

FCI Flow Control Nozzles For 3/4" Base Impact Sprinklers

About FCI

Full Coverage Irrigation, Inc.. (FCI) is a company that designs and manufactures high efficiency after market sprinkler and hose end nozzles for golf courses throughout the U.S. and internationally. Today's golf courses require an incredibly high level of sprinkler uniformity in order to maintain the playable surfaces that golfers prefer. When manufacturers like Rainbird™ and Toro™ fall short, FCI steps in and takes over.



Agricultural users of sprinkler irrigation also demand high efficiency and FCI would like to step up to the plate and share its unique technology with today's growers.



FCI Flow Control Nozzle Performance

Our Flow Control Nozzles

- Maintain a constant flowrate from 40 to over 100 psi.
- Water stream is free of turbulence.
- Radius of throw is equal to that of straight bore nozzles of similar gpm.
- Brass hex is much smaller than the competition (9/16" vs. 3/4"). This makes the nozzle less expensive to manufacture and FCI passes that savings on to the grower.
- The FCI flow control washers are conically shaped diaphragms. This unique shape results in a much smaller part which allows FCI to use polyurethane (a higher quality, tougher, more abrasion resistant, and higher cost/lb. elastomer than the competition). The part is oven cured for 4 hours to guarantee a long life.
- Sizes are color coded for easy identification.
- Colorized retaining washer is made of 304 stainless steel.
- Save water and energy.

FCI Nozzle Size	3.25	4.25	5.00	6.00	7.00	8.00
Color	Yellow	Blue	Green	Red	Black	Grey
Fractional Equivalent	1/8"	9/64"	5/32"	11/64"	3/16"	13/64"
PSI	GPM					
30	2.85	3.40	4.90	5.85	5.60	7.65
40	3.10	3.90	5.05	6.00	6.80	7.95
50	3.20	4.20	5.10	6.05	7.10	8.00
60	3.25	4.30	5.15	6.10	7.20	8.10
70	3.25	4.30	5.15	6.10	7.20	8.15
80	3.25	4.30	5.15	6.10	7.20	8.20
90	3.25	4.30	5.15	6.10	7.20	8.20
100	3.25	4.30	5.15	6.10	7.20	8.20

Available from:



Full Coverage Irrigation, Inc.

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How The FCI Flow Control Nozzle Works

FIG. A

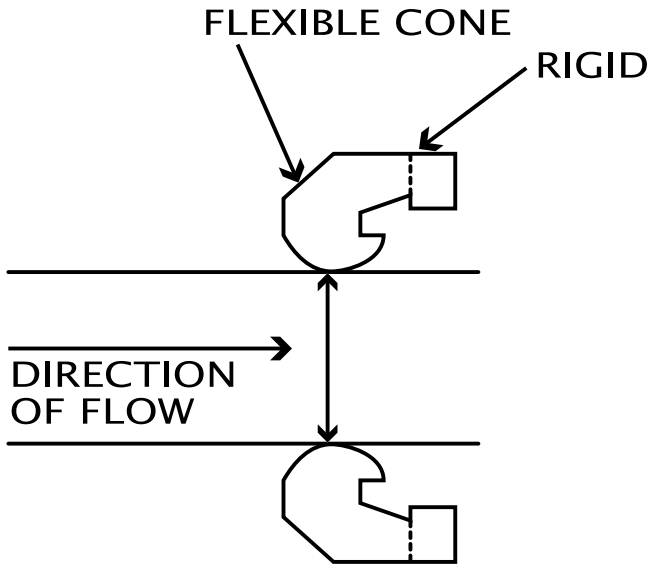
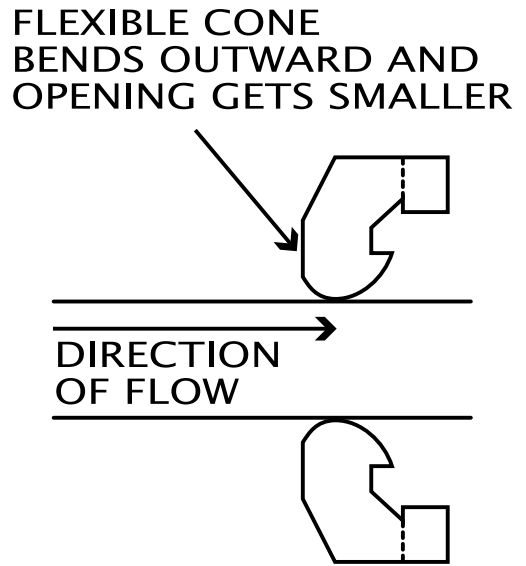


FIG. B



DIAPHRAGM @ 10PSI

DIAPHRAGM @ 70PSI

FIG. A

Represents the polyurethane diaphragm when subjected to minimal or no pressure. The hole through the diaphragm is at its maximum diameter.

FIG. B

Displays that the conically shaped diaphragm bends outward when subjected to higher pressures and the hole through the diaphragm reduces in diameter. This is how the FCI flow control nozzle maintains a constant flow over a wide range of pressures.

Trade Warranty Policy

Full Coverage Irrigation, Inc. warrants to its customers that its products will be free from original defects in materials and workmanship for one year from the original sale. It will replace, free of charge, parts found to be defective under normal use within the warranty period. Full Coverage Irrigation, Inc.'s liability under this warranty is limited solely to replacement or repair of defective parts.