



CIP Sanitary Solid Core Screw Conveyor with Articulating Discharge Height

Application Details:

NBE CSO: E601460079

Material: Various Food Powders

Bulk Density: ~35 to 50 lbs/ft³

Particle Size: Varies

Flowability: Semi-Free Flowing

Area Classification: General Industrial

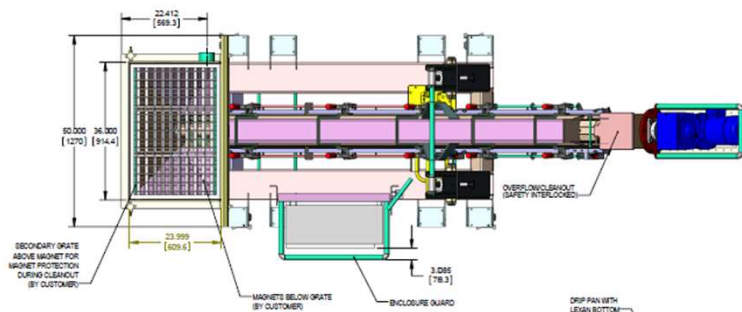
Clean Procedure: High Pressure Hot Water

Sanitation: Designed to USDA Standards

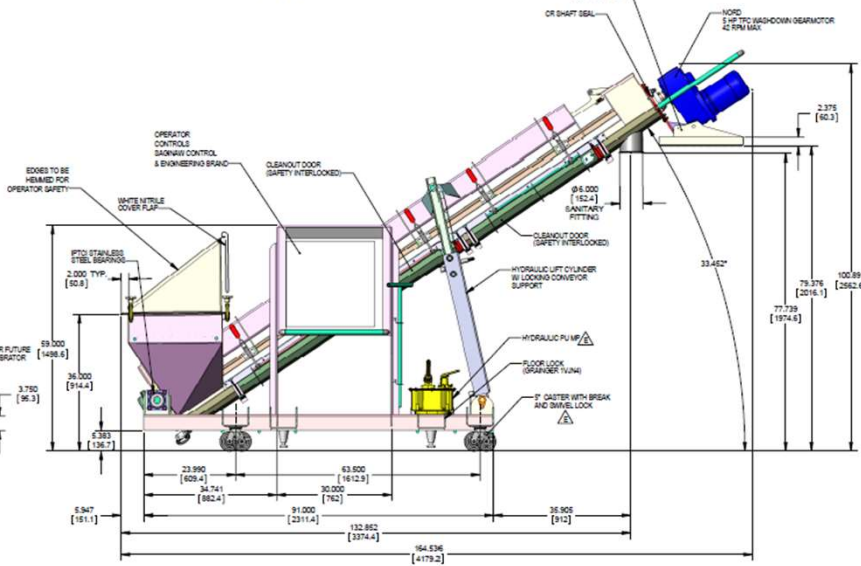
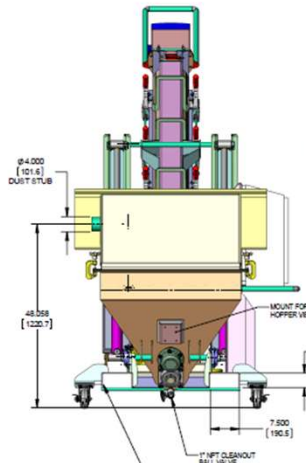
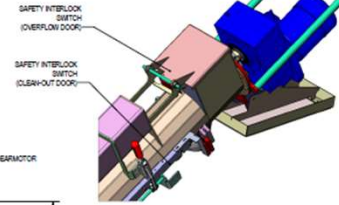
Application Overview:

Custom sanitary bag break station with integrated Clean-in-Place (CIP) screw conveyor provided by National Bulk Equipment. The screw conveyor's bottom hinged covers provide access for cleaning inside the auger assembly without the need to disassemble or move the equipment to a clean room. In addition, the integrated manual hydraulic jack provides flexibility for discharging into vessels of various heights or maneuvering through height restrictions.

COMPONENT LIST		
QTY	DESCRIPTION	NBE P/N
2	IPDC1 1/2" SS 4 BOLT FLANGE BEARING	9101508
2	IPDC2 1/2" SS 4 BOLT FLANGE BEARING	9101509
2	ADDY 1/2" DIA. SHIELD SHAFT PEAR	9101510
4	ALBARK 9" DIA. W/25.0 CEG-SS	9101612
4	GRANIZER 4" FLOOR LOCK	9101702
10	DE-STA-CO 3/8" SS CLAMP	9102005
8	MOGUL 1 1/2" CAM ROLLER	9101707
1	NBE 42 W/1/2" TYP. GUARD/COVER	9102100
3	ABB INTERLOCKING SAFETY SWITCH	9205150
1	HYDRA-LIC HAND PUMP	9010004
2	3 1/2" BORE X 1/2" HYDRA-LIC CYLINDER	9101548
1	MONITOR LEVEL SENSOR	9205175



REV	DATE	NAME
A	3/9/2015	EJM
B	4/1/2015	EJM
C	4/23/2015	EJM
D	5/4/2015	EJM
E	5/10/2015	KAR
F	08/17/15	DA



**CSO E601460079
CUSTOM CIP AUGER**

MATERIAL SPECIFICATIONS:
 MATERIAL: INSTANT POTATO FLAKES (19.7 LBS/ CU FT)
 FREE FLOWING
 1500 LB/HOUR CAPACITY
 MATERIAL: COOKIE MIX (36.2 - 38.7 LBS/ CU FT)
 COMPACTABLE
 2000 LB/HOUR CAPACITY (41.2 LBS/ CU FT)
 MATERIAL: ANGLE FOOD CAKE MIX
 FREE FLOWING
 2200 LB/HOUR CAPACITY

CONSTRUCTION SPECIFICATIONS:
 NON-PRODUCT CONTACT SURFACES:
 PAINTED CARBON STEEL
 WELD TO BE STITCH WELDS - CONTINUOUS ONLY
 IF NEEDED FOR STRENGTH
 STEEL-IT EPOXY PAINT
 NBE LOGOS
 PRODUCT CONTACT SURFACES:
 304 STAINLESS STEEL
 WELDS TO BE CONTINUOUS AND GROUND TO REMOVE
 IRREGULARITIES
 8" OD AUGER W/ 3 1/2" SOLID CORE
 AUGER FLIGHTING CONTINUOUSLY WELDED TO CORE PIPE
 CEMA W WELD AND SURFACE FINISH-FINAL SCOTCHBRITE FINISH
 ON ALL SURFACES
 DROP-BOTTOM AUGER TROUGH FOR CLEANABILITY
 HORIZONTAL SURFACES TO BE ELIMINATED WHERE POSSIBLE
 AUGER RAISING/LOWERING VIA MANUAL HYDRAULIC SYSTEM
 (4) 5" PLATED SWIVEL CASTERS W/
 POLYURETHANE WHEELS, BREAK AND SWIVEL LOCK
 (6) FLOOR LOCKS (GRABBER TYP.)
 IPDC1 BRAND 3/4" STAINLESS STEEL BEARINGS
 WHITE NITRILE RUBBER HOPPER COVERS

ELECTRICAL SPECIFICATIONS:
 230VAC/3 PHASE/3 W/2 POWER SUPPLY
 NEMA 4X ENCLOSURE
 24VDC CONTROLS
 ALL CLEANOUTS & GRATES TO BE SAFETY INTERLOCKED

APPROVED: PROCEED AS DRAWN	DATE: 08/17/15
APPROVED WITH REVISIONS NOTED	DATE: 08/17/15
NOT APPROVED: REVISE AND RESUBMIT	DATE: 08/17/15

National Bulk Equipment
 1081 STANLISS DR., HOLLAND, MICHIGAN 49424
 PHONE: (616) 346-2220 www.nbe-eq.com

MODEL: E601460079
 ASSEM: CUSTOM CIP AUGER CS-304SS
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