



Suction Plumbing Operation

- 1) TURN OFF ENGINE
- 2) ENSURE WATER LEVEL IN TANK IS APPX 1/8TH FULL. IT MUST COVER THE INTERNAL VORTEX PLATE.
- 3) CLOSE MAIN VALVE ON PUMP INLET (4" BUTTERFLY)
- 4) OPEN 1/2" BALL VALVE ON BOTTOM OF PRIMER PUMP
- 5) REMOVE CAMLOCK CAP ON SUCTION PIPE
- 6) PUT SUCTION HOSE ON TO SUCTION PIPE
- 7) DROP HOSE INTO WATER SOURCE WITH FILTER STRAINER ATTACHED INTO WATER SOURCE
- 8) PUMP THE PRIMER PUMP TILL WATER COMES OUT OF IT
- 9) CLOSE 1/2" BALL VALVE ON BOTTOM OF PRIMER PUMP
- 10) MAKE SURE ALL SPRAY VALVES ARE CLOSED
- 11) START ENGINE
- 12) ENGAGE P.T.O.
- 13) CRACK OPEN 2 1/2" TANK FILL GATE VALVE OFF OF MANIFOLD
- 14) OPEN 2 1/2" TANK FILL GATE VALVE ALL THE WAY

When Suction Is Complete

- 1) DISENGAGE P.T.O.
 - 2) CLOSE 2 1/2" TANK FILL GATE VALVE
 - 3) TURN OFF ENGINE
 - 4) REMOVE SUCTION HOSE AND REPLACE CAP
 - 5) OPEN 4" PUMP INLET VALVE
- YOU ARE NOW READY TO GO.

NOTE: IF YOU ARE NOT GETTING GOOD PRESSURE WHILE SPRAYING AFTER SUCTION IS COMPLETE CHECK TO BE SURE MAIN VALVE IS OPEN AND TANK FILL VALVE IS CLOSED ALL THE WAY.

NOTE: IF YOU ARE LOSING SUCTION PRESSURE, OPEN THE 1-1/2" BALL VALVE ON THE REAR HOSE REEL, AND THEN OPEN THE PET-COCK FITTING ON THE REEL ITSELF, ONCE WATER BEGINS TO SPRAY OUT OF THE FITTING, CLOSE IT AND THE BALL VALVE. THIS ENSURES THERE IS NO AIR IN THE SYSTEM.