



THE SYSTEM MONITORS AND CONTROLS THE APPLICATION OF LIQUID FERTILIZER AND OR OTHER AGRICULTURAL FLUIDS AND LIQUIDS.

THE LIQUID IS SUPPLIED FROM THE TANKS, BY MEANS OF EITHER A PUMP, OR BY PRESSURISING THE TANKS BY MEANS OF A COMPRESSOR OR A BLOWER.

THE FLOW IS MONITORED BY A FLOW METER WHICH CAN BE AN IMPELLER OR AN OVAL GEAR FLOW METER OR ANY OTHER MONITORING DEVICE.

THE FLOW CONTROL VALVE CONTROLS THE RATE OF FLOW BY OPENING OR CLOSING THE VALVE. IT IS DRIVEN BY A STEPPER MOTOR, WHICH IS ELECTRONICALLY CONTROLLED TO MEET THE PREDETERMINED FLOW RATE SET IN THE DISPLAY UNIT.

THE INFORMATION FROM THE DIFFERENT FLOW METERS IS COLLECTED IN THE DISTRIBUTION BOX AND SENT TO THE DISPLAY UNIT.

THE DISPLAY UNIT DISPLAYS THE INDIVIDUAL ROW APPLICATIONS BEING MEASURED BY EACH FLOW METER. THIS IS DISPLAYED IN EITHER KG/Ha OR L/100m. IT GENERATES ERROR ALARMS FOR DEVIATIONS FROM THE PRE-SET FLOW RATES. LIQUID APPLICATION RATE AND OTHER PLANTING DATA IS STORED IN MEMORY FOR LATER USE. IN PC APPLICATIONS.

THE SHAFT ROTATION SENSORS ARE USED TO DETERMINE DISTANCE TRAVELLED AND MOTION.