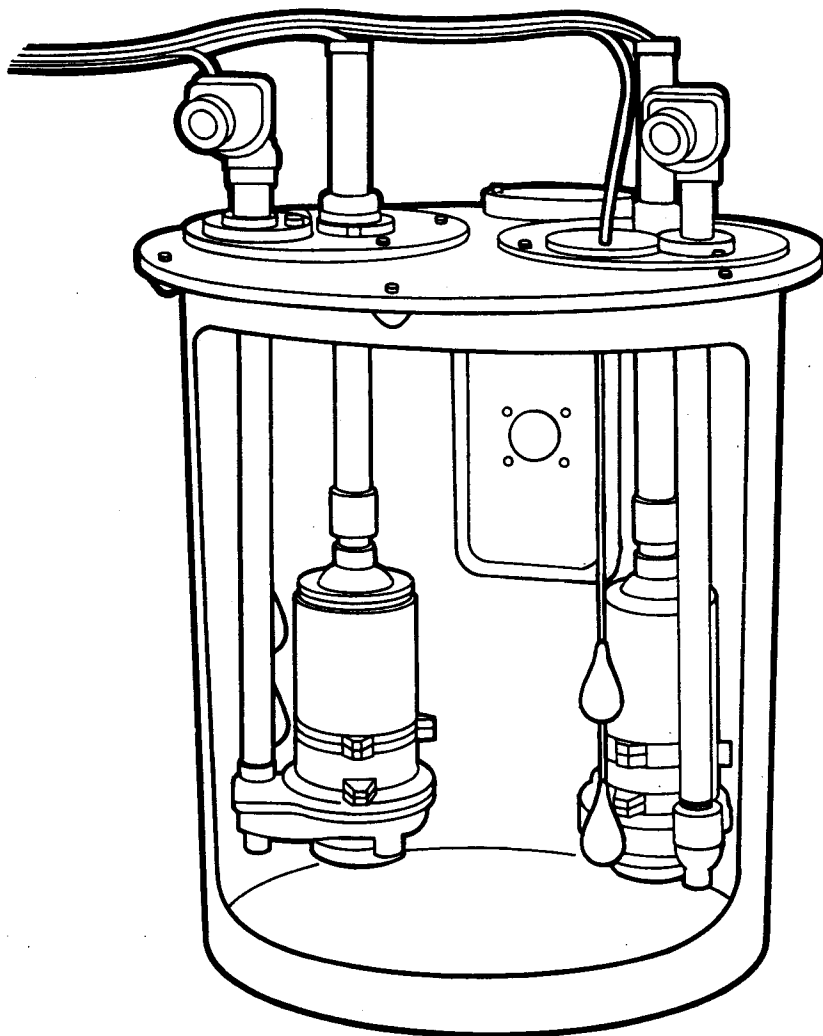


Duplex Grinder Pumps

INSTALLATION AND
SERVICING INSTRUCTIONS
DUPLEX GRINDER PUMP
PACKAGED SYSTEM
FOR INDOOR INSTALLATION

MODEL:
TPL15-SS2
(30" dia. x 36" Deep Basin)



PACKAGE

System is completely packed and shipped in cardboard carton. Carton is marked with Myers model number and factory engineering number. All parts needed are packaged inside the basin for shipping. The pumps and electrical control box are shipped separately.

These instructions are only for installing basin and mounting pumps in basin. See separate pump and electrical control box instructions included with these items.

PACKAGE INCLUDES

1. Heavy fiberglass basin with steel sump cover and two removable cast iron pump covers with flanges. Sump cover has 3" NPT vent flange.
2. Inlet flanges for SDR-35 or Sch. 40 plastic pipe.
3. Two – 1½" galvanized support pipes and conduit for motor cords.
4. Two – 1¼" galvanized discharge pipes. Each pipe in two sections with thread on one end only.
5. Two – 1¼" slip couplings to connect discharge pipes.
6. Four – level control switches.
7. Two – CV-125 angle check valves.

INSTALLATION INSTRUCTIONS

Figure 1 shows section of basin with a call out of parts.

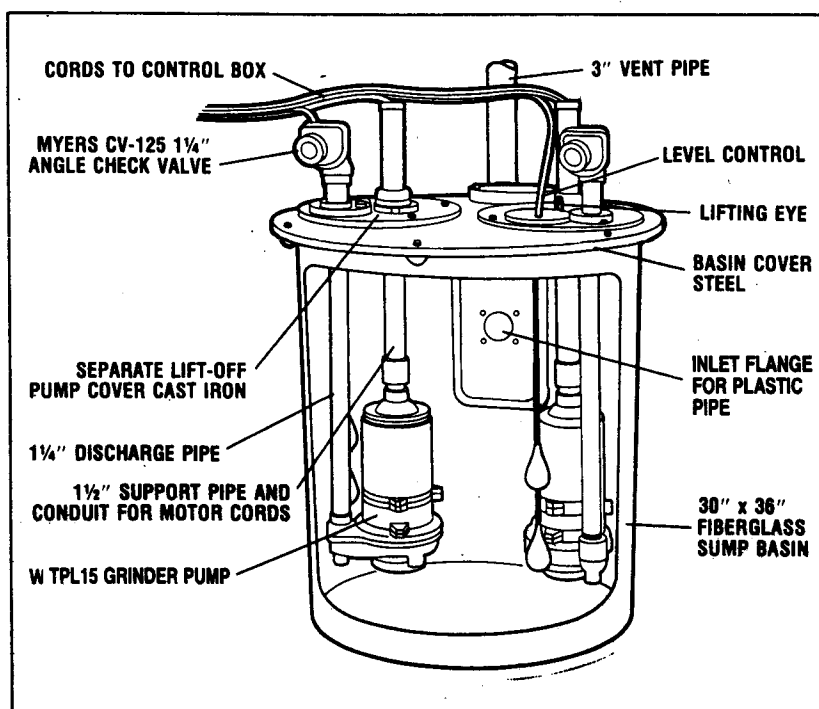
Figure 2 shows a typical installation including discharge piping.

1. Remove pump cover from basin and take out all parts. **DO NOT REMOVE STEEL BASIN COVER.**
2. Use template furnished with inlet flange and cut hole in basin and drill for mounting bolts. Mount inlet flange at height required, but not lower than shown on Figure 3.

3. Basin is now ready to set in ground. Pour cement around basin and up to basin flange to make a neat job and to anchor basin in the ground. See Figure 2.

PREPARING PUMP FOR MOUNTING IN-BASIN

1. Screw one-half of 1¼" galvanized discharge pipe into each pump. Use pipe dope or teflon tape on threads.
2. Pull the two motor cords up through 1½" galvanized support pipe and screw into each pump. Be sure pipe coupling is on pipe.
3. Connect other half of 1¼" discharge pipe with 1¼" slip coupling. Tighten tight, so pressure will not cause coupling to slip.
4. Place pump cover over pipes and tighten flange to hold in place at height shown on Figure 3.
5. Place gasket on steel sump cover for each pump cover. Use permatex on one side of gasket to hold in place.
6. Lift pumps and lower into basin and secure with bolts.



Duplex system with TPL15 grinder pumps 30" x 36" fiberglass basin

FIG. 1

TYPICAL INSTALLATION MODEL TPL15-SS2 DUPLEX GRINDER PUMPS

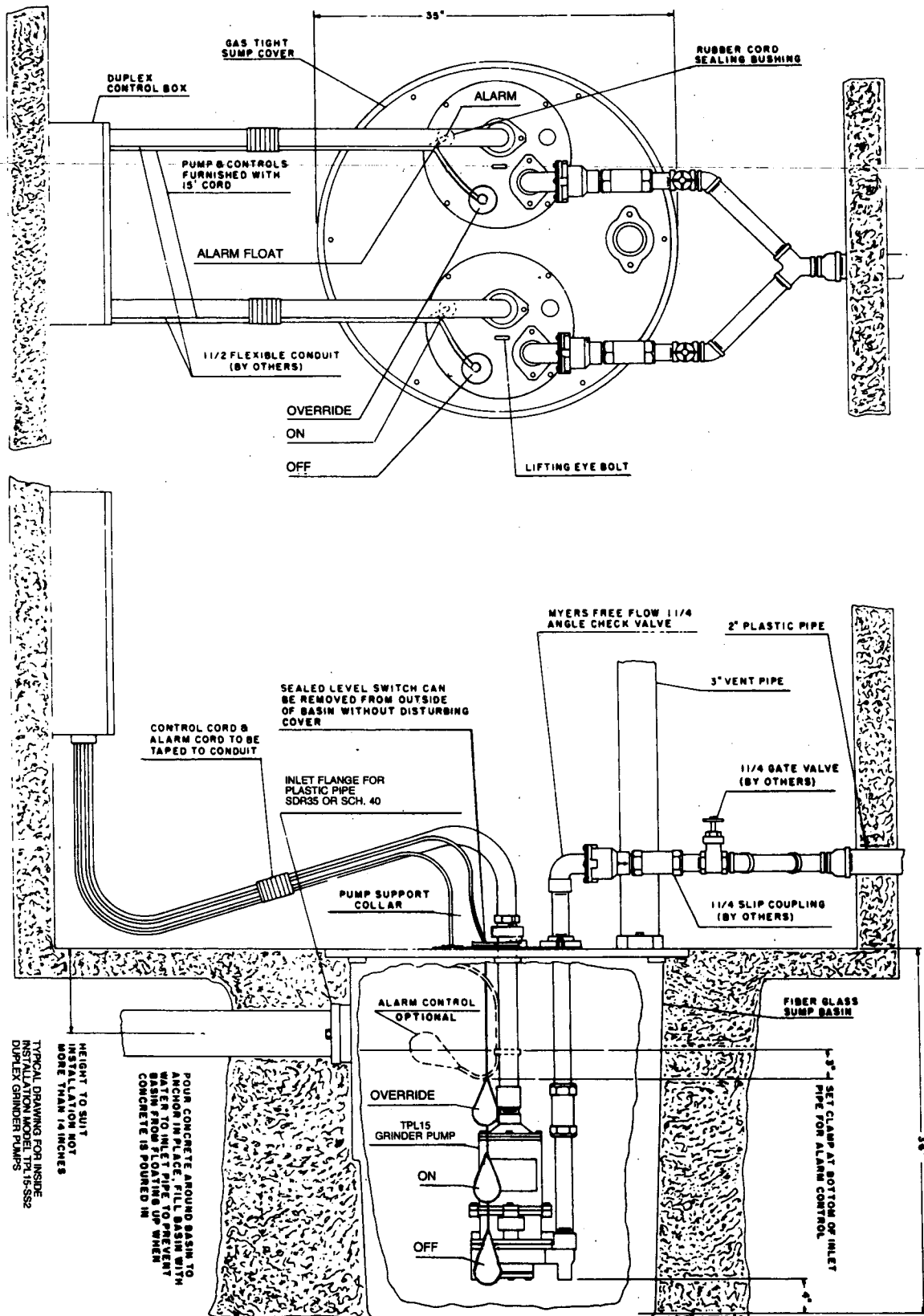


FIG. 2

7. Power cords are taken to control box for connecting. Standard cord lengths for pumps and controls are 15 feet long.

If longer lengths are required pumps and controls must be ordered special with cord length specified. Extra cord is furnished only in increments of 10 feet over the standard 10 foot lengths. **MAXIMUM LENGTH 45 FEET.**

8. The motor cords can be installed in flexible conduit if desired, as shown on drawing Figure 2, or can be taped together for running to control box.

CAUTION – KEEP HANDS COMPLETELY AWAY FROM GRINDER IMPELLER.

STARTING PUMPS

1. With both circuit breakers at control box in "OFF" position, turn both hand-off-auto switches to "AUTO" position.
2. Turn both circuit breakers to "ON" position. Remove both solid rubber plugs in pump covers and use flashlight to observe switch operation.

3. When level tilts on float, pump should start and should run until lower float is deactivated, causing pump to stop.

4. Run water into basin again until on float level tilts and opposite pump should start and run. Observe yellow run light.

5. Turn both hand-off-auto switches to "OFF" position and run water into basin until upper floats (alarm and override) are under water.

6. Turn both switches to "AUTO". Both pumps should start and alarm buzzer should sound. Alarm will continue to sound until sump level shuts off the alarm control. Notice yellow run lights.

IF ALARM SWITCH HAS BEEN TURNED TO "OFF" BE SURE TO RESET TO "ON" POSITION AFTER PUMPS STOP.

7. Pumps are now ready for automatic operation.

8. Replace solid rubber plugs in covers and be sure discharge gate valves are wide open.

Instructions for locating trouble are given with the pump and control box instructions.

PIPING ASSEMBLY FOR DUPLEX SYSTEM 30" x 36" BASIN

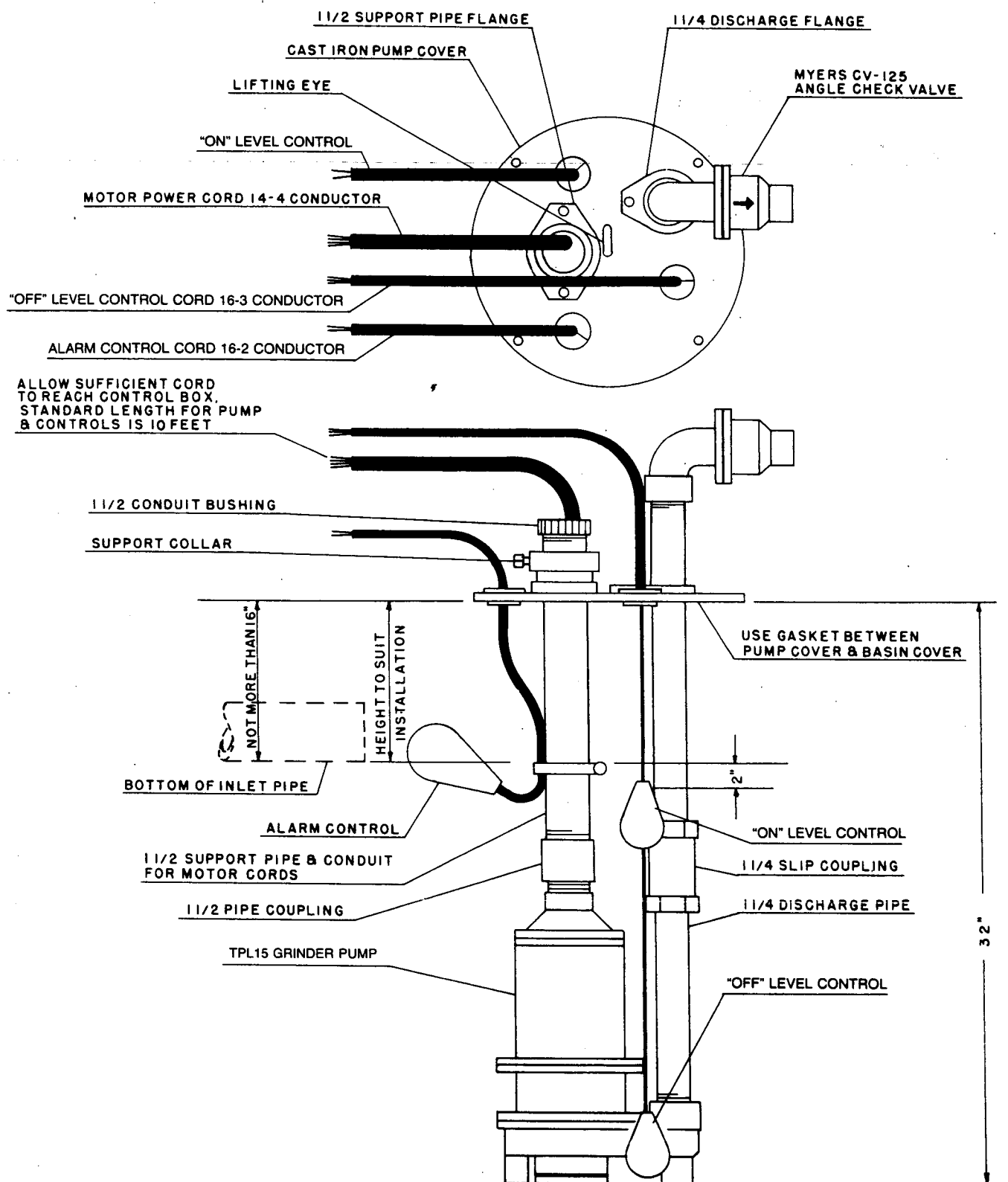


FIG. 3

LIMITED WARRANTY

F.E. Myers warrants the grinder pump, electrical controls, and all system components to be free of defects in material and workmanship for one year from date of installation, providing it is within 18 months from date of manufacture.

F.E. Myers will repair or replace directly or through its agents defective parts free of charge within the warranty period.

Warranty does not cover labor to remove or replace the equipment and does not include freight, consequential or incidental damage.

Misuse or abuse of the equipment is not covered by the warranty.

Myers®

F.E. Myers,
1101 Myers Parkway
Ashland, Ohio 44805-1923

419/289-1144
FAX: 419/289-6658, TLX: 98-7443