



DIVERSIFIED STORAGE SYSTEMS

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

1500 Super Sack Silo Operating Manual



Silo Specifications

Silo Weight (empty)	4,500 Lbs.
Silo Size	170 Cubic Feet
Silo Capacity	15,000 Lbs. (7 1/2 tons)
Dimensions	9'H X 8'-6"W X 14' L
Discharge Height	5' to 8'
Conveyor Type	7" Screw Conveyor
Conveyor Drive	Hydraulic
Power	Honda Gas Motor
Control Power	12V DC
Scale Type	Electronic Load Cell (4)
Scale Controller	GSE 355
Batch Software	Loss-weight (DSS)

Silo Description

SupersaX silo system is a portable self-contained silo designed to store dry bulk products (cement) to be used on job sites or in plant applications. The design has many features that make the *SupersaX* silo system a must need in applications where semi-bulk or super sacked products are used. The silo can store up to 15,000 Lbs. of bulk product to be metered out using our exclusive loss-weight batching system. This allows the operator the precise control for batching product into a mixer or a process. The silo has adjustable legs to allow for ease of transport and proper discharge height under the conveyor. Filling the silo is done by using a forklift to lift the product over hatches on top of the silo. These hatches are designed for quick access and water tight to prevent moisture contamination. The silo has a work platform to allow operator safe access to the top of the silo to assist with bag loading.



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1500SS

("1500SS" has 170 c.f. capacity)

Operating Instructions for silo with GSE 355

To Run Discharge Auger With Hand Held Start/Stop:

Turn **Off/On/Start** switch motor to **On** position.

1. Push **GREEN** button is to start motor, Turn on scale head by flipping the **BLUE** switch to on.
2. Push **RED** button to turn off motor.
3. Push **YELLOW** button is to pause auger.
4. Push **BLUE** button is to jog auger.
5. Push **BLACK** button to start batch, and if paused push **BLACK** button to restart batch.

Checking Gross Weight in Hopper:

Press **SELECT** 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 **ENTER** button to keep weight, or

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

P.A.1 =0, Press **ENTER**. **P.A. 2 = 0**, Press **ENTER**. (System is Ready)

Starting Batch Cycle:

Auto Mode:

Turn **Off/On/Start** switch on panel to **On** 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 **PAUSE/RESTART** Button.

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

Abort Batch Cycle - Press **STOP** while auger is in the "**Stop Mode**"

End Of Day

1. Turn off scale by flipping **BLUE** switch to off.
2. Turn motor key to off.

Silo Level

Silo will hold approximately 15,000 lbs. gross weight of cement. (Lighter weight materials, the silo gross weight capacity will be less.)

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Scale Controller:

On/Off Switch



Hand Held Remote:

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If Using the Water Tank to add to you grout or mixer.

- 1) Fill the tank to desired gallons, clear site tube with gallon markers is on the tank.
- 2) Pull the valve to add the predetermined amount of water.
- 3) Close valve and refill for next batch.



Water site tube

Release Valve

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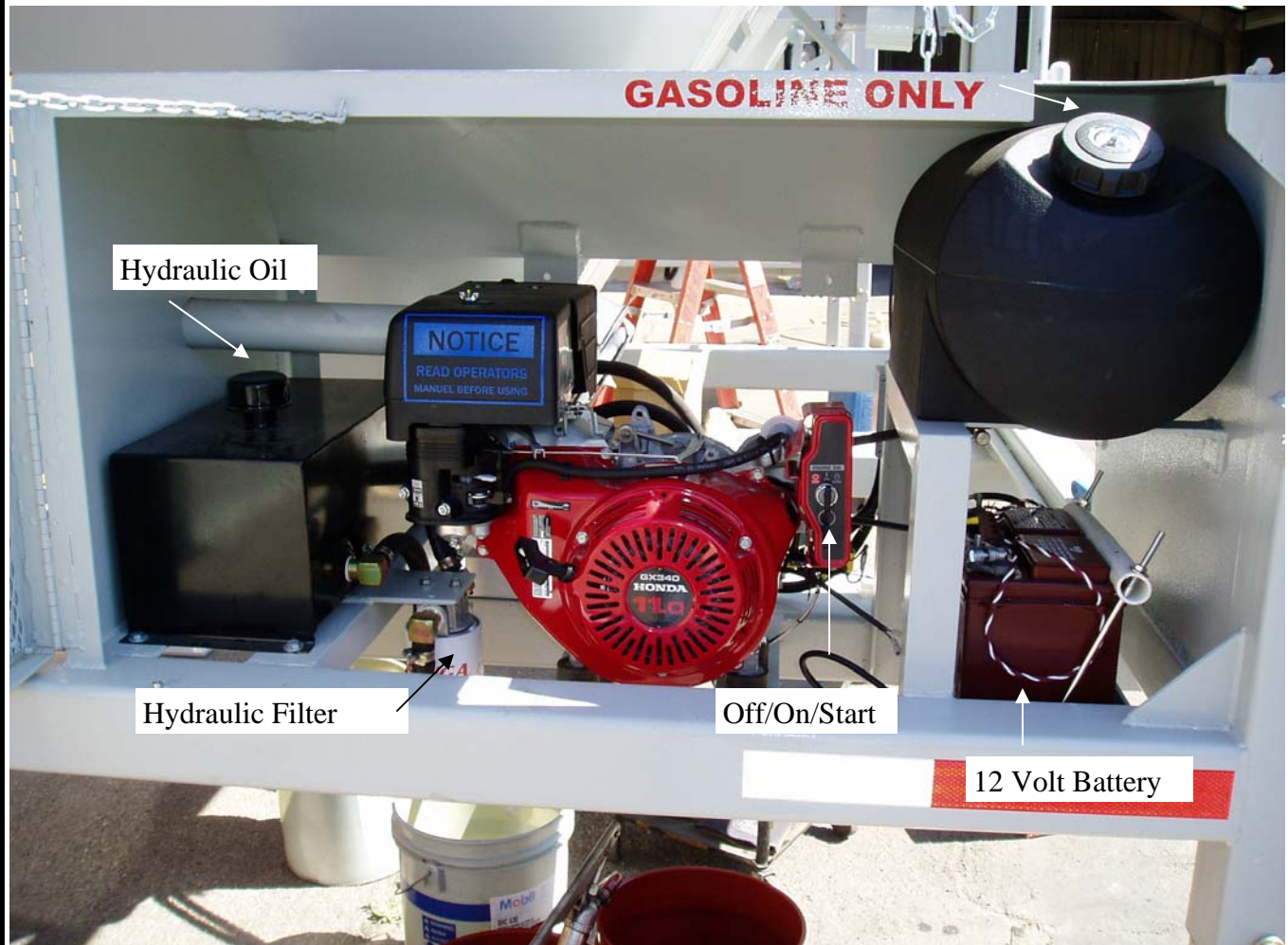
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Daily Checks:

1. Motor Oil
2. Gasoline

Weekly Service:

1. Check Air Filter (Once a Week)
2. Grease Bearings (Once a week 2-5 Pumps in each Bearing)
3. Check Hydraulic Fluid Level



Service

1. Change Hydraulic Oil ever 500 Hours (Hydraulic Oil: AW-32)
2. Change Motor Oil ever 100 Hours (Motor Oil: 10W-30)
3. Check hydraulic filter change with oil

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PARTS LIST

Ln #	Qty	DSS Part #	Description
1	1	VAF4	20" manway
2	1	VA3-6	3" Gate valve
3	4	ML-100 4K	4K Single-Ended Shear Beam Nickel Plated Tool Steel
4	1	SC20	Jun Box W/ Sum Card Stainless
5	1	ELRL-3	Relay DC
6	1	ELTS-4	10 pos #8 Terminal strip
7	1	ELBT-2	Battery deep cycle
8	1	ELWI-8	19" 4 Ga Battery Cable
9	1	ELWI-9	40" 4 Ga Battery Cable For SS
10	1	ELF-3	In line ATO Fuse Holder
11	1	EL22-7	Start Stop Switch, momentary, 1black, 1red, 1no, 1nc,
12	1	DPAU5	7" x 10' auger for super sax
13	1	DPCO	5016 coupling chain
14	1	DFCO1	5016 - 1" chain coupling sprocket
15	1	DPCO112	5016 - 1 1/2" chain coupling sprocket
16	1	HY1	Housing
17	1	HY10	253T-8-8 Brass fitting
18	2	HY11	2111-08-08-B
19	1	HY13	11 HP Engine Bracket
20	1	HY15	2 Bolt flange Char-Lynn
21	1	HY17	5 gal Reservoir
22	1	HY2	Pump for 11HP SS
23	1	HY20	Hose set assembly for SS One complete set
24	1	HY22	Long Element Filter
25	1	HY23	Spider
26	1	HY24	1" Love Joy Coupling
27	1	HY25	1/4" Love Joy Coupling
28	1	HY27	Relief Valve
29	1	HY29	Solenoid Valve
30	1	HY3	8.25 Gal Gas Tank with gauge
31	4	HY30	weld on 1/2" Pipe clamp
32	1	HY32	3/4" Filter Head
33	1	HY4	Header Block
34	1	HY6	6400-08-12-0 Adapter
35	1	HY7	6801-08-08-NWO
36	2	HY8	3474-NWO-08-08 Adapter
37	1	HY9	6804-08-08-08-NWO Adapter \$18.92
38	1	OIL1	10W30 Motor Oil \$3.98

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40	1	FLV-2	1/4" in Line Fuel Filter
41	3	H14F	1/4" Fuel Line
42	5	SC2	4 Conductor Load Cell Cable
43	1	SC-GSEM355	GSE 355 Scale Indecator,
44	1	DPM11G GX340	11 HP Honda motor (QAE2)
45	1	ELPN-3	10" x 8" metal backing for box
46	1	ELPN1214P	14" x 12" back panel
47	1	ELPN1214SW	14" x 12" box swing panel kit
48	1	ELPN14128W	14" x 12" x 8" window panel box
50	1	HY41	Coil for solinoid
51	1	EL22-21	Operator, black, plastic, zb5, nonilluminated, booted, momentary
52	1	EL22-22	Operator, green, plastic, zb5, nonilluminated, booted, momentary
53	1	EL22-23	Operator, red, plastic, zb5, nonilluminated, booted, momentary
54	1	EL22-24	Operator, yellow, plastic, zb5, nonilluminated, booted, momentary
55	4	EL22-47	Contact block, push button station, 1 normal open
56	1	EL22-49	Operator, white, plastic zb5, nonilluminated, booted, momentary
57	1	EL22-5	Button enclosure 5 hole
58	4	FI112-WC	1 1/2" cap weld
59	2	HCQ8	2-10" clamps Bag House Quick Release
60	1	ELP-52	Blue lighted toggle switch 12volt
61	10	OIL3	Hydraulic Oil

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