



CS1800 HYDRAULIC SPECIFICATIONS

The hydraulic system setup and installation is basically the same as the electric except for a few differences noted below.

COVER BOX DIMENSIONS: The box will be the same size (14" x 14" up to 42" x 32" motor end and 10" non-motor end), except that the motor end can be reduced to 28" instead of 32"

CHASE: For recessed installations, a chase should be provided for the hydraulic hoses. This should be a minimum diameter of 2 inches. The length can be any length that is necessary, as the power pack loses a very small amount of power over lengths of up to 250 feet. However, it is recommended that the chase be kept as short as possible because of problems in pulling the hoses and replacement costs in the event that the hose needs to be replaced. The most important aspect of installing the chase is to **avoid any sharp bends in the chase.**

PAD FOR POWER PACK: 26" long x 10" wide x 10" high (Never place in box with mechanism)

ELECTRICAL: We offer a 220 volt power pack. See wiring diagrams for complete information. A 220 volt installation is rated at 14 amps.

INSTALLATION: The mechanism is exactly the same as the electric motor except that there is no torque limiter; therefore, the installation is the same. See the hydraulic installation instructions for complete instructions as to how to set up the power pack and make the necessary adjustments to the power pack.

LIMIT SWITCHES: Normally limit switches are not necessary as the bypass valves can be set to act as limit switches. However, in some cases, it may be better to install optional electric limit switches to act as a back-up shutoff system. This is especially true where the cover is exceptionally large or is operating under a lot of stress because of deck drag. If untrained people will be operating the cover such as is the case with a homeowner's association, it is also recommended that limit switches be installed.

HYDRAULIC OIL: It is recommended that ISO 46 fluid or its equivalent be used. If not available, Dextron III may be used.