



DIVERSIFIED STORAGE SYSTEMS  
(888) SILO-SYS (888) 745-6797

## ***PORTABLE Lo-Pro BATCHING SILO MANUAL***



Legal 8'-6" Wide Legal 13'-6" Tall Overall Length is 26'



### **Portable Lo-Pro Batching Silo**

- 800 CF. capacity (30 ton) \*\*Cement
- Low-Profile design.
- 10" screw conveyor 12cu. ft. per minute discharge capacity.
- 10HP Electric Motor.
- Loss weight batching computer.
- Cone fluidizer system with distribution tank.
- 4- speed jacks.
- Overload protection with high level alarm.
- Other options available

*\*\*Cement can weigh between 88-94 lbs. per cubic foot depending on how aerated it is.*

46 Pioneer Parkway  
Sulphur Springs, TX 75482

Phone 903-919-0600  
Fax 903-919-0601

[www.CementSilos.com](http://www.CementSilos.com)



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## ***PORTABLE Lo-Pro BATCHING SILO MANUAL***

### **Portable Lo-Pro batching silo**

The Standard DSS Low Profile Batching Silo is equipped with all the necessary equipment for operation. Electrical power to the panel and an air supply is all that is needed. The unique feature of this silo is it's low profile design. A crane is not required to set up this unit in the field.

Be sure to keep the silo as moisture free as possible. Foreign objects or hardened cement will cause the auger system to jam. Clean out holes are installed in the auger to free jammed material. If the silo is not to be used for an extended length of time it should be cleaned out completely, as not to have hardened material dislodge into the auger system upon resumption of use. The auger system is designed to start under a full load, if some problem occurs jam gates are installed at the auger inlet points so material can be shut off from the auger in emergency situations. Keep the bearings greased (do not over grease) and check the lubricant level in the gear box, as it is not to run dry. Running dry will cause major damage to power transmission unit. Keep the auger discharge free of cement build up. Remove the boot sock occasionally and free any hardened materials. Neglect causes the drive to be over worked and could cause the motor to burn out.

The silo is equipped with a belle style dust collector. Be sure to check the dust socks for excess build up of cement. . The socks need to be checked to make sure they stay on the holders and the cleanout compartment cleaned out properly. Neglect may cause damage to the dust socks or possible damage to the silo. Care of these units depends on how much they are used.

The silo is equipped with an emergency pop-off valve. If the socks or air transfer system would plug, the valve would lift up relieving the pressure. The valve is adjusted by DSS but may need further adjusting on site. **DO NOT OVERTIGHTEN.** Do not over fill the silo. Over filling of this unit could cause a hazardous situation. The air transfer system will plug and the pop-off valve may also be rendered unable to function, causing the dust collector to break loose or the top to be forced open or possibly off. **BE CAREFUL NOT TO OVERFILL**



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## ***PORTABLE Lo-Pro BATCHING SILO MANUAL***

These instructions are a guideline to setting up a Diversified Storage System 800c.f. (200Brrl) lo-profile silo.

### **DO NOT FILL THE SILO WITH PRODUCT UNTILL THE SCALE HAS BEEN ENERGIZED AND CALIBRATED**

#### **Equipment Required:**

1. Concrete pad or suitable foundation.

#### **Specifications:**

The size of the silo - the 200c.f. silo weights 12,000lbs empty , it is 8'-6" wide. It is 26' in length and 13'-6" tall.

1. There are four leveling jacks, one on each corner.
2. The foundation needs to be fairly level.

**Foundation** - The silo needs a suitable foundation able to withstand the weight of the silo fully loaded, that can be up to 88,000 lbs, depending on the product. It can be a concrete foundation or compacted dirt with steel freeway plates over top. Local building codes and soil condition need to be followed when deciding on the foundation. **It is the customers responsibility to determine the proper foundation.**



Use the leveling jacks on each corner to level the silo. The silo must be level for proper accuracy of the load cells.



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### Collector Specifications

Total Filtration Area	150 Sq. Ft.
Air to Cloth Ratio (ACFM/Sq.')	2.5
Pressure Drop (in. H 2O)	6"
Air Capacity	375 C.F.M.
Outlet Area (Sq.')	.58
Cleaning Method	Shaker Plate
Vibrator (Air or Electric)	Rotary Style
Vibrator Air Consumption (High Press.)	8 CFM (Max)
Vibrator Power	120 V/ 1 ph
Duty Cycle	1.5 hours
Normal Operating Pressure	8 - 15 PSI *
Max Operating Pressure	20 PSI *
Over pressure relief settings	18 PSI *

### Filter Bag Specifications

Filter Bag Count	18 Snap hung style
Replacement Filter Bag Model #	DC150snap
Dimensions	8" OD X 48" Height
Filter Area (Per)	8.33 Sq. '
Material Weight	9 oz. / Sq. Yd.
Fiber	100% Polyester
Construction	Spun/Spun
Permeability	25 c.f.m.
Mullen Burst Dry	500 PSI
Temperature Limit	275 Deg. F.
Efficiency (PM-10)	99.99%

### Vibrator Specifications

<b>Air Vibrator</b>	Model V-190
VPM @ 60 PSI	4200
CFM @ 60 PSI	7.5 CFM
Noise @ 60 PSI	70 db
Control	Manual
<b>Electric Vibrator</b>	Model 2P-75
Voltage/amps	115v/0.5 amp
VPM	3600
Noise	60 db.
Control	Auto/Manual

### Collector Performance (PM-Reg.)\*\*

0.0 - 0.5 Micron	99.98% Passing
0.5 - 1.0 Micron	0.02 % Passing
1.0 - 20.0 Micron	0.0% Passing

\*\* Typical Portland Cement is 44 Micron

### Mounting Options

Bin Vent Mount (Silo Top)  
Base Mount (Optional Base Needed)  
Trailer Mount (Portable Applications)

\* This style unit does not use magnahelic gauge. Dust Collector performance is measured by back pressure at load line.

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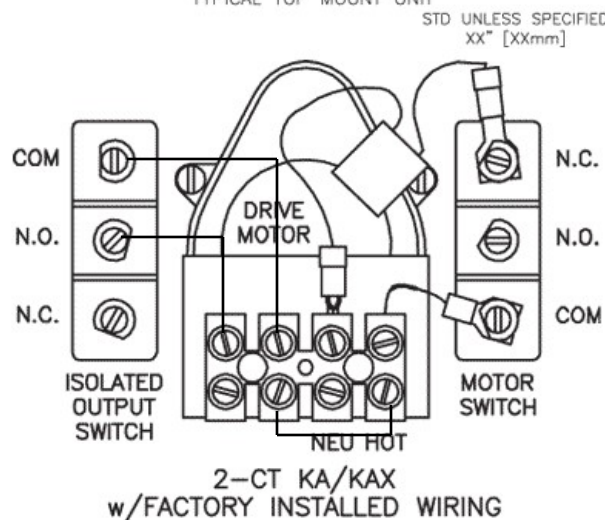
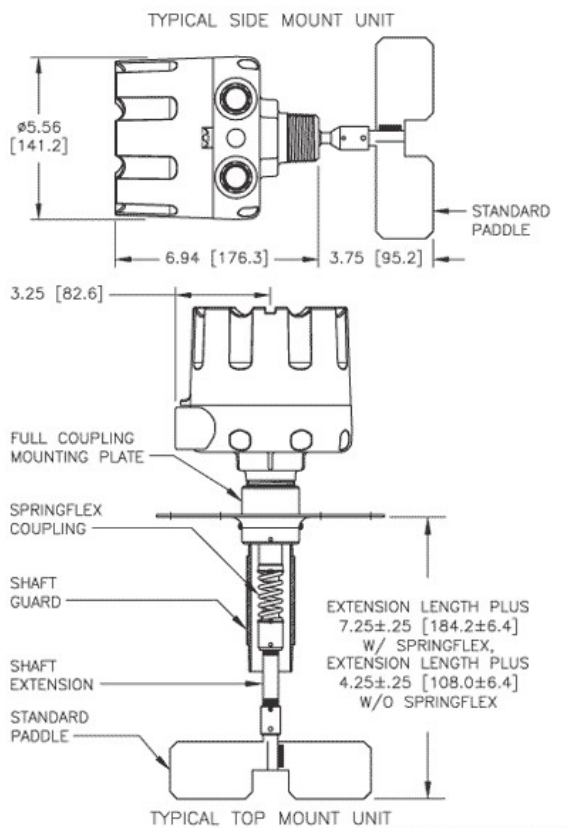
(888) SILO-SYS (888) 745-6797

## PORTABLE Lo-Pro BATCHING SILO MANUAL

Monitor's line of rotary paddle bin monitors consists of the most reliable, rugged and economical point level control sensors available for detection of dry bulk materials. These easy to install units are proven performers in a wide variety of bulk materials. Monitor's paddle units can be used to eliminate bin overflow, maintain a predetermined material level, indicate plugging of conveyors and pneumatic lines or provide any of a number of level control functions. Unlike many other available paddle units, Monitor's paddle level indicators incorporate a feature that automatically shuts off the motor of the unit when the paddle is in a stalled position, which both extends the life of the motor and minimizes maintenance.

The operation of Monitor's paddle level control products is quite simple. The unit is installed through the wall of the vessel, so that the paddle protrudes inside the vessel. A small electric motor drives a paddle which rotates freely in the absence of material.

When the paddle is impeded by material, the motor rotates within the housing which triggers two switches. The first switch is a "dry" electrical contact closure that is available to control a process function or alarm circuit. The second switch cuts the power to the motor, preventing a locked rotor condition, thus extending motor life. This also activates the signaling device which is wired through that same motor switch. When the material level drops, the loaded stretched tension spring returns the motor to its original running position and the unit is reactivated.





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## ***PORTABLE Lo-Pro BATCHING SILO MANUAL***

### **Maintenance**

#### ***Motor:***

See Page 6-9

Your silo may be equipped with a Baldor, Lesson or World Wide Motor. Maintenance is the same on all.

#### ***Gear Box:***

See Page 10-13

Your silo may be equipped with a Dodge or Hub City gear box. Maintenance is the same on all.

#### ***Dust Collector:***

The dust collector socks should get a visual inspection once a month. Check for excessive build-up on the socks. Make sure the vibrator is working. If the socks are clogged they should be replaced. The overflow compartment below the dust collector should be checked on a weekly basis and cleaned out as needed. The compartment should be no more than half full of material.

#### ***Auger:***

Bottom bearing and lube block needs greased every 40 hours of use.

Top bearing needs to be greased every 200 hours of use

#### ***Filling the Silo:***

Truck filling should not exceed 10-12 PSI. **DO NOT OVERFILL!**



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## **PORTABLE Lo-Pro BATCHING SILO MANUAL**

### **Maintenance Motor**

**Table 3-2 Service Conditions**

Severity of Service	Hours per day of Operation	Ambient Temperature Maximum	Atmospheric Contamination
Standard	8	40° C	Clean, Little Corrosion
Severe	16 Plus	50° C	Moderate dirt, Corrosion
Extreme	16 Plus	>50° C* or Class H Insulation	Severe dirt, Abrasive dust, Corrosion, Heavy Shock or Vibration
Low Temperature		<-30° C **	

\* Special high temperature grease is recommended (Dow Corning DC44). Note that Dow Corning DC44 grease does not mix with other grease types. Thoroughly clean bearing & cavity before adding grease.

\*\* Special low temperature grease is recommended (Aeroshell 7).

**Table 3-3 Lubrication Interval Multiplier**

Severity of Service	Multiplier
Standard	1.0
Severe	0.5
Extreme	0.1
Low Temperature	1.0

**Table 3-4 Bearings Sizes and Types**

Frame Size NEMA (IEC)	Bearing Description (These are the "Large" bearings (Shaft End) in each frame size)					
	Bearing	OD D mm	Width B mm	Weight of Grease to add * oz (Grams)	Volume of grease to be added	
					in <sup>3</sup>	tea- spoon
56 to 180 incl. (63 to 112)	6206	62	16	0.19 (5.0)	0.3	1.0
210 incl. (132)	6307	80	21	0.30 (8.4)	0.6	2.0
Over 210 to 280 incl. (180)	6311	120	29	0.61 (17)	1.2	3.9
Over 280 to 360 incl. (225)	6313	140	33	0.81 (23)	1.5	5.2
Over 360 to 449 incl. (280)	6319	200	45	2.12 (60)	4.1	13.4
Over 5000 to 5800 incl. (355)	6328	300	62	4.70 (130)	9.2	30.0
Over 360 to 449 incl. (280)	NU319	200	45	2.12 (60)	4.1	13.4
Over 5000 to 5800 incl. (355)	NU328	300	62	4.70 (130)	9.2	30.0
<b>Spindle Motors</b>						
76 Frame	6207	72	17	0.22 (6.1)	0.44	1.4
77 Frame	6210	90	20	0.32 (9.0)	0.64	2.1
80 Frame	6213	120	23	0.49 (14.0)	0.99	3.3

\* Weight in grams = .005 DB

Note: Not all bearing sizes are listed. For intermediate bearing sizes, use the grease volume for the next larger size bearing.



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### **Maintenance Motor**

#### **Lubrication Procedure**

Be sure that the grease you are adding to the motor is compatible with the grease already in the motor. Consult your Baldor distributor or an authorized service center if a grease other than the recommended type is to be used.

**Caution:** To avoid damage to motor bearings, grease must be kept free of dirt. For an extremely dirty environment, contact your Baldor distributor or an authorized Baldor Service Center for additional information.

#### **With Grease Outlet Plug**

1. With the motor stopped, clean all grease fittings.
2. Remove grease outlet plug.

**Caution:** Overgreasing can cause excessive bearing temperatures, premature lubrication breakdown and bearing failure.

3. Add the recommended amount of grease.
4. Operate the motor for 15 minutes with grease plug removed. This allows excess grease to purge.
5. Re-install grease outlet plug.

#### **Without Grease Provisions**

**Note:** Only a Baldor authorized and UL or CSA certified service center can disassemble a UL/CSA listed explosion proof motor to maintain it's UL/CSA listing.

1. Disassemble the motor.
2. Add recommended amount of grease to bearing and bearing cavity. (Bearing should be about 1/3 full of grease and outboard bearing cavity should be about 1/2 full of grease.)
3. Assemble the motor.

#### **Sample Lubrication Determination**

Assume - NEMA 286T (IEC 180), 1750 RPM motor driving an exhaust fan in an ambient temperature of 43° C and the atmosphere is moderately corrosive.

1. Table 3-1 list 9500 hours for standard conditions.
2. Table 3-2 classifies severity of service as "Severe".
3. Table 3-3 lists a multiplier value of 0.5 for Severe conditions.
4. Table 3-4 shows that 1.2 in<sup>3</sup> or 3.9 teaspoon of grease is to be added.

Note: Smaller bearings in size category may require reduced amounts of grease.





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### Maintenance Motor

#### Section 3 Maintenance & Troubleshooting

**WARNING:** UL rated motors must only be serviced by authorized Baldor Service Centers if these motors are to be returned to a flammable and/or explosive atmosphere.

##### General Inspection

Inspect the motor at regular intervals, approximately every 500 hours of operation or every 3 months, whichever occurs first. Keep the motor clean and the ventilation openings clear. The following steps should be performed at each inspection:

**WARNING:** Do not touch electrical connections before you first ensure that power has been disconnected. Electrical shock can cause serious or fatal injury. Only qualified personnel should attempt the installation, operation and maintenance of this equipment.

1. Check that the motor is clean. Check that the interior and exterior of the motor is free of dirt, oil, grease, water, etc. Oily vapor, paper pulp, textile lint, etc. can accumulate and block motor ventilation. If the motor is not properly ventilated, overheating can occur and cause early motor failure.
2. Use a "Megger" periodically to ensure that the integrity of the winding insulation has been maintained. Record the Megger readings. Immediately investigate any significant drop in insulation resistance.
3. Check all electrical connectors to be sure that they are tight.

##### Lubrication & Bearings

Bearing grease will lose its lubricating ability over time, not suddenly. The lubricating ability of a grease (over time) depends primarily on the type of grease, the size of the bearing, the speed at which the bearing operates and the severity of the operating conditions. Good results can be obtained if the following recommendations are used in your maintenance program.

##### Type of Grease

A high grade ball or roller bearing grease should be used. Recommended grease for standard service conditions is Polyrex EM (Exxon Mobil).

Equivalent and compatible greases include:

Texaco Polystar, Rykon Premium #2, Pennzoil Pen 2 Lube and Chevron SRI.

– Maximum operating temperature for standard motors = 110° C.

– Shut-down temperature in case of a malfunction = 115° C.

##### Lubrication Intervals

Recommended lubrication intervals are shown in Table 3-1. It is important to realize that the recommended intervals of Table 3-1 are based on average use.

Refer to additional information contained in Tables 3-2 and 3-3.

Table 3-1 Lubrication Intervals \*

NEMA / (IEC) Frame Size	Rated Speed - RPM					
	10000	6000	3600	1800	1200	900
Up to 210 incl. (132)	**	2700 Hrs.	5500 Hrs.	12000 Hrs.	18000 Hrs.	22000 Hrs.
Over 210 to 280 incl. (180)		**	3600 Hrs.	9500 Hrs.	15000 Hrs.	18000 Hrs.
Over 280 to 360 incl. (225)			* 2200 Hrs.	7400 Hrs.	12000 Hrs.	15000 Hrs.
Over 360 to 5800 incl. (300)			*2200 Hrs.	3500 Hrs.	7400 Hrs.	10500 Hrs.

\* Lubrication intervals are for ball bearings. For vertically mounted motors and roller bearings, divide the lubrication interval by 2.

\*\* For motors operating in this speed range, contact Baldor for lubrication recommendations based on specific motor and application.



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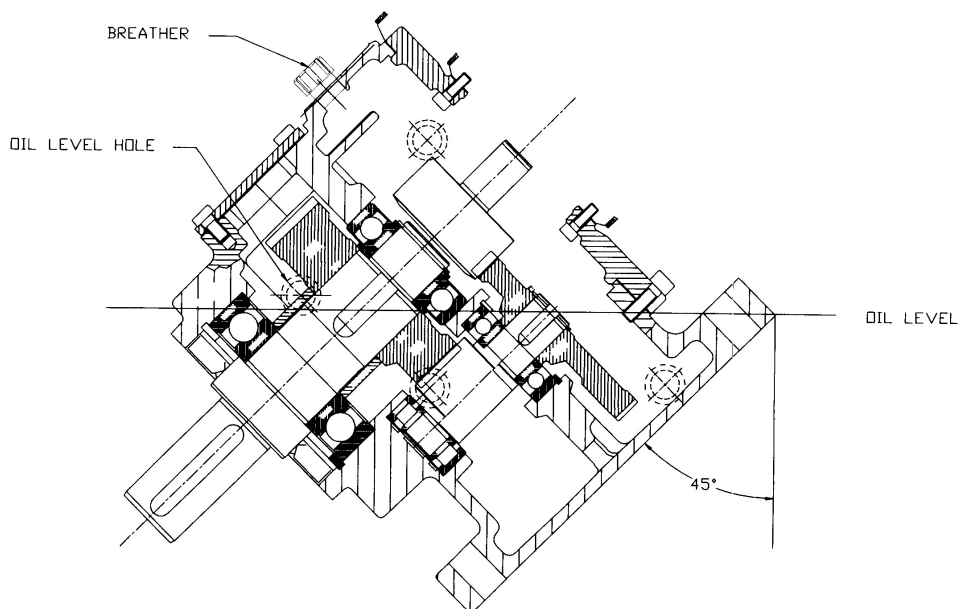
### **Maintenance Gear Box**

PORTABLE LO-PROFILE BATCHING SILO  
HB682CN210TC / 9.73A4SI1.625"

MOUNTING POSITION FROM A4 POSITION  
45 DEGREES MINUS BETA (CW) ROTATION

INSTALLATION INSTRUCTIONS: (SEE ILLUSTRATION BELOW)

- WITH THE REDUCER IN THE 45 DEGREE OPERATING POSITION, FILL OIL TO THE BOTTOM OF THE OIL LEVEL HOLE USING MOBIL SHC630 SYNTHETIC OIL. THE OIL LEVEL HOLE IS THE UPPER HOLE TOWARDS THE OUTPUT END LOCATED ON THE LEFT HAND OF THE REDUCER WHEN VIEWED FROM THE INPUT END.
- INSTALL BREATHER INTO HOLE ON THE TOP OF THE REDUCER NEAR THE INPUT END.



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## PORTABLE Lo-Pro BATCHING SILO MANUAL

### Dust Collector Timer



#### PROGRAMMABLE WALL SWITCH MODEL T1033A - SINGLE POLE FOR LIGHTS AND MOTORS

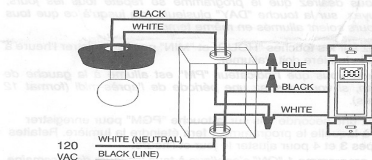
##### THE MAXIMUM LOAD MUST NOT EXCEED :

Resistive	20 A	Incandescent or halogen lighting, block heater, etc.
Inductive	20 A	Ballast equipped installations as : fluorescent or sodium lamp, etc.
Motor	1 HP	Pool filter, fan, etc.

Under 120 VAC / 60Hz

#### INSTALLATION

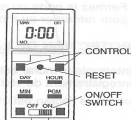
##### WIRING DIAGRAM



- 1 - Turn off the power at the circuit breaker to avoid electrical shock.
- 2 - Remove and disconnect the existing switch.
- 3 - Connect each wall switch lead to each circuit conductor as shown in above diagram.
- 4 - Restore power at circuit breaker.

#### POWER-ON

1. Lift up the bottom of the door using a small screwdriver.
2. Ensure that the ON/OFF switch is set to ON.
3. Press on the "RESET" button using a paper clip. On the display, 0:00 and MO should flash.



If there is nothing on the screen, test the following points :

- a) Maybe the ON/OFF switch located at lower part of the unit is not properly engaged in ON position. Push it to the right using a small screwdriver.
- b) If the wall switch controls a lamp equipped with an On/Off switch, care must be taken to keep the lamp switch in ON position.

#### SETTING TIME AND DAY

Before starting programming, you have to set the hour format (12 hour & 24 hour). You can change the time format anytime from 24 hrs. to 12 hrs. and back. To do so, maintain MIN key press down as HOUR key is pressed and released. Then, release MIN key.

1. Set the day by using the DAY key. If the current day is Tuesday, press and release DAY key until TU indicator appears on the lower area of the screen.
2. Set the time by using the HOUR and MIN keys. For the 12 hour time format, if you are setting an afternoon or evening time, make sure that the PM indicator is turned on at left side of the screen.
3. Close the door or press on one of the "CONTROL" keys to return to normal operation.

#### OPERATING MODES

The wall switch has 2 operating modes : the MANUAL and AUTOMATIC modes.

In the MANUAL mode, the wall switch is like any normal single pole switch. By pressing on the door, the user turns on and turns off the light. The display shows the MAN indicator as well as light state (ON or OFF).

The AUTOMATIC mode executes in sequence (hourly) the user's recorded programs. To place the wall switch in this mode, press on the door for 3 seconds until AUTO appears on the screen. The display shows the active program number and the light state (ON or OFF).

To override temporarily the programming, press on the MODE button. The overridden state indicator will flash to show that this state is temporary. The override remains in effect until overridden again or until the next program is reached.

#### RECORDING THE PROGRAMS

The memory of this wall switch can hold up to 7 programs. Each program consists of a time ON (turn on) and a time OFF (turn off) which can be run for a single day or for everyday of the week.

**ATTENTION : Both ON and OFF programming sequences must be recorded.**

1. Open the door of the wall switch using a small screwdriver.
2. Press on the PGM key.

The display will show the number 1 (program 1) on the lower right corner and the program state (ON/OFF) on the upper right corner. Note that the clock is replaced by -- : -- showing that the selected program is not activated.

3. Press on the DAY key to select the day to which you want the light to turn on.

If you want the program to be repeated each day of the week, keep pressing on DAY several times until every day of the week appears on the screen.

4. Press on the HOUR and MIN keys to set the time to which you want the light to turn on.

Make sure that PM indicator appears on the screen if you want an afternoon period (12 hour time format).

5. Press a second time on PGM key to set the time for the light to turn off. Repeat steps 3 and 4 to set the time.

If the program 1 ON is set for every day of the week, the program 1 OFF will automatically be set for every day.

6. To enter programs 2 to 7, repeat steps 2 to 5.

If you need only one program, just leave the others inactive. If you want to erase a program, select it by using the PGM key and then hold PGM key for 3 seconds. The program will be erased when the display will show -- : --.

7. Close the door or press on one of the "control" keys to return to normal operation.

#### MEMORY BACKUP

This wall switch is equipped with a rechargeable battery which will protect your programs during a power shut down.

Note that the screen blanks during a power failure.

#### CHARACTERISTICS

Model : T1033A- SINGLE POLE  
Supply : 120 VAC, 50 / 60 Hz  
Load : 2400 watts resistive or inductive, 1 HP motor  
Approvals : CSA & UL  
Storage temperature range : -20 °C to 50 °C  
Operating temperature range : 0 °C to 50 °C

#### WARRANTY

AUBE TECHNOLOGIES INC. ONE YEAR LIMITED WARRANTY

This product is warranted against material defects and workmanship in normal use for a period of one year, from the date of the original purchase from authorized dealers. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

This limited warranty is in lieu of all other warranties, obligations or liabilities expressed or implied by the company. In no event shall AUBE technologies inc. be liable for consequential or incidental damages resulting from installation of this product. Within this period, any product proven defective in normal use will be repaired or replaced, at AUBE's option, without charge for either parts or labour, provided that the defective product with the original sale receipt is returned to the original dealer or is shipped pre-paid, insured and addressed to :

AUBE technologies Inc., 705 Montrichard, Saint-Jean-sur-Richelieu, (Quebec), Canada, J2X 5K8

Fax: (450) 358-4650  
service@aubetech.com  
www.aubetech.com

If you have any questions concerning the installation or the programming of the wall switch, please call our technical assistance at (450) 358-4600 for the Montreal area or 1-800-831-AUBE for outside area between 8:30 AM and 5:00 PM, Monday to Friday.

09/16/05 400-033-001-B

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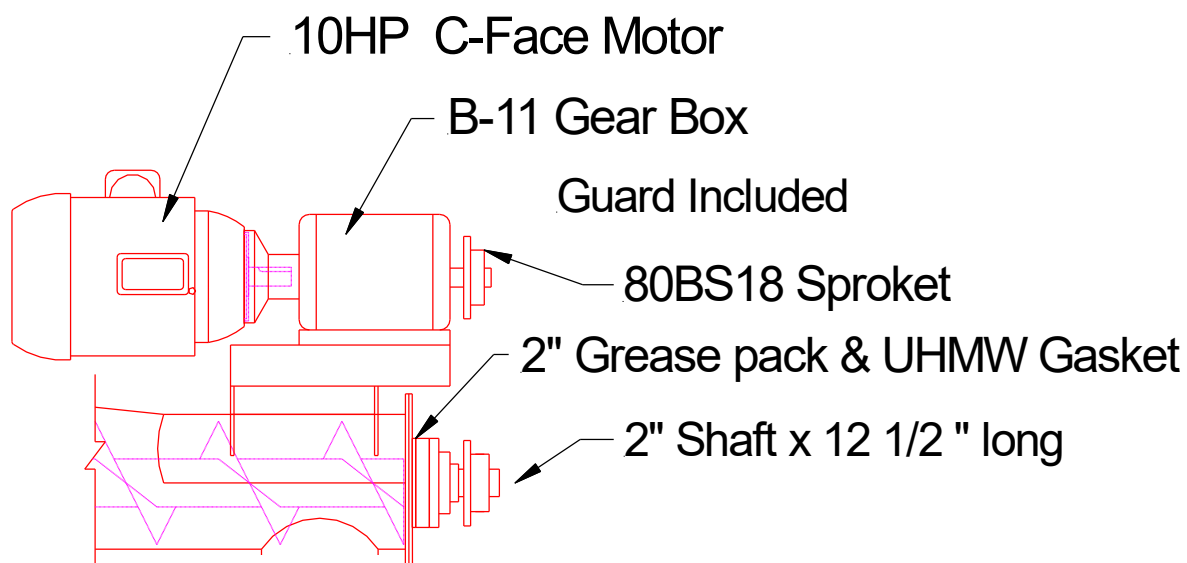
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### **Auger Details**



#80 Chain Req.  
27 Links + Master Link

\*\*Sprocket sizes vary depending on application.

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## ***PORTABLE Lo-Pro BATCHING SILO MANUAL***

### **Low Pro Silo 200-S**

("Low Pro Silo 200-S" has 800 c.f. capacity)

## **Operating Instructions for silo with Rindstrom 411**

**First make sure scale head is reading zero, If not press tare.**

### **To Run Discharge Auger Manually:**

Turn **Hand/Off/Auto** (HOA) switch on panel to **Hand** position.

### **Checking Gross Weight in Hopper:**

Press and hold **TARE** button on scale until the weight is displayed "**Gross Indicator light on**".  
("Gross" is the weight of the product in the hopper.)

### **Setting Batch Weight:**

Press **TARGET** button, (displays previous weight.)

Press **OK** button to keep weight, or

Key in new batch weight (i.e. 400), then press **OK**, (displays new batch weight)

Press **OK**.

### **Starting Batch Cycle:**

#### **Auto Mode:**

Turn **Hand/Off/Auto** (HOA) switch on panel to **Auto** position.

### **At the Scale:**

**Start Batch Cycle** - Press **START BUTTON**

(Note: there must be product in the hopper to start batch)

**Pause Batch Cycle** - Press **STOP** Button.

(To restart and finish batch cycle press **START** again, auger will stop at the end of the batch)

**Abort Batch Cycle** - Press **STOP** while auger is in the "**Stop Mode**" press **STOP** again to confirm.

### **Silo High Level Alarm:**

Silo will hold approximately 63,000 lbs. gross weight of cement. (Lighter weight materials, the silo gross weight capacity will be less.)

If the silo becomes full, the **RED HIGH LEVEL LIGHT** and horn will turn on. If high level horn goes on, press the **GREEN HIGH LEVEL RESET BUTTON** on silo panel. This will shut off the horn. Have the truck driver stop until there is enough room to hold the rest of the load. If silo is full the **RED HIGH LEVEL LIGHT** will stay on.

**Note:** Check baghouse often to prevent overfilling and damage to filters. Replacement filters can be purchased from DSS (805) 247-0418 ex 25.

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## **PORTABLE Lo-Pro BATCHING SILO MANUAL**

### **Variable Speed Control Instruction**

This silo is equipped with a Allen Bradley variable speed drive.

To operate and change the drive speeds follow the below instructions.

To operate:

Auger switch on electrical panel is in the hand position.

Then use the remote

To **START/STOP**.

To change speed (Hz) use the UP/  
DOWN arrows.

The mode button is for programming and  
should not be touched.

The R/F button is disabled.

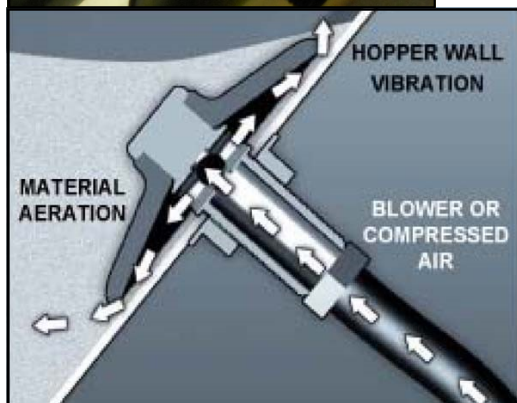




DIVERSIFIED STORAGE SYSTEMS

(888) SILO-SYS (888) 745-6797

## **PORTABLE Lo-Pro BATCHING SILO MANUAL**



Our silos come equipped with all fluidizers connected to a manifold with individual valves. We recommend running the air only when needed, beginning of the day. Run 2 valves 2-3 minutes at a time rotating through the manifold.

**Aeration**—loosens product allowing it to flow – minimum back pressure puts energy where it is needed the most – in the silo.

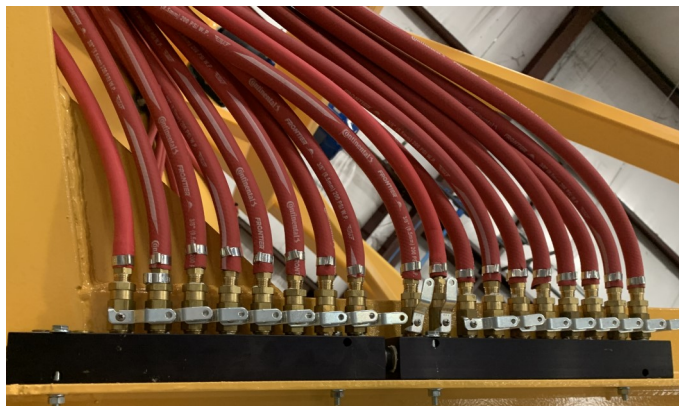
**Directional Air Flow** – forces air to move along the bin wall, freeing product, assuring good clean-out.

**Gentle Vibration** – keeps product flowing, without allowing it to compact or plug.

**No Airline plugging**— Disk seals tightly against the silo wall and prevents airline plugging.

**Robust Design** — Will not tear if cut, pick up moisture and is unaffected by temperatures up to 350° F (170° C) and up to 120 psi.

**Material Compatible**— Silicone rubber standard in blue or white (both food grade/FDA approved), or black or white EPDM.



### OLI VBI Specifications

Disk	4" Silicone Rubber
Stem	Steel
Air Feed Fittings	3/8" NPT
Installation Hole	7/8"
Length of Stem	1 5/8"
Airline Options	3/8" - 1/2"
Capacity	10—20 CFM @ 20—30 PSI

### OLI VBI Applications

Silos, Bins, Hoppers, Rail Cars, Bulk Trailers

### OLI VBI Performance

Spacing Influence @ 20 PSI	24" from Each
Spacing Influence @ 30 PSI	36" from Each
Max PSI	120 PSI

46 Pioneer Parkway  
Sulphur Springs, TX 75482

Phone 903-919-0600  
Fax 903-919-0601

[www.CementSilos.com](http://www.CementSilos.com)



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## **PORTABLE Lo-Pro BATCHING SILO MANUAL**

### **Parts List**

#### **Standard Electric Drive**

10hp/3ph/60hz 220/480v Electric Motor, C-face

Gear Box Dodge Quantis

80BS18 x 2" Sprocket

80BS24 x 2" Sprocket

80 Chain

9" x 17' -0 Auger RH Flighting

2" x 12 1/2" Tail Shaft

Bearing pack - 2" 4 bolt

LBS KIT 2"

Chain Tensioner

ELM-10-480

DPG-10-DODGE

DP-S-80-18-2

DP-S-80-24-2

DP-CH80

DP-AU-1017R

DP-AU-112TS

BG-2-FLG

07-2-LBSKIT

DP-TSTE5

#### **150sq. ft Dust Collector**

Electric Vibrator 2p75

8" x 48" Polyester Sock (18) D-842

VI-2P75

FL-13-48-SAT-SNP

#### **Additional Parts**

OLI VBI Fluidizer (12)

Electric Vibrator on cone OLI 690

Monitor High Level Indicator KA 115

Foam Seal on 20" manway (top)

Foam Seal on Pressure relief valve

UHMW Block on Jam Gate

Rindstrom Scale

Load Cell

FU-VBI

VI-MVE-690

ELBN-K-115

SP-KN-20-S

SP-WAM-VCP-R

VA-WAM-UH

SC-RN411

SC-25K-

#### **Electrical Parts**

AB power flex 525

3P 30amp circuit breaker

1P 5amp circuit breaker

Transformer 350VA

IEC Starter with overload relay

Programmable Automatic timer

ELIN-AB-525-10-480

EL-DIN-SP-3D300

EL-DIN-SP-ID050

EL-TR-350VA

EL-IEC-C12D10

EL-RL-TIMER

Silo Serial # \_\_\_\_\_

Your parts may vary from above, Please have silo serial # available when ordering parts

**Parts can be ordered through DSS at (888) 745-6797**

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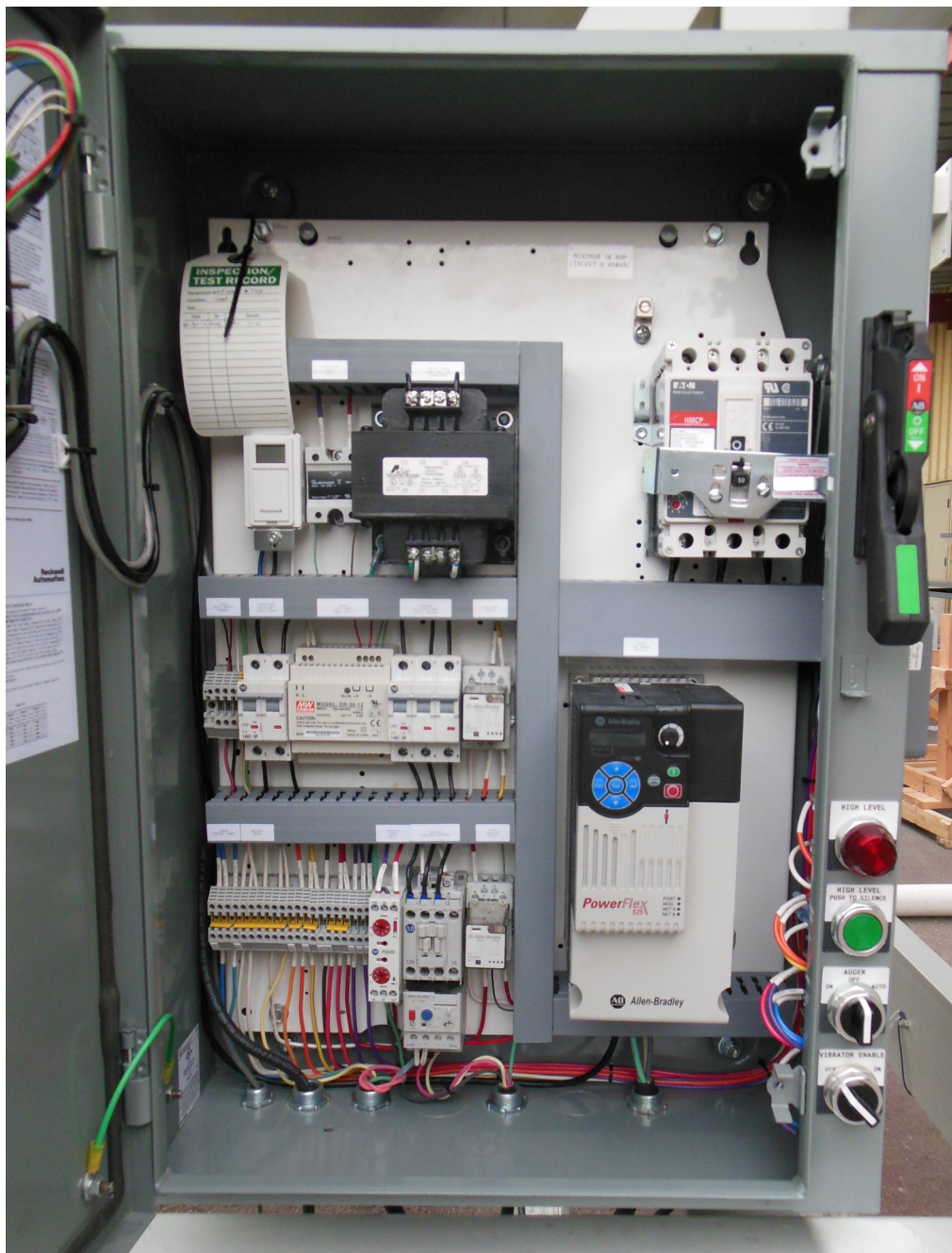




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## ***PORTABLE Lo-Pro BATCHING SILO MANUAL***

### ELECTRICAL PANEL



When connecting power a #8-4 SO or #6-4 SO Cord will be needed depending on proximity to power.

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