

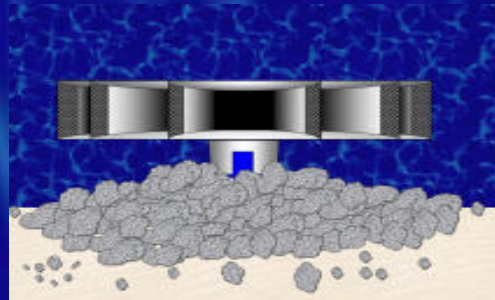
InvisiHead Specifications

Technical:

- Entrance Velocity: 0.09 m/s (0.295 fps)
- Flow Controlling Mechanism: The Potential Flow Principle
- Flow Pattern: Omni Directional, flaring
- Flow Domain: 3-D Continuous Expansion
- Flow Streamline Variability: Curved upward – straight – curved downward, asymmetrical around central disc
- Flow deceleration away from entrance: Asymptotic to horizontal (approaches 0.0 m/sec² after a short span, a.g. velocity becomes minutely small only 5 meters (15 ft) away from the InvisiHead Line of Entry)
- Flow Profile: Almost flat with uniform velocity at the Line of Entry.
- Pressure distribution : Uniform at the Line of Entry (No eddies, head loss due to friction is negligibly small)

Physical:

- 4-Phase Flow Pattern:
 - Approach
 - Stabilization
 - Acceleration
 - Steady State
- Dimensions: Vary with :
 - Flow capacity
 - Dimensions of each flow phase
 - Wave height
 - Uplift Forces
 - Lateral forces
 - Submarine currents
 - Geographic location



Mechanical:

- Passive flow
- Non restricted free flow (no screens)
- Made of Stainless Steel as a first choice, Carbon Steel as a second choice, Fiber Glass also considered in low hurricane probability regions
- Factory assembled, or assemble at site
- Weight is a function of the physical criteria and type of material the InvisiHead made of
- Structural stability is determined through the analysis of the site data (climatic and geotechnical)

The Approach Velocity vs. Distance; flow velocity drops rapidly away from the InvisiHead

