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7SL Silo



Thank you for purchasing a Right Manufacturing Systems Inc. portable silo! You have joined a team of professionals who strive to create a quality product and provide exceptional customer service that will, in turn, create a sense of customer satisfaction and loyalty. At Right Manufacturing Systems Inc. we make short work out of large jobs.

Purpose: The purpose of this instruction booklet is to inform the purchaser of operation and maintenance issues of the MODEL 7SL silo.

Operation:

Operation of non scaled cement discharge:

1. Start the engine
2. Open main gate
3. Apply Air if needed
4. The model 2DH Combo is equipped with one main control. A start-(to start the auger) and a stop-(to stop the auger). The Start/Stop is located in the box at the discharge end of the silo. This is also the override for computer controlled models

Main Control Panel (Figure1)



This controller can be operated from up to 30 ft away from the silo.

Operation of computer controlled discharge:

1. Start the engine
2. Open main gate
3. Apply Air if needed
4. Plug 6 pin connector into 920i computer will automatically turn on/off the auger, per program requirement.

Auger Rotation- The auger rotation will only discharge in one direction. Do not change the direction of the rotation or the auger will bind causing damage to many vital parts. The auger is driven hydraulically and has a pressure relieve valve located at the pump if contamination or heavy material is in the auger. The pressure relief can be adjusted for increased pressure but is not recommended call for assistance.

Gate- The gate can be closed to clean out any contamination from the auger. The gate should be fully open for proper material flow. The clean out can be taken off for clean out.

Loading the Silo with pneumatic pressurization:

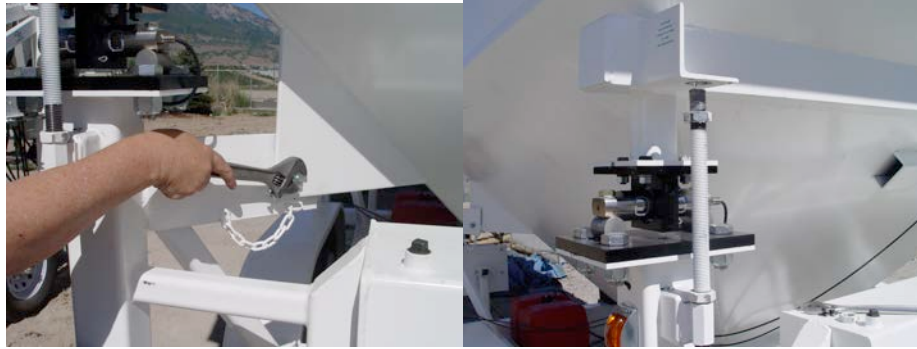
1. Connect 4" cam lock rubberized hose to Bulk Pressurized Truck
2. Apply cement powder to silo allow to fill. 25-30 min. process.
3. **Important only apply 5-8 PSI** maximum during filling process. This is a flat panel silo over pressurization will expand silo warranty will not be honored.

Bag house cleaning- the bag house must be cleaned after every pressurized load. Open the bottom trap doors and excess cement powder will fall to the ground. Clean up accordingly. Replace filters as they become plugged. Shaking the filters will clean them sufficiently for every load. (Always tighten filter clamps tightly to insure security).

Jacks- All jacks must be placed firmly on the ground. **If the ground is soft or if ground is unstable a large metal plate 24 X 24 X _ must be used under all four corners to support the heavy load. The silo can hold up to 80,000 lbs total this is 20,000lbs for each jack support. Be very aware of the ground you are using to place the silo on.** The silo must be level for proper jack load distribution.

Load Cell- All weight must be placed on the load cells. This is done by taking the vertical trust bolts off the hold up angle iron (see figure 2)

Figure 2



If all weight is not on the load cells the load indicator will not read the correct zero. The indicator is programmed and tested at Right Manufacturing Systems Inc. It is very important to keep your Manual for indicator load values. The values are hand written in your manual if the manual is lost it can not be reprogrammed and a certified technician must reprogram your scales. **This will be done at your expense if the manual is lost.** If the indicator will not go to zero you must refer to your indicator owners manual or call Right Manufacturing Systems Inc. or Rice Lakes Weighing Systems 1-800-472-6703. The scale system will not read light values of less than 2000lbs well because of the close electrical values being read by the indicator. The values can be changed for lighter values but a certified technician must recalibrate the indicator for the lighter values. This will also be done at your expense. The indicator is programmed for up to 80,000lbs.

Note for transportation: the load cells will be damaged if the vertical trust bolts and transportation bolts are not installed so that all silo weight is taken off the load cell. The load cells must be free of all weight. Load cells will not be given credit under warranty until checked for cause of failure by Rice Lakes Weighing Systems Inc.

Gasoline motor operation- Place all hydraulic levers or buttons in the neutral positions so all devices are not in operational mode. Turn fuel petcock to the **on** position, pull choke out (depending on conditions), raise throttle to _ position and turn key all the way (clockwise). The gasoline motor can be speed up or slowed down to control the speed of the auger.

Safety:

DO NOT TRANSPORT WITH RESIDUAL CEMENT.

The procedures for operation of the combo mixer are to be followed strictly or serious injury will occur.

Ball -The 7SL Silo can be attached to the truck with several different hitches 2", 2 5/16, or pendal hitch. The ball or pendal must be hitched completely on the ball before the main latch can be securely locked. The safety pin must be attached and locked for towing.

Safety chains- Safety chains must be attached securely to the frame of the vehicle.

Lights- The lights must be inspected and plugged in a working plug on the vehicle.

Tires- The tires must be inspected for proper air pressure (80 psi.) and road damage before each use. A 235R 16-load range E must be used for replacement when replacement is necessary.

Inspect trailer structure in general for road damage.

Always obey and consider all traffic laws in your region.

For Example:

Only go the posted speed limit with the trailer attached.

Always use blinkers and taillights during appropriate hours.

If conditions are a hazard to others always use flashers.

Always give yourself enough stopping distance.

Maintenance

Silo- due to high weight all welds and bolts must be checked before transport or on a daily basis.

Hydraulic – 32 weight oil is use from the factory 42 weight can be used as an alternative. Do not mix oils.

Auger Drive- these bearings are sealed and should be replaced upon failure of the bearing. The packing at the base of the auger should be replaced on an inspection basis. The bearings should be greased once a week.

Motor oil- Motor oil should be changed as per manufacture specification.

Hydraulic Oil Filter- should be change depending upon conditions every 50 to 100 hrs

Inspection

Inspection is recommended of all moving parts. This includes any welds, elongation of any drilled holes, structural damage, etc. If any cracks or separation are detected a qualified welder must repair the weld with reinforcement or brace any faulty material immediately.

All guards must be kept in place while in operation. Observe all warnings and follow decal instructions. Failure to follow operational procedures and maintenance procedures will void warranty.

We have a full line of bearings and replacement parts. Call our sales department for your parts needs at 801-796-9641.

LIMITED WARRANTY

FOR THE MODELS 3DH, 4DH ROTARY TUMBLERS, 5VE VIBRATORY TUMBLERS, PORTABLE MIXERS, 7SL Silo ,AND FINISH PRODUCT CONVEYORS MANUFACTURED BY RIGHT MFG. SYSTEMS INC.

Right Mfg. Systems Inc warrants to the original purchaser ("Owner") of this equipment to be free of defects in materials and workmanship and for structural integrity, under normal use, with reasonable care and maintenance, for one (1) year from the date of purchase (the "Warranty Period"), subject to the exclusions given below.

Coverage Provided

Within the Warranty period, Right Mfg. Systems Inc. is obligated to repair or replace any part covered by this warranty proven defective. In the event of such an occurrence, the Owner should contact the selling dealer for a service appointment. If it is not possible to return to the selling dealer, call Right Mfg Systems factory service department, and they will provide you with the location of the nearest authorized dealer or repair facility. The cost of transporting the equipment to the dealer or service center shall be incurred and paid for by the owner.

This is the only warranty given with the purchase of the equipment other than express or implied warranties given by the component manufactures. Any warranties implied by law are limited to the Warranty Period. Any other warranty, express or implied, not provided for in this Limited Warranty is waived by the Owner.

Owner's Obligation

The Purchaser must notify Right Mfg. Systems of any defect promptly upon discovery. **Warranty repairs by a non-Right Mfg. Systems dealer or service center must be approved by Right Mfg. Systems prior to any work being started.**

Exclusions

The scope of this warranty is expressly limited to only items actually constructed by Right Mfg. Systems. Right Mfg. Systems therefore makes no warranty with respect to component parts constructed or assembled by other manufactures, including, but not limited to, Diesel Motors, Electric Motors, bearings, hydraulic pumps, rams, valves, hoses, jacks etc. Such component parts may be warranted by their manufacturers, and copies of such warranties are included with the equipment.

No payment or other compensation will be made for incidental expenses, including , but not limited to, towing , telephone, transportation, lodging, travel, gasoline, loss of pay or indirect or consequential damage including, but not limited to, loss of use of the equipment, inconvenience, damage or injury to person or property, or loss of revenue, which might be paid, incurred or sustained by reason of manufacturer's defect covered by this warranty. Right Mfg. Systems is not responsible to any purchaser of the equipment for any undertaking, representation or warranty made by dealers during the course of selling the equipment beyond those herein expressed.

This warranty does not cover damage caused by or related to (1) normal wear and tear, (2) accidents, abuse, misuse, or negligence (3) failure to comply with instructions contained in Owner's Manual, (4) any alteration or modification of the equipment, (5) environmental conditions.

This limited warranty is intended to comply with the requirements of both State and Federal laws. Any part of this limited Warranty in conflict with any law shall be ineffective to the extent of any such conflict. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.