

## Instructions for Replacing Siemens, Siemens-Allis, and Allis Chalmers Worm Gear Operators with Southern States Type HOGO High Output Gear Operator

You will have to cut 2'-6" off of the existing vertical pipe and then add the pipe coupler and pipe provided along with the gear mechanism coupling (also called control coupling). The mounting holes will have to be modified by drilling and/or reaming new 11/16" diameter holes to install the new type HOGO High Output Gear Operator. The existing 4 hole pattern is 4 1/2" horizontal by 5" vertical. The new pattern will have to be 5" horizontal by 4" vertical to accommodate the HOGO. Both the HOGO and the existing worm gear operator have a 6" dimension from the back of the operator to the centerline of the vertical operating pipe. See drawing below for additional information.

