

FCI High Performance (HP) Nozzles for 1/2" Base Impact Sprinklers

Maximizing The Efficiency Of Sprinkler Irrigation

IS AS SIMPLE AS CHANGING NOZZLES

The new FCI High Performance (HP) ag nozzles for 1/2" impact sprinklers are designed to replace standard straight bore nozzles. Here is how they work: First, the FCI HP nozzles are fitted with an exclusive non-plugging vane that eliminates the turbulence occurring in all sprinklers before it reaches the nozzle. This turbulence varies from sprinkler to sprinkler and results in erratic sprinkler performance. Next, the uniquely designed FCI stainless steel orifice plate strips a precise amount of water from the turbulent free stream. This water then



breaks away from the stream, creating the ideal sprinkler profile

(see reverse side for sprinkler profile and test data comparisons)

and maximizing the performance of each

sprinkler. FCI HP nozzles are the most

cost effective way to achieve the

highest possible uniformity of any

impact sprinkler system.



FCI HP Nozzle Flow Rates

Standard Sizes	5/64"	3/32"	7/64"	1/8"
FCI Color Code	Blue	Green	Grey	Red
PSI	GPM			
30	1.15	1.60	2.25	2.80
40	1.30	1.80	2.45	3.10
50	1.40	1.95	2.60	3.35
60	1.50	2.10	2.75	3.55

40 through 50 psi are ideal operating pressures.

Benefits and Features

- Highest possible uniformity from existing impact sprinklers
- Nozzle Threads sizes available for Rain Bird, Weather Tec, and Nelson 1/2" impact sprinklers.
- Standard 7/16" hex size.
- Sprinkler distance of throw will not decrease.
- Sprinkler rotation speed will not change.
- Performs equally well on either standard rectangular or triangular spacings.
- Larger orifice opening does not increase flow, but will significantly reduce plugging.
- Stainless steel orifice plate will outwear brass.
- Color coded sizes for easy identification.
- Save water and energy.
- Increased yields.

Available from:



Full Coverage Irrigation, Inc.

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