

# Tideflex Diffuser Hydraulic Variations



- There are Over 50 Hydraulic Variations Available per Nominal Tideflex Size. Variations are Made by Changing Geometry and Relative Stiffness (see below)
- For Each Project, Tideflex Engineers Determine The Geometry and Relative Stiffness to Produce the Required Jet Velocity, Headloss, and Effective Diameter Characteristics

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**Just 4 of Numerous Geometry Variations within Each Nominal Tideflex Size**



**Just 3 of Numerous Relative Stiffness Variations within Each Nominal Tideflex Size**



# TIDEFLEX Independent Hydraulic Testing

- Extensive Independent Hydraulic Testing was Performed on Tideflex in Many Sizes Between 2" – 48" and in Numerous Geometry and Stiffness Variations
- The Extensive Amount of Test Data was Utilized to Develop Tideflex Hydraulic Models That are Used In Every Tideflex Application Including Tideflex Mixing Systems (TMS), Effluent Diffusers, and Single Point Outfalls
- Model Data Includes Headloss, Total Headloss, Jet Velocity, Effective Diameter, Effective Area, Jet Geometry, Thrust, Froude Number

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