



altek Regulators

altek have been manufacturing regulators for use in plant protection equipment for over 30 years. There are many tens of thousands of sprayers around the world fitted with altek regulators providing reliable service to their operators.

Today altek regulating products are manufactured using the very latest technology in our modern design and production facility located in Germany.

Altek pressure regulators offer many distinctive features and benefits unique to altek products.

Altek offer three versions of pressure regulators: Mechanical constant pressure, Mechanical proportional regulator and Electrical proportional regulator.

The following pages provide an overview of these products.



Pressure Regulator electrical

The pressure regulator divides the total pump output and controls the volume of liquid required for the spray boom. The surplus volume is sent back to the tank as return flow. In this function the regulator is an important component in terms of precise and economic spraying.

The electrical regulator 400 from altek has some specific advantages:

The housing ports are Altek AS40 connectors. This allows an easy and cost saving assembly process. Thanks to the altek quick-fit components range functional units can be assembled easily. The aerodynamic feature of the housing cause minimum flow losses

Due to the design it is possible to connect pumps with outputs up to 450 l/min. Two motor speeds allow individual application tasks. The piston guide is precise and free of clearance. Thus ensuring the correct application is assured. Micro switches at the end positions avoid any overload or overheating of the DC motor.



Proportional regulator 120 · 200 · 300

altek Mechanical proportional regulators are available for use in sprayers with flow rates of 100-300 litres/min.

altek Electrical proportional regulators are available for use in sprayers with flow rates of 100-400 litres/min

Proportional regulators (120/200) offer the following advantages:

- A mechanical master shut-off valve with integrated circulation by means of a venture nozzle ensures an immediate pressure reduction in the spray lines is achieved when the master valve is closed. Advantage: Quick closure of the nozzle and no dripping
- The cross-sectional design of the regulators ensures that with speed changes within the ranges of + 25%, the flow rate is increased or decreased proportionally
- An integrated pressure relief valve pre-set at 10 bar protects the system from any pressure peaks
- The return-flow connection may be utilised for use with tank agitation
- Pressure gauge connection G $\frac{1}{4}$ " thread: A special sealing ring allows for adjustment of pressure gauge
- altek plug-in system for quick attachment of hose connection
- Regulators 300 & 400: For features and benefits of these products see specification sheets



Constant Pressure Regulator 120 · 200

Our constant pressure regulators are particularly suited to the small and medium sized sprayers with flow rates of 70 – 200 litres/min, and offer users the following benefits:

- A mechanical master shut-off valve with integrated circulation by means of a venture nozzle ensures an immediate pressure reduction in the spray lines is achieved when the master valve is closed. Advantage: Quick closure of the nozzle and no dripping
- The Pressure regulator ensures a constant output is maintained even in the case of speed fluctuations
- An integrated pressure relief valve pre-set at 10 bar protects the system from any pressure peaks
- The return-flow connection may be utilised for use with tank agitation
- Pressure gauge connection G $\frac{1}{4}$ " thread: A special sealing ring allows for adjustment of pressure gauge
- altek plug-in system for quick attachment of hose connection