



# Specifications Data Sheet

## Professional Series - BF3000

### Subsurface Chemical & Concrete Moisturizing Injection System

EPA Est. No. 071947-OK-001  
Patent Pending

**Bug Free™ System** is a subsurface chemical and concrete moisturizing injection system, that is permanently built into a home or building. The system loops the entire perimeter of the inner-foundation and utility entrances that penetrate the sub-floor. The objective of the system is to prevent insects from entering structures from the treated zones. The **Bug Free™ System** can be operated by the property owner or licensed pest control company with normal water pressure. Insect control chemicals of the property owner's choice can be easily injected through the system directly to the subsurface zone(s) to be treated. Through the use of a single service port, per zone, attached to the Insecticidor™ hose the system loads allowing the chemicals to be released evenly at low-volume and under low-pressure through capillary action. The system injector regulates flow with a flow control/valve sprayer. As an added benefit the system can also be utilized as a built-in, concrete moisturizing injection system using our **Bug Free™ Solution/adjvant** with water on a periodic basis.

Through scientific innovation and technology the property owners can now protect their structures with chemicals of their choice in a cost effective, reusable, easy to install, injection system. This healthier, safer delivery method has only recently become a reality through **Bug Free™ System**.

The Insecticidor™ hose is made in the USA from High Quality Blend of polyethylene and recycled rubber with special, patented prohibitors that prevent deterioration. Tested to meet or exceed the American Society of Agricultural Engineers (ASAE) EP405 Standards.

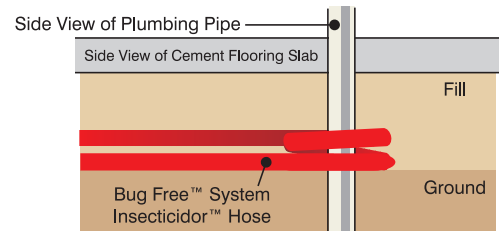
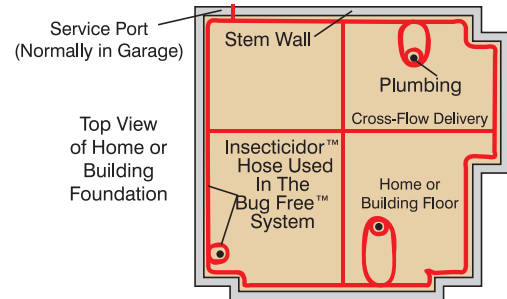
The system can be easily installed at ground level by completely encompassing the inner walls of the structure's foundation and looping back and forth around protrusions (plumbing pipes, etc.) perpendicular to the foundation's inner walls and other points where insects may enter. Bends in the Insecticidor™ hose should be no less than 18" in diameter to avoid kinking. The Insecticidor™ hose may be secured in place where needed using provided aluminum stakes.

The Insecticidor™ hose should not: have kinks, be punctured, be stretched, or installed in a manner that interferes with plumbing, gas, or HVAC components.

One System provides materials for up to a 3,000 sq. ft. structure with up-flow HVAC (ceiling vent) or up to a 2,250 sq. ft. structure with a down-flow HVAC (floor Vent) system.

After installation protected zones should be visually inspected to ensure there are no kinks or possibility of damage by another contractor.

**Bug Free™ Solution/adjvant** (not sold as a pesticide) delivers EPA registered insect control products authorized for use in a more efficient manner.



#### Physical Specifications:

Outside Diameter:	.710"
Inside diameter:	.530"
Wall thickness	.090"
Weight:	± 15.0 ft.\lbs.

#### Technical data:

Manufacturing variation:	Cv < .15
Friction coefficient:	C=120
Burst Strength:	80 psi
Tensile Strength:	100 lbs.
Flow Rate:	1 G.P.M. per 100 ft. at 10 psi
Zone Size:	500 lineal feet

#### General Physical Description:

Color:	Black dull finish, 2 parallel red or green stripes
Texture:	Slightly abrasive, porous
Shape:	Circular, lineal
Rigidity:	Flexible
Composition:	Recycled rubber and polyethylene

*Tested to meet or exceed the American Society of Agricultural Engineers (ASAE) EP405 Standards.  
System use subject to Federal and local codes.*



Corporate Headquarters • 7148 N.W. 112th St. • Oklahoma City, OK 73162 • [www.bugfreesystem.com](http://www.bugfreesystem.com)