



GPS

GRAIN PUSH SYSTEM



PUSH YOUR GRAIN ON A CUSHION OF AIR!

The Grain Push System is a pneumatic air system used for conveying low volumes of grain at a bin site. It is used primarily in conjunction with a batch grain dryer, where the dry grain exits the dryer into the air conveying system & is piped to a storage structure. Making it ideal for transferring grain to or from: dryers, trucks, dump pits, hoppers, storage bins, silos, mixers, bunkers, railcars, and feed bins.

Features

- Versatile, powerful, and easy to install.
- Portable enough to service several grain transfer sites.
- Convenient fork lift base & lifting loops make moving the GPS a simple operation.
- Efficiently and gently “push” grain 100’ to 250’ (30m to 75m) or more.



Choose from nine basic GPS models to meet your grain transfer needs:

Part No.	Description	Line Size	Capacity (bph)
PP-30-1	GPS Model 30 - 10 HP, Single Phase	3”	300 - 500
PP-30-3	GPS Model 30 - 10 HP, 3 Phase	3”	300 - 500
PP-40-1	GPS Model 40 - 15 HP, Single Phase	4”	500 - 800
PP-40-3	GPS Model 40 - 15 HP, 3 Phase	4”	500 - 800
PP-40-3	GPS Model 40 - 20 HP, 3 Phase	4”	500 - 800
PP-50-1	GPS Model 50 - Twin 10 HP, Single Phase	5”	600 - 1,100
PP-50	GPS Model 50 - 30 HP, 3 Phase	5”	900 - 1,300
PP-60	GPS Model 60 - 50 HP, 3 Phase	6”	1,300 - 1,900
PP-60	GPS Model 60 - 75 HP, 3 Phase	6”	1,300 - 1,900

Includes: Remote airlock drive configuration includes reduction gearbox, motor, shields, mounts and five feet of flex hose with clamps, all for drive on the airlock. Longer lengths of hose are available.

Specifications

Capacities above are calculated with 100’ piping - consisting of 70’ horizontal, 30’ vertical and two 90° elbows - moving US #2 corn. Capacities will vary depending on distances, product density, humidity, altitude, and piping set up. Long angles on piping should be avoided.

An electric control panel is required for operation of the GPS. Although the panel is offered by the factory, it is recommended that the panel be purchased through your local electrician to meet your individual needs and to comply with local codes.

The use of a surge bin or hopper is recommended to feed the GPS ensuring maximum capacity. This will also keep grain quality high as operating at 3/4 capacity or less increases damage.

Many commercial, seed handling and elevator options are also available. Soybean users should consult factory for filtration systems and other soybean-specific options.





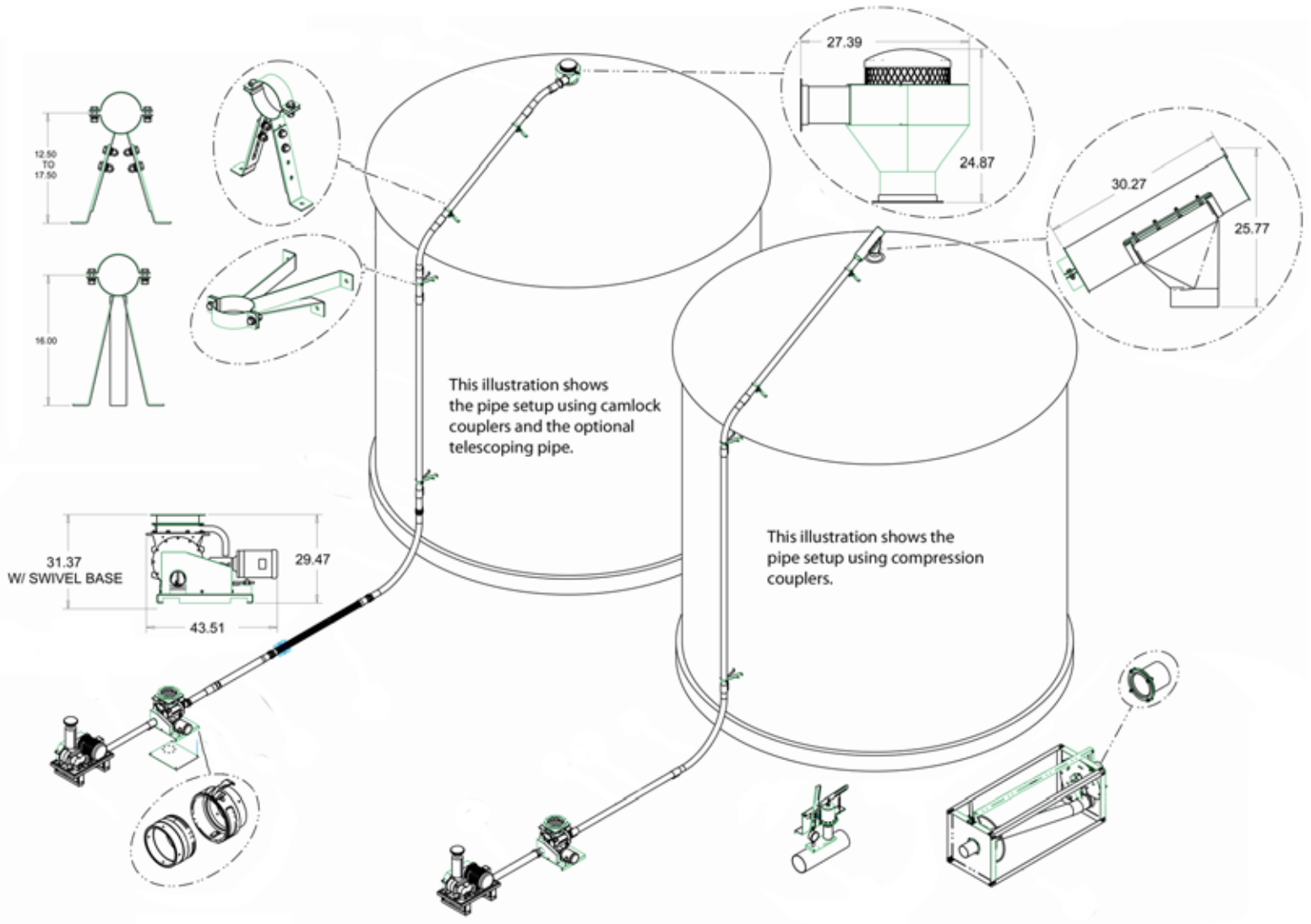
GPS

GRAIN PUSH SYSTEM



How It Works

An electric motor spins a blower to create suction at the inlet & an air pressure stream at the outlet. The air pressure is piped from the blower to a rotating airlock where the grain enters the air stream without allowing air to escape. As the grain enters the air stream it is blown via the piping into the grain structure.



For More Information, Contact Us Today

Sioux Steel Company | 196 1/2 E. 6th St., Sioux Falls, SD 57104 | 800-557-4689
www.siouxsteel.com | info@siouxsteel.com