

# Delta T C Series High Performance Cavitation Control

**Brand:** Max-Air Technologies



## Short Description

Diffuser is defined as “A device for reducing the velocity and increasing the static pressure of a fluid passing through a system”. Delta T’s unique diffuser plate butterfly valve does that by incorporating a spherical edged disc with the diffuser plate to direct and diffuse the flowstream. This optimizes the ability to control flow and minimizes noise, cavitation and damaging high velocity jets of fluid. In the first 30° of rotation, when pressure drop is the highest, the spherical edged disc constrains the flow, directing it through the diffuser to minimize the potential for damaging flow conditions.

## Description

Features: • ANSI Class 150 and 300 in Wafer, Lugged, and Flanged body styles (3” - 24”) • Available in a broad selection of materials • WCB and CF8M bodies standard • CF8M Stainless Steel disc and stem standard • Soft, fire safe, & metal seats available • Metal seats (high temperature, corrosive services, metallurgical-sensitive applications) w/ Class IV shutoff • ISO 5211 actuator mounting is standard, direct mounting on 12 inch and smaller • Control & anti-cavitation trim plate provides a high level of control and noise reduction within the first 30° of rotation • Soft seated trims offer bi-directional class VI shutoff • Clean, field repairable design • Field adjustable packing standard • Live-loaded or vacuum packing available Series Designations: • C50 – CLASS 150 – ANSI/DIN WAFER • C51 – CLASS 150 – ANSI LUG • C52 – CLASS 150 – DIN LUG • C53 – CLASS 150 – ISO 5752 FLANGED (SHORT) • C60 – CLASS 300 – ANSI/DIN WAFER • C61 – CLASS 300 – ANSI LUG • C62 – CLASS 300 – DIN LUG • C63 – CLASS 300 – ISO 5752 FLANGED (SHORT) Ambient Temp. -50°F to 550°F Body Material A216 WCB, A351 CF8M, +more Stem Material 17-4PH Stainless Steel,

+more Stem Standard ISO Mounting Standard ISO 5211 Seat Field Replaceable Seat  
Disc Diffuse Plate Disc Design Max Pressure Rating Class 150, 300 Additional Options  
Handles, Infinite Locking Plates, Manual Gear Operators, Chainwheels, Stem Extensions,  
Operator Nuts, Flange Bolt Kits