D.– Clean air outlet to have a horizontal air outlet to 9" O.D.– Stock Outlet to mate Vortex Chamber.– Vortex chamber to mate 10x8x8 airlock flange.– Continuous welds on exterior only.– Four each carbon steel bolt-on support pads.– Cyclone support structure to provide 4' of clearance below stock outlet (not including vortex chamber).– Bolt-on inspection door in the Vortex Chamber.– 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.
7	1	Cyclone Discharge Airlock Valve – Model # VJH 10x8x8	<p>Description</p> <ul style="list-style-type: none">– 8" square inlet and outlet with a displacement of .33 CFR at 100% full.– Cast gray iron housing and endplates with plow type inlet.– Inboard bearings with double lipped neoprene seals.– Patented replaceable cartridge - integrated bearing and PTFE shaft seal.– Cast ductile iron eight-vaned, "open end" rotor.– Driven by SM-CycloModel CNHM-6100-Y, 29:1 (60 RPM) ratio, gearmotor w/ integral 0.5 HP, 1725 RPM, TEFC, 230/460/3/60 energy efficient motor.– NOTE: Standard TEFC motor with no environmental marking/T Code.– #50 roller chain driven to 25 RPM.– Fixed motor mount with adjustable idler sprocket.– Fully enclosed sanitary guards.– Support feet.– Bolt-on rotor tips of 3/8" Thick rubber belting, 1" undercut on tips, 1/2" undercut on sides.



- Finger guard on the airlock discharge.
- Product contact zones unpainted, all other surfaces painted Kice white; guards painted safety orange. Please specify otherwise.
- CUSTOM PAINT - GUARDS ONLY: RAL 6018 HPP GREEN

Line	Qty.	Part	Description
8	1	Baghouse Filter – Model # VR21-10	<ul style="list-style-type: none"> - Filter is complete with 198 square feet of filter media, selected to serve 1300SCFM of dry, ambient, dust-laden air based on air to cloth ratio of 6.57:1. The Kice filter has an interstitial velocity of 158 FPM. Each unit will require approximately 4 CFM of 80-100 PSIG compressed air at tank inlet 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 100 in. w.g. vacuum and 100 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. - 21 ea. 4 5/8-inch dia. x 10' Oleophobic filter bags. - 21 ea. galvanized bag cages and stainless-steel bag clamps. - Cyclonic inlet to 9" O.D. and located as required. - Air outlet transition to 9" O.D. and located as required. - Internal bars for structural support. - Exterior walkway with supports, handrail, and ladder with ladder safety system (1 EA Miller VI-GO and Miller TRCS-SC manual cable sleeve). - 44-inch hopper with 60-degree pitch and discharge to 30 gal steel drum assembly.



- Magnehelic gauge.
- 4 ea. legs. Standard legs provide up to 4' of clearance underneath the flange of the hopper. (Additional clearance will require a structure to be used.)
- Carbon steel construction throughout except as noted above.
- Removable internal bag changing platform.
- Product contact zones unpainted, all other surfaces painted Kice white. Please specify otherwise.
- Continuous welds on exterior only.
- Explosion Protection not included.

Line	Qty.	Part	Description
9	1	Negative Pressure Fan – Model # FC-11	<ul style="list-style-type: none"> - Arrangement #4F 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.
- Narrow width high static, 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.
- 10 HP, 3600 RPM, 215T frame, class TEFC, 230/460/3/60 NEMA Premium efficient motor.
- NOTE: TEFC motor with no environmental marking/T Code.
- Totally enclosed sanitary belt and shaft guard.
- Factory test run prior to shipment.
- Inlet to 9" OD.
- Flanged rectangular outlet.
- Discharge transition to customer specifications.
- 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.
- 12x12 Kinetics silencer.
- Silencer support supplied by others unless otherwise quoted.
- Product contact zones unpainted, all other surfaces painted Kice white; guards painted RAL 6018 HPP Green. Please specify otherwise.

Line	Qty.	Part	Description
11	1	Support Structure	<ul style="list-style-type: none"> - Support Structure to house Drum Screener, Spreader and Aspirator with ladder and catwalk around screener - Carbon Steel Construction - Painted Kice White



Line	Qty.	Part
12	1	Interconnecting Ductwork

Description

- Interconnecting ductwork and spouting for entire cleaning system.
- Aluminum fittings for clean air portions of system.
- Carbon Steel fittings for material handling portions of the system, painted Kice white
- **Changes from typical layout may require additional spouting pieces at additional cost.**

Line	Qty.	Part
13	1	Motor Control Panel

Description

- UL Approved NEMA 4 Motor Starter Panel.
- Main Disconnect Circuit Breaker – 460VAC/3Ph/60Hz
- Control Power Transformer
- Motor starter with branch circuit protection for each motor in cleaning system
- VFD control for screener, bud buster, and fan
- Allen Bradley illuminated Start/Stop push buttons with motor running indication
- Allen Bradley 3 position selector switch for filter cleaning operation
- Enclosure cooling fan and vents
- All control terminals pre-wired to terminal blocks for ease of field termination

Quincy QGS Rotary Screw Air Compressor with Dryer — 7.5

HP, Tri-Voltage: 200-208 V, 230V, 460V, 3-Phase, \$9,999.00

SB1094 5 HP Cyclone Dust Collector- \$5,599.00

TYPICAL HEMP CLEANING SYSTEM

