



BOOM SPRAYER

Blustal boom system consists of one or more supply pipes containing nozzles that apply water as the system moves over the plants. It is usually suspended from a single or double overhead rail system attached to the trusses or greenhouse frame. An alternate method is a rail-supported frame across the width of the greenhouse or bay. Water is supplied by a suspended trailing hose and the unit powered by an electric supply cable.



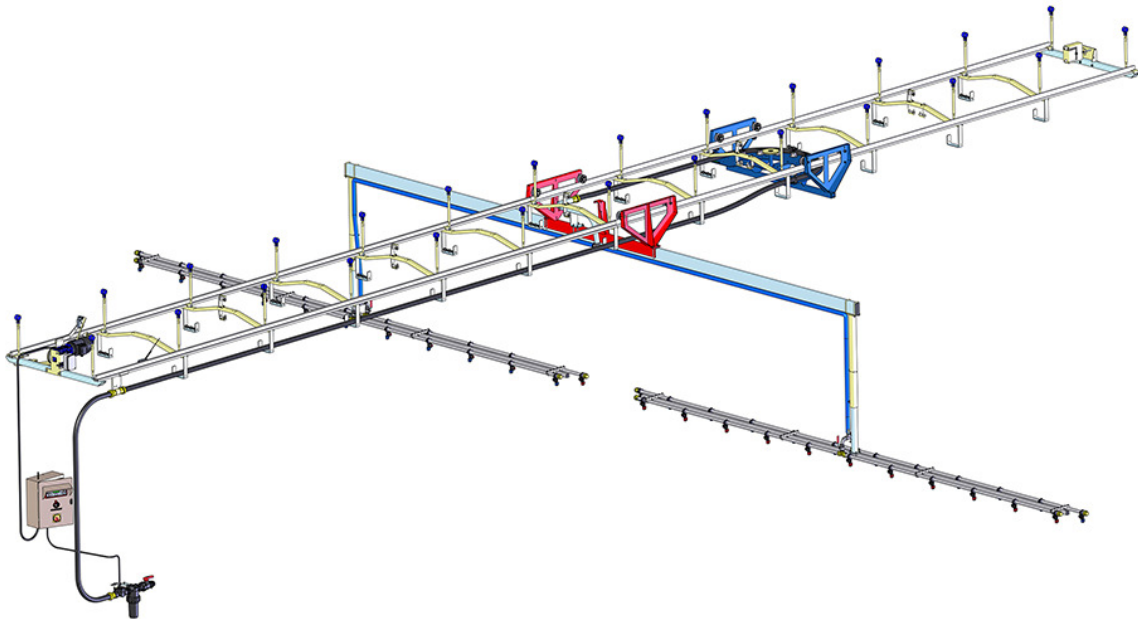
Boom widths to 12 mtr are available. Bench or bed lengths to 120 Mtr can be watered with one setting. Blustal system allow the boom to be moved from one end to another continuously or can be programmed the working area as requirement.

A heavy duty DC gear motor is used to power the boom controlled with control panel to run the boom through which, it is easy to control travel length and speed . Speed of 25 to 250 feet per minute are available, allowing a light mist or a thorough soaking.

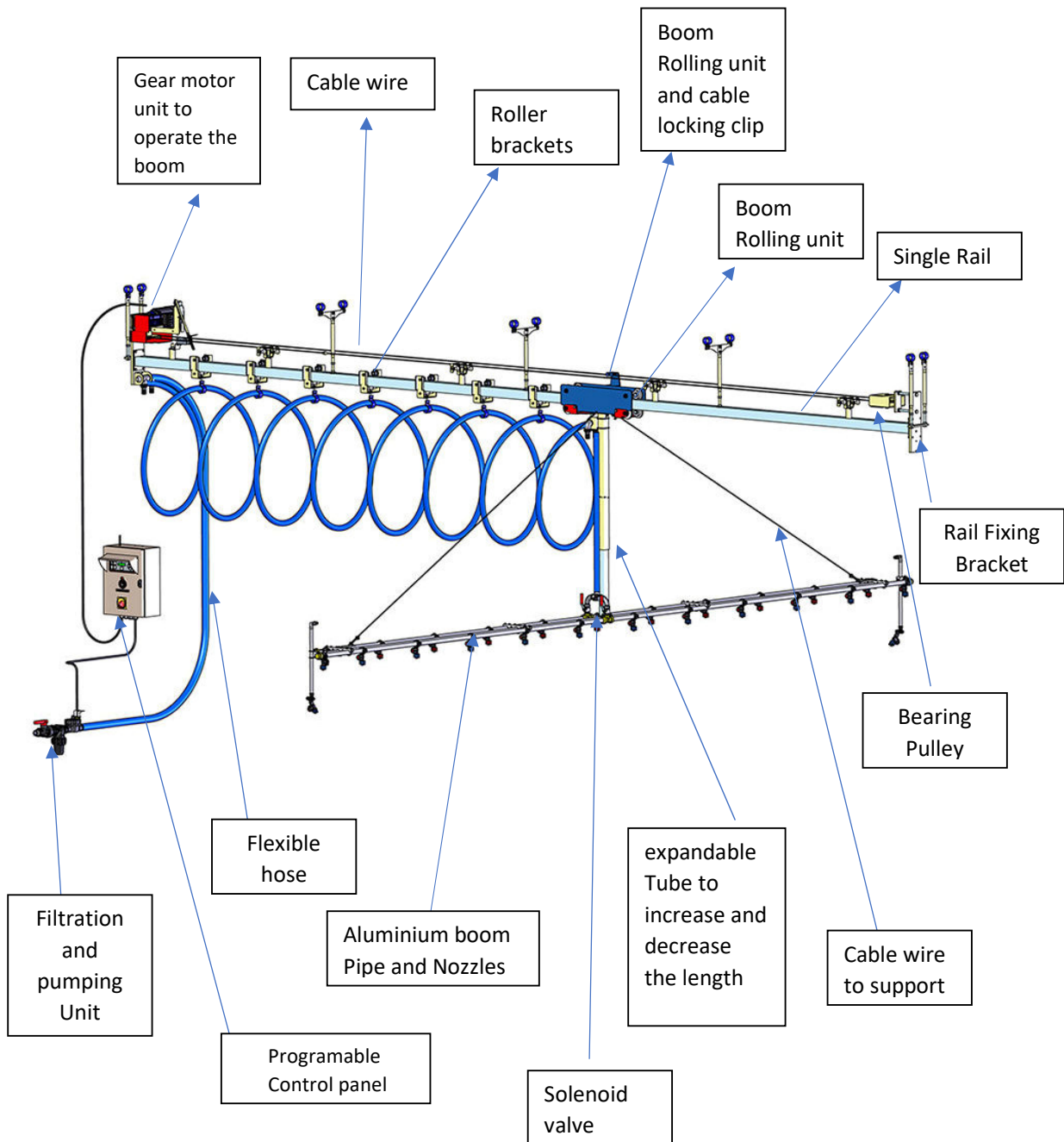
Safety and reliability are addressed in a number of ways. A variety of sensors may be employed to detect bloom obstructions, mechanical problems, low water pressure or power failure. An alarm can be activated if a problem occurs.

Blustal Boom Sprayer advantages : In addition to the greater uniformity of water application, there are other advantages to a boom system. Less water is needed because the system can be operated to provide the optimum amount of water for the crop. Less aisle space is needed for watering. Labor is reduced as irrigation can be done while doing other chores.

Double Rail Boom Irrigation Unit



SINGLE RAIL BOOM IRRIGATION UNIT



BLUSTAL BOOM SPRAYER FACTS AND FEATURES



Custom made using the highest quality components to fit any greenhouse up to 12 Mtr wide bay length per boom and travel upto 120 Mtr long.

Walk-through chassis permits use of center aisle even while irrigator is operating. •

Fully automatic with a twenty-four hour time clock or manually operated.

Multizone touch-screen electronic programmer also available.

D.C. motor with speed control offers fully variable speed drive.

Double boom also available - one boom for mist and second boom for irrigation.

Precision nozzles provide even coverage in all area.

Right and left boom sections adjust independently to accommodate crop needs.

Double Solenoid available.




Boom Sprayer rails work efficiently with Growing Systems.

Economical and easy to install.

Monorail Trolley carts can operate on both rails, with still room to walk between carts.

SPECIFICATIONS



Sr. No	Item	Specification
1	Rail Unit 	Heavy Duty Rail Unit made of galvanized material for uninterrupted sturdy operation and long life Fixed with two solenoid valves for left and right boom separately. Moveable 25mm od Aluminium tube booms with extra support of GI cables
2	Boom Nozzle 	Triple Way Boom Spray Nozzles (Italy or US Made) with Automatic spray alignment using flat fan spray tips. Positive shutoff between each position Maximum operating pressure of 300 PSI (20 bar). Durable design mounts body high on boom structure for maximum protection.
3	Flexible Trailing Hose 	High Pressure , Heavy Duty Hose Weather Resistant Nylon Reinforced for burst protection High Flexible Chemical Resistant
4	Motor and Gear 	Heavy Duty 0.5 kw DC Motor with Aluminium body gear Unit Perfectly work to function the rail un-interruptedly. Work perfectly on variable speeds to manage light mist or a thorough soaking
6	Electric Control System 	PLC based control panel Programable for different speeds and travel lengths Easy operation
7	Accessories	All required high quality accessories, Fasteners etc provided for fixing of boom Unit