

Bag Break Station

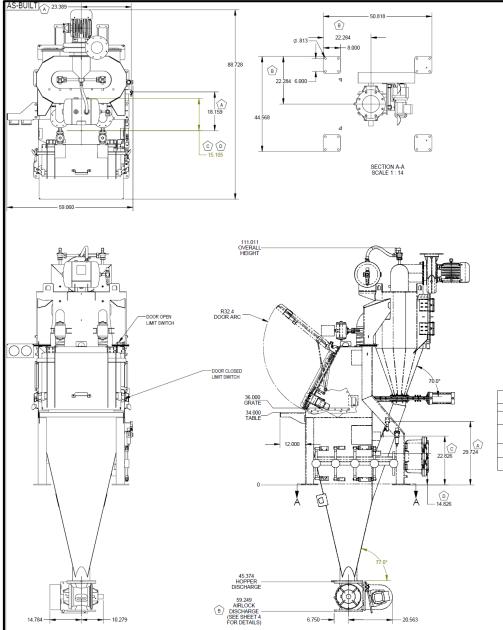
Application Details:

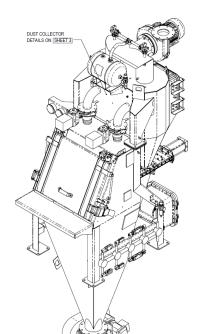
NBE CSO: E402040043
Material: Calcium Stearate
Bulk Density: 64.3 lbs/ft³
Particle Size: Fine Powder
Flowability: Non-free flowing
Area Classification: CID2 and CIID1
Discharge Rate: 10,000 lbs/hour

Application Overview:

NBE provided a bag break station with rotary air-lock and remote dust collector. The rotary air-lock discharged into an existing hopper that fed a pneumatic conveying system. The equipment was designed to meet a CID2 and CIID1 area classification. To assist and promote product discharge, all material contact parts are electropolished, the hopper included 77 °sloping walls and a dust collector to pulse clean the filters and discharge all material out of the Bag Break Station. Customer had height constraints and a section of the bag break station hopper went through a mezzanine to keep the grate height at operator level.







NOZZLE SCHEDULE						
ITEM	DESCRIPTION	SIZE	RATE			
Α	SYSTEM AIR	3/8" NPT	10 CFM @ 70 PSI			
В	DISCHARGE	SCHENCK MTA30 AIRLOCK (SHEET 4)	N/A			
С	VENT	Ø4" STUB	N/A			
D	VENT	Ø2" STUB	N/A			

MACHINE WEIGHT (EMPTY): 1450 LBS

APPROVED: PROCEED AS DRAWN

REVISIONS				
.ET	REVISION NOTES	NAME	DATE	
Α	APPROVAL CREATED	KJM	9/15/20	
В	ADDED BONDING LUGS, LIFTING LUGS, AND EQUIPMENT INFO	KJM	10/14/20	
С	REDUCED DUST COLLECTOR VOLUME TO 8 FT*3	KJM	11/12/20	
D	ADDED SHIPPING BRACKETS	KJM	01/26/21	
Е	CHANGED ENCLOSURE, ADDED P321721-01S & -02S	KJM	04/19/21	

CUSTOMER PO: 4502190018 NBE CSO: E402040043

NBE JOB: J38411 APPLICATION INFO:

 MATERIAL: CALCIUM STEARATE, 64.3 PCF, POOR FLOWABILITY, TACKY POWDER

CONSTRUCTION

FLUSH.

- ALL PRODUCT CONTACT SURFACES ARE CONSTRUCTED FROM 316 STAINLESS STEEL ELECTROPOLISHED
- ALL STAINLESS STEEL MATERIAL 7GA AND THINNER WILL BE 2B FINISH
- · ALL STAINLESS STEEL MATERIAL THICKER THAN 7GA WILL BE MILL FINISH
- · ALL STAINLESS STEEL MATERIALS TUBING AND PIPE WILL BE MILL FINISH
- ALL PRODUCT CONTACT WELDS FOR DUST COLLECTOR CONE, RETURN PIPES, AND BAG BREAK BELOW GRATE ARE GROUND SMOOTH AND FLUSH TO 120 GRIT. REMAINING INTERIOR IS GROUND SMOOTH NOT NECESSARILY
- ALL NON-PRODUCT CONTACT SURFACES ARE CONSTRUCTED FROM 316 STAINLESS STEEL
- ALL NON-PRODUCT CONTACT WELDS ARE CONTINUOUS, GROUND TO REMOVE IRREGULARITIES, AND PASSIVATED
- PURCHASED PARTS ARE PROVIDED WITH STANDARD CONSTRUCTION FINISH/PAINT.

BAG BREAK STATION DETAILS:

- 25 FT³ HOPER CAPACITY
- . 8 FT^3 DUST COLLECTOR AIR CAPACITY (EA)
- 77° HOPPER CONE
- DUST COLLECTOR AND RETURN LINES AT 70°
- TRANSITION TO SHENCK MTA30 ROTARY AIRLOCK
- AIRLOCK PRODUCT CONTACT IS 316SS WITH POLISHED ROTOR TO CG120 GRIT FINISH
- PLEATED PTFE FILTER CARTRIDGES, ANTI-STATIC

CONTROLS

- POWER SUPPLY: 460VAC/3 Ø /60HZ
- CONTROL VOLTAGE: 24 VDC
- AREA CLASSIFICATION: DUAL RATED CLASS II DIV I GROUP G; CLASS I DIV II, GROUPS C & D
- ENCLOSURES: NEMA 4X SS
- X-PURGE KIT
- VFD FOR ROTARY AIRLOCK, CONTROL FOR AIRLOCK BY OTHERS
- LIGHT TO INDICATE DOOR OPEN/CLOSED
- SCHENCK MTA30 ROTARY AIRLOCK CONTROL VOLTAGE 120VAC

APPROVED WITH REVISIONS NOTED

NOT APPROVED: REVISE AND RESUBMIT

DRY

OATE

APPROVED WITH REVISIONS NOTED

NOT APPROVED: REVISE AND RESUBMIT

12888 STAINLESS DR, HOLLAND, MICHIGAN 40424

THE DOCUMENT CONTAME PROPRETAY INFORMATION AND IS THE PROPERTY OF INTIONAL BULK EQUIPMENT, INC. THE INFORMATION HAS BEEN DETERMINED TO BE COMMISSIONED AND DEAL BUT OF REPRODUCES, ODES, OUR LEED IN MOSE OF IN MATERIAL PROPERTY OF INTIONAL BULK EQUIPMENT, INC.

MINISTER CONSENT OF INTIONAL BULK EQUIPMENT, INC.

MODEL CREATOR KAM T1/20/20 DWG BY: KAM DATE 09/15/20/20

itional Bulk Equipment

BAG BREAK HOPPER

BAG BREAK HOPPER

BAG BREAK HOPPER

BAG BREAK HOPPER

WWw.nbe-iscom

Worker 50 500042 13 2 00F 5 D A309149 E





