A5 PC™ Series Pressure Compensating Ag Dripline

Next generation drip technology from the world leader in irrigation
Rain Bird® A5 PC™ Dripline with GritX™ Emitter Technology:
Superior design for superior reliability in the field

GritX™ Emitter Technology drives the advanced performance of Rain Bird’s low-profile A5 PC emitter, providing you the ultimate in reliable performance and uniform water distribution.

- State-of-the-art assembly technology helps resist bending and collapsing under extreme field use.
- Chemical-resistant silicone diaphragm for longer life.
- Dual-flushing emitter design clears grit and debris to provide reliable supply of clean water to crops.
- Widest emitter flow channel in the industry lets debris pass instead of internally plugging emitter.
- Reinforcing members make emitter structurally more robust.
- Larger inlet holes let debris pass instead of plugging emitter filter.
- Low-profile design draws cleanest available water and reduces friction loss.
Rain Bird® GritX™ Emitter Technology removes the obstacles to reliable irrigation

Growers face difficult challenges in the field every day. Efficient, worry-free irrigation shouldn’t be one of them. That’s why Rain Bird engineers developed grit-resistant, self-cleaning GritX Emitter Technology.

**How it works**

GritX Emitter Technology ensures a steady flow of water to your crops by drawing clean water from the center of the tubing. Most grit and debris flow along the tubing wall without entering the emitter. Any debris that enters is easily passed through the emitter’s large inlet holes and along the wide flow channel – the widest in the industry. The dual-flushing design forces grit out of the emitter automatically, preventing clogs that can potentially harm your crops. The result: consistent flows and even distribution of water that you can rely on.

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**Rain Bird® GritX™ Emitter vs. Typical Round Emitter**

**Flat emitter**

Only allows the cleanest available water to enter from the center of the tubing, no matter what the position of the emitter.

**Round emitter**

Draws water near the inside wall of the tubing where water is dirtiest, creating a greater probability of plugging and inconsistent irrigation.

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**A5 PC™ Flow vs. Pressure**

![Graph showing A5 PC™ Flow vs. Pressure](image-url)
Engineered, manufactured and tested with your needs in mind

You now have a choice when it comes to flat-emitter, pressure-compensating hard hose dripline. Rain Bird engineers leveraged over 75 years of irrigation expertise to develop state-of-the-art Ag dripline that meets or exceeds the performance of any Ag dripline on the market. Rain Bird® A5 PC™ Dripline is designed to address the key issues confronting growers today:

Reliable, steady flow
A5 PC’s grit-tolerant, clog-resistant design ensures that water will keep flowing to your crops, whether it is being drawn from a well, pond, reservoir or canal. By minimizing clogging and maintenance, it saves you time and money.

High uniformity and efficiency
The technologically advanced pressure-compensating design of the A5 PC emitter maximizes uniformity and water-use efficiency, even with substantial elevation changes. By reducing the use of water, chemicals and fertilizer, you get increased crop output with significantly lower input.

Maximum durability
Growers demand reliable performance in the harshest conditions. A5 PC dripline is engineered and tested to stand up to harsh chemicals, UV radiation and damage that can be caused by farm equipment, giving you years of worry-free performance.

Application versatility
A5 PC dripline is ideally suited for all vineyard and orchard applications, including grapes, hops, stone fruits, almonds, walnuts, pecans and more.

Made in the USA
A5 PC pressure compensating agricultural dripline is designed, engineered, manufactured and tested in the USA.
Key advantages

**Greater uniformity**  
Pressure-compensating emitter performance over the entire lateral length ensures consistent, accurate watering for healthier crops.

**Exceptional durability**  
Structurally robust design stands up to abuse from tractors and harvesting equipment. Specially formulated silicone diaphragm resists damage from chemicals and grit, adding to durability and long-term, worry-free performance.

**Unmatched UV protection**  
Manufactured from a unique, field-proven resin blend that holds up against destructive UV radiation better than the competition. Resists cracking and splitting to deliver years of reliable operation.

**Longer runs, lower costs**  
Low-profile emitter design results in reduced friction loss, allowing longer maximum lateral runs and more cost-effective system design.

**Up to 15% energy savings**  
Lower minimum compensating pressure and reduced friction loss decreases energy requirements by up to 15%. (Based on 18 mm tubing, 0.5 gph emitter flow rate, 36” emitter spacing and 880’ dripline run length.) A5 PC requires 8.3 psi less operating pressure than cylindrical style emitters saving growers up to 15% energy costs annually.

**Outstanding service and support**  
Over 75 years of Ag irrigation expertise and a strong dealer network to assist you with design, installation, service and support of your system.

**Available with pre-installed trellis clips**  
- Dramatically reduces labor and installation time in the field.
- Unique engineering plastics provide unparalleled strength on the wire.
- Superior control of water placement by directing water droplet to the plant.
- Low profile for mechanical harvesting
- Easily adjustable - moves from one end of the dripline to the other preventing water migration
- Economical - saves water costs
- Pre-installed at Rain Bird manufacturing facility

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**Specifications**

**Applications:**  
Flat, sloped or rolling terrain  
Low-quality water conditions

**Nominal Flow Rates:**  
0.31 GPH, 0.42 GPH, .53 GPH, 0.61 GPH, 1.06 GPH  
(1.2 L/h, 1.6 L/h, 2.0 L/h, 2.3 L/h y 4.0 L/h)

**Standard Emitter Spacing:**  
18", 24", 30", 36", 42", 48", 60"  
20 cm, 40 cm, 45 cm, 50 cm, 55 cm, 60 cm, 70 cm, 75 cm  
Custom spacings available

**Minimum Regulating Pressure:**  
7 psi

**Maximum Regulating Pressure:**  
60 psi

**Required Minimum Filtration:**  
120 mesh (125 micron)

**Tubing Dimensions:**  
16 mm  
(ID 0.540” (13.72 mm), wall thickness 0.035” (0.89 mm))  
(ID 0.540” (13.72 mm), wall thickness 0.045” (1.14 mm))  
18 mm  
(ID 0.619” (15.72 mm), wall thickness 0.045” (1.14 mm))  
20 mm  
(ID 0.687” (17.45 mm), wall thickness 0.050” (1.27 mm))

**Customer Satisfaction Policy:**  
Rain Bird’s best-in-industry Customer Satisfaction Policy provides 5 years of protection on product workmanship and 7 years on environmental stress cracking.

Rain Bird has a rich history serving the agricultural community. Beginning in 1933 with the invention of the original horizontal action impact drive sprinkler by a Glendora, California citrus farmer (U.S. Patent #1,997,901), Rain Bird revolutionized the food production industry and ushered in a new era in irrigation, worldwide. The original impact sprinkler was designated a historic landmark in 1990 by the American Society of Agricultural Engineers.

Rain Bird has been awarded more than 130 patents for innovative irrigation products and technologies. Today, Rain Bird products are used in over 130 countries around the world to irrigate nearly every imaginable crop. Rain Bird is committed to The Intelligent Use of Water™, bringing its expertise and knowledge to further increase irrigation efficiency, minimize maintenance costs and enhance the health of crops.

Visit www.rainbird.com/A5PC for more information.

A legacy of agricultural innovation