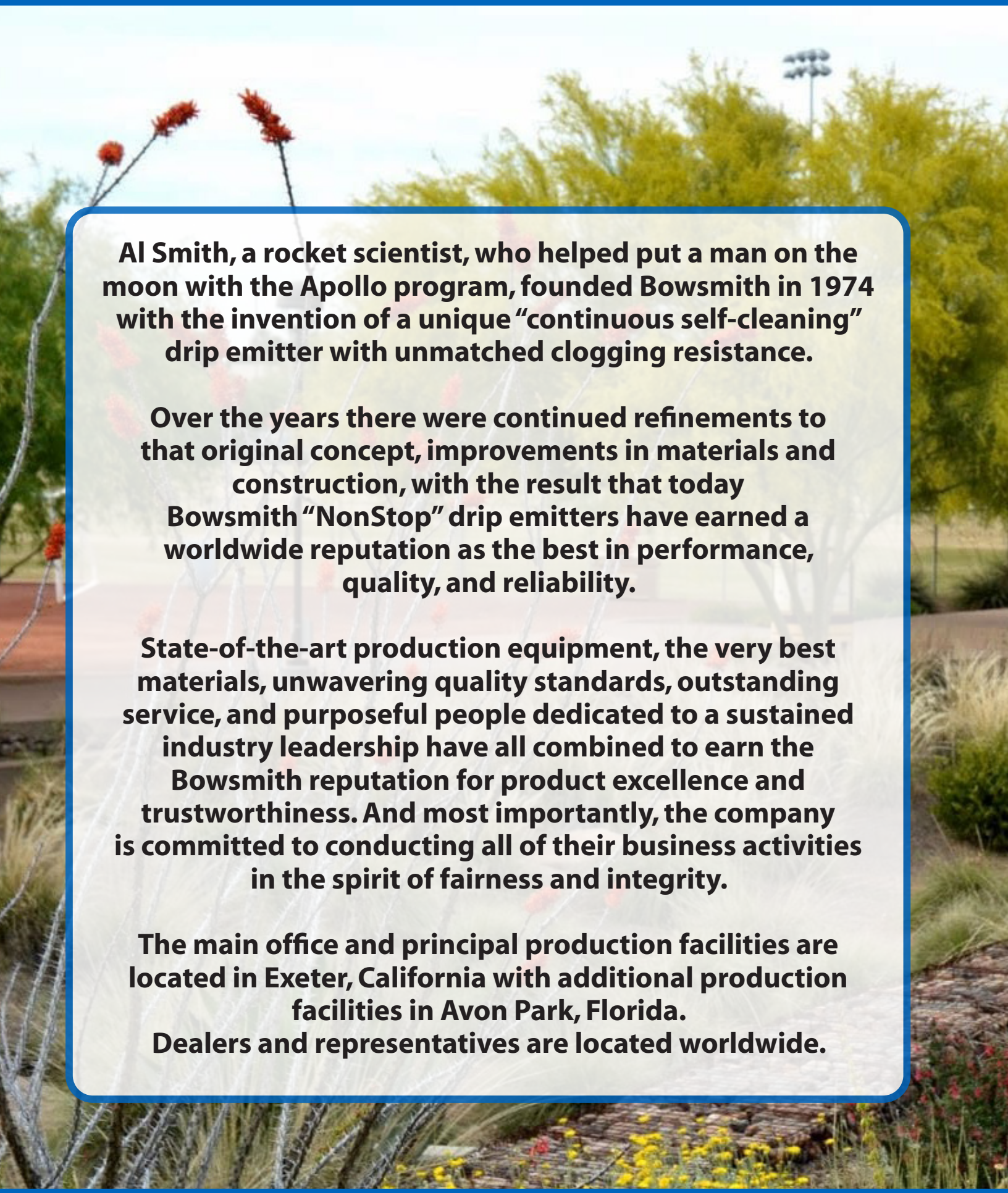
NonStop®
Drip Emitters

Unrivaled performance under the harshest of conditions in the deserts of the southwest



BOWSMITH®

BOWSMITH®



Al Smith, a rocket scientist, who helped put a man on the moon with the Apollo program, founded Bowsmith in 1974 with the invention of a unique "continuous self-cleaning" drip emitter with unmatched clogging resistance.

Over the years there were continued refinements to that original concept, improvements in materials and construction, with the result that today Bowsmith "NonStop" drip emitters have earned a worldwide reputation as the best in performance, quality, and reliability.

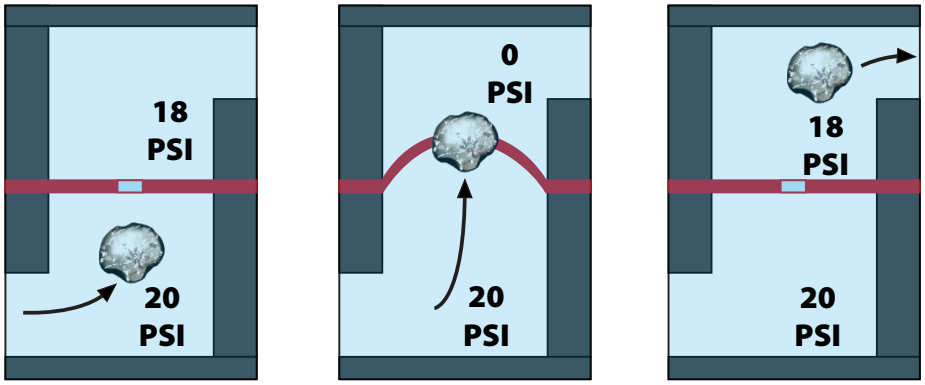
State-of-the-art production equipment, the very best materials, unwavering quality standards, outstanding service, and purposeful people dedicated to a sustained industry leadership have all combined to earn the Bowsmith reputation for product excellence and trustworthiness. And most importantly, the company is committed to conducting all of their business activities in the spirit of fairness and integrity.

The main office and principal production facilities are located in Exeter, California with additional production facilities in Avon Park, Florida.
Dealers and representatives are located worldwide.

The Bowsmith NonStop emitter design, patented in 1974, is based on a simple unique principle found in no other emitter. This Pressure Cascade Principle permits the emitter to tolerate large amounts of suspended solids in irrigation water, without clogging and without the need for fine-mesh filter screens.

The BOWSMiTH Principle:

NonStop Continuous Self-Cleaning Action



A

Orifice Open - Low pressure across diaphragm (Approximately 2 psi)

B

Momentary Blockage - High difference pressure (Up to line pressure)

C

Obstruction pushed through - Low difference pressure restored

How it works

1. The flow path is a series of orifices in the silicone diaphragm.

2. In normal operation, the total pressure difference between inlet and outlet is divided equally across each of the orifices in the flow path.
   - For example: 20 psi inlet pressure, and 10 orifices in the flow path, the pressure drop across each orifice is 2 psi.

3. If an obstruction should occur in any of the orifices, the flow through that orifice will be momentarily restricted. As a result, the pressure drop across that orifice will increase, causing the orifice to enlarge until the obstruction has passed.

For almost 5 decades, millions of Bowsmith NonStop emitters have demonstrated that the unique NonStop Continuous Self-Cleaning Action (Pressure Cascade Principle) really works, even under conditions that would quickly clog ordinary emitters.

With only 30-mesh filtration (recommended minimum), Bowsmith NonStop emitters have operated successfully with water containing heavy concentrations of sand, silt, iron bacteria "slime", calcium carbonates, even algae and moss.

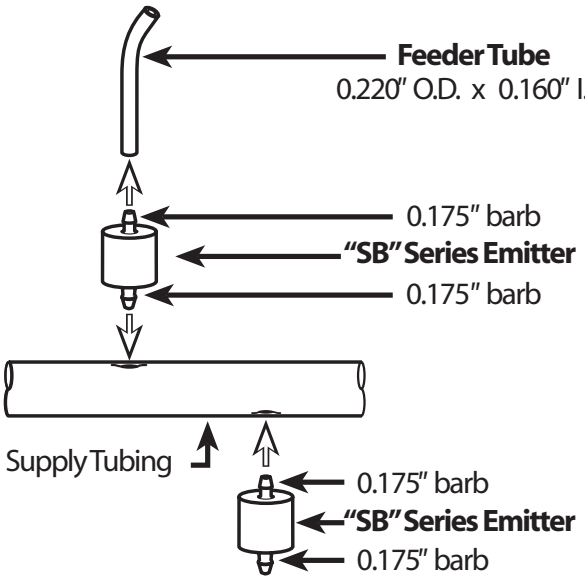
• Increased system reliability
• Reduction in plant loss & stress
• Less maintenance - lower labor costs

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SB Series



Connection / Extension Options



- Single outlet.
- 0.175" O.D. inlet/outlet barb connections on opposite ends. Either can be used as outlet.
- Accessories: riser or feeder tubing for extending the emitter away from the water supply. *See the illustration, left.*

Stock No	Model No.	Nominal Flow*
6120	SB-06 (Green Insert)	0.6 GPH *(2.3 LPH)*
6121	SB-10 (Blue Insert)	1.0 GPH *(3.8 LPH)*
6123	SB-20 (Red Insert)	2.0 GPH *(7.6 LPH)*
6124	SB-30 (Yellow Insert)	3.0 GPH *(11.4 LPH)*

** Nominal Flow @ 20 PSI*

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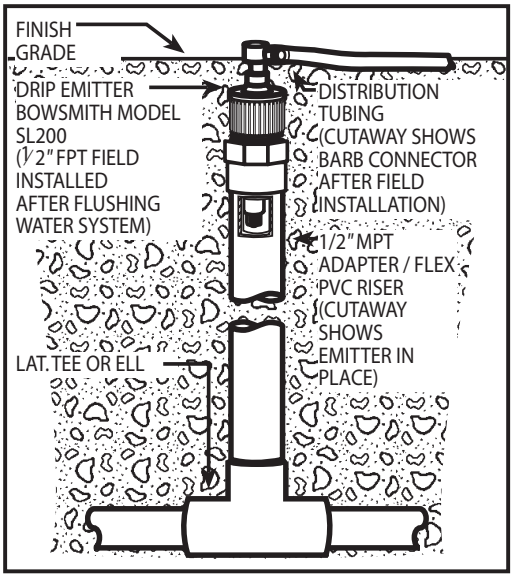


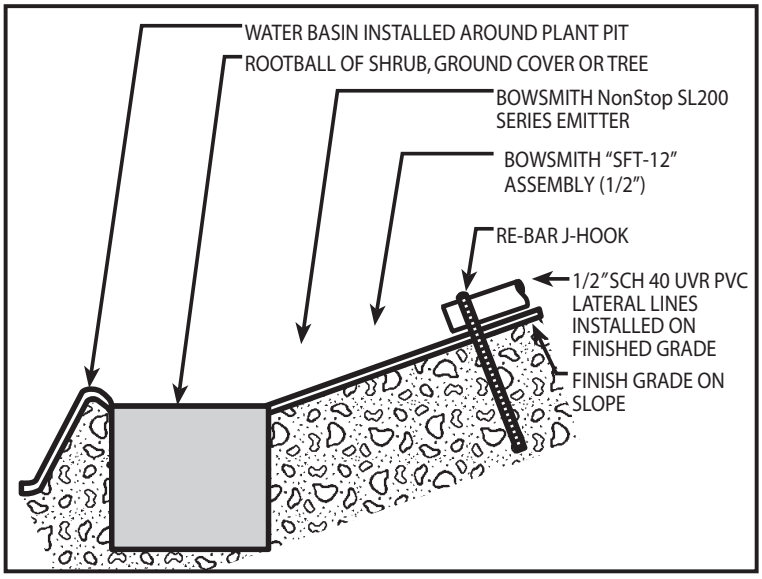
SL Series

- Barbed elbow outlet port for connecting spreader tubing, if desired.
- Industry standard ½" FPT connection in cap.
- Silicone O-ring inside cap for leak-free connections.
- Constructed of tough engineering grade plastic with UV inhibitors.

Stock No	Model No.	Nominal Flow*
6034	SL206 (Green Port)	0.6 GPH *(2.3 LPH)*
6035	SL210 (Blue Port)	1.0 GPH *(3.8 LPH)*
6036	SL220 (Red Port)	2.0 GPH *(7.6 LPH)*
6037	SL230 (Yellow Port)	3.0 GPH *(11.4 LPH)*

** Nominal Flow @ 20 PSI*





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M200 Series



- **Six open outlets. Each maintains its own flow path.**
- **.0250" barb inlet**
- **Includes full set (6 each) of elbow/outlet caps and line plugs.**
- **One-piece elbow/outlet cap fixes position of elbow to prevent it from coming loose in application.0.175"barb for secure attachment of spreader tubing.**
- **The elbow is easily reversed to cap off any unused outlets.**
- **Line plugs can be placed in the end of the spreader tubes to help keep bugs out, but still allow passage of water.**

Stock No	Model No.	Nominal Flow* *each open outlet*
7063	M206 (Green Cap)	0.6 GPH *(2.3 LPH)*
7064	M210 (Blue Cap)	1.0 GPH *(3.8 LPH)*
7066	M220 (Red Cap)	2.0 GPH *(7.6 LPH)*

** Nominal Flow @ 20 PSI*

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ML200 Series

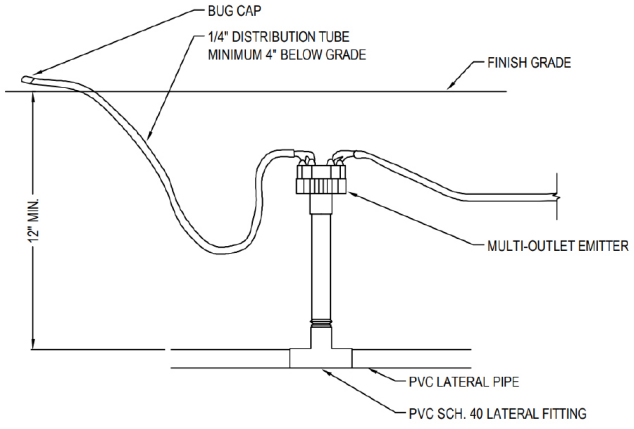


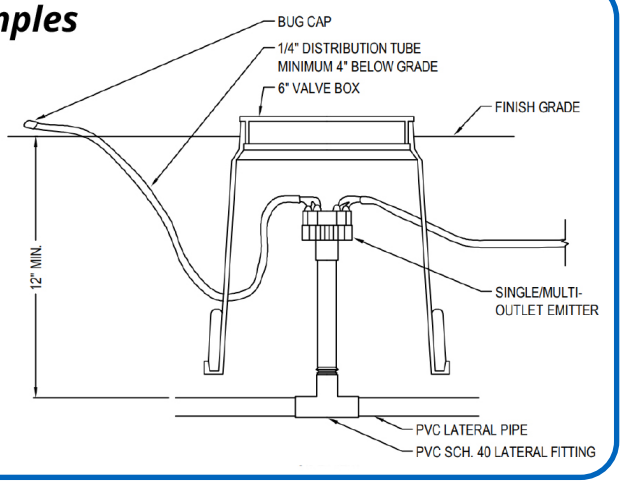
- Six open outlets. Each maintains its own flow path.
- 1/2" FPT inlet.
- Includes full set (6 each) of elbow/outlet caps, and line plugs.
- One-piece elbow/outlet cap fixes position of elbow to prevent it from coming loose in application.
- 0.175"barb for secure attachment of spreader tubing.
- The elbow is easily reversed to cap off any unused outlets.
- Line plugs can be placed in the end of the spreader tubes to help keep bugs out, but still allow passage of water.

Stock No	Model No.	Nominal Flow* *each open outlet*
7068	ML206 (Green Cap)	0.6 GPH *(2.3 LPH)*
7069	ML210 (Blue Cap)	1.0 GPH *(3.8 LPH)*
7071	ML220 (Red Cap)	2.0 GPH *(7.6 LPH)*

** Nominal Flow @ 20 PSI*

Installation Examples







To learn more about our full range of products please visit

WWW.BOWSMITH.COM

BOWSMiTH®

P.O. Box 428 • Exeter, CA 93221 USA
Toll-Free USA: 1-(800) BOWSMITH 1-(800)-269-7648
P: (559) 592-9485 F: (559) 592-2314
www.bowsmith.com