



EPA 316(b) Compliance

The Environmental Protection Agency (EPA) established standards for cooling water intake structures under section 316(b) of the Clean Water Act. The regulation requires best technology standards to minimize adverse impacts to endangered fish, shellfish and other forms of marine life.

316(b) affects roughly 1,065 existing facilities that are designed to withdraw at least 2 million gallons of cooling water per day from lakes, rivers, or oceans to cool their plants.

HENDRICK HAS THE SOLUTION

Based on their studies, the EPA concluded that the wedge wire water intake screen construction to be an effective technology to reduce impingement and entrainment of aquatic organisms.

We offer several 316(b) wedge wire compliant options, in a variety of material options:

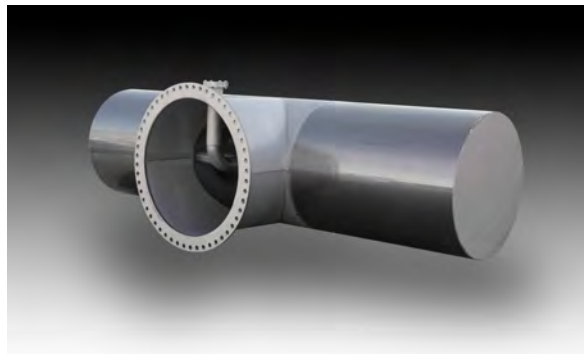
- T-Intake Screens
- Half-Barrel Intake Screens*
- Drum Screens
- Flat Panels

Hendrick also offers an Airburst Cleaning System to remove external build-up on the screen, assuring trouble-free, uninterrupted water intake operations.

Contact our dedicated water intake engineering group to discuss your application.

* U.S. Patent HSC 003 UAUS1

T-INTAKE SCREENS



Hendrick offers water intake screens with flexible, cost effective designs. Material options include stainless steel and copper-nickel when anti-biofouling is essential.



HALF-BARREL INTAKE SCREEN

Shallow Water Solution



For shallow water conditions, Hendrick offers a patented half-barrel intake screen. With the same flow characteristics of our T-Intake screens, the bottom discharge outlet allows complete functionality in low water. Ideal for small creeks or rivers where a full T-Intake screen won't work.



Wedge Wire Construction

Intake Screen, Drum Screen and Half-Barrel Construction

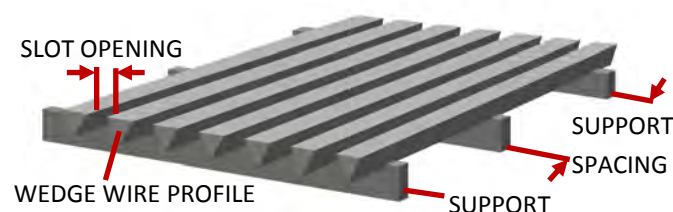
Wedge Wire Profile
Images are not to scale

	30V	47V	60V	69SV	69V	90V	125V	130V
Width	.032	.047	.060	.069	.069	.090	.125	.130
Height	.075	.098	.100	.125	.185	.150	.200	.310
Relief Angle	6.5°	10°	13°	10°	6°	13°	13°	8°

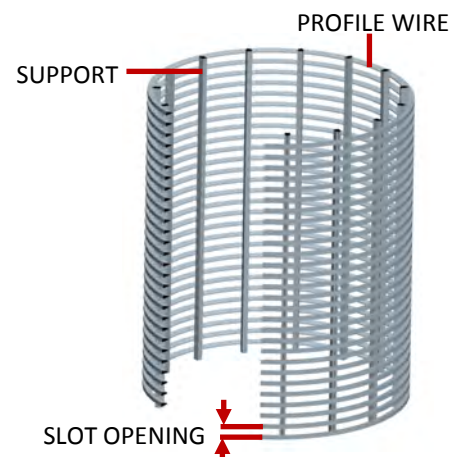
Support
Images are not to scale

	.070 x .50	.070 x .75	.070 x 1	90Q	L90Q	130Q	130QT	.118 x .185
Width	.070	.070	.070	.090	.090	.118	.118	.118
Height	.500	.750	1.000	.160	.125	.197	.272	.185

FLATTENED VIEW

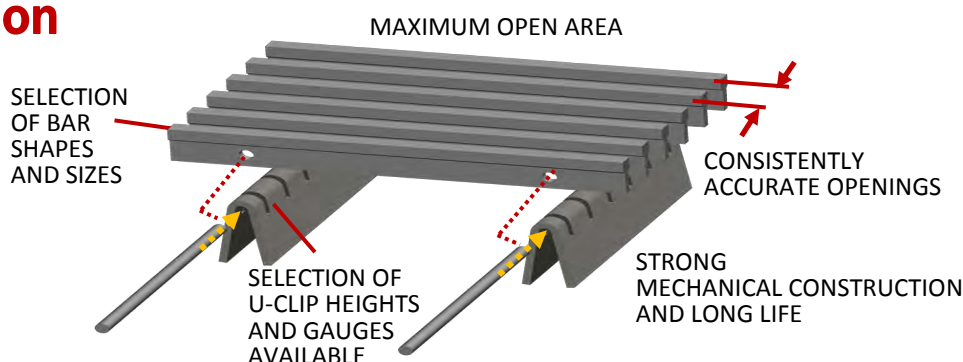


CYLINDRICAL VIEW



Profile Bar Construction

Optional Construction for Flat Panels



Profile Bar
Images are not to scale

	B69	B6S	B6	B9S	B9	B12	T9M	T9	F12	T12	T16	T24
Width	.069	.093	.093	.140	.140	.187	.140	.140	.187	.187	.250	.500
Height	.290	.290	.375	.320	.375	.500	.453	.453	.500	.500	.750	.750
Cap Height	.080	.080	.093	.110	.125	.156	.125	.203	.185	.188	.250	.250