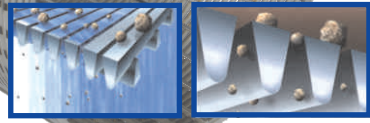


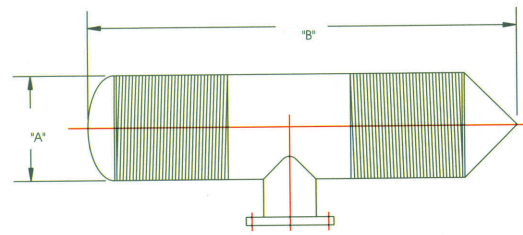
Concord's High Performance Wedgewire Construction

Concord Screen's wedge-shaped wire design provides maximum open intake area. In a wedgewire application, the debris is filtered by the smooth side of the standard wound wedgewire element. The screen's vertical support rods are rigidly welded at every intersection, giving a smooth surface to further enhance the free flow of water. Our exclusive, high-tech welding technique also delivers a screen with outstanding strength and resistance to corrosion.

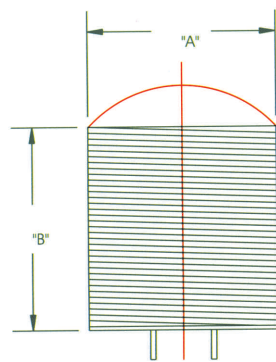


Standard & Specially Designed Intake Screens

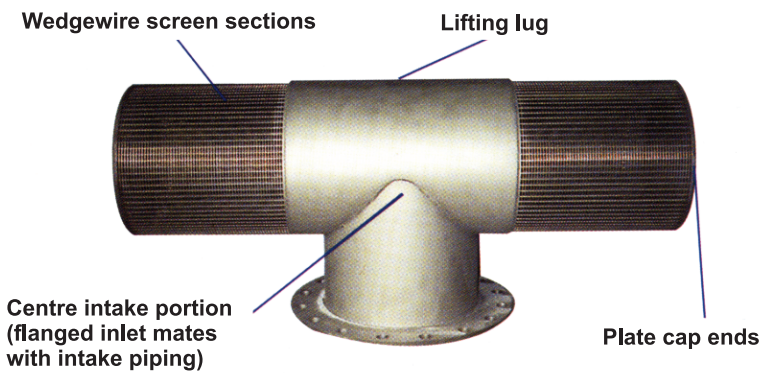
In addition to the screens represented, Concord Screen also fabricates many custom intake screens for unique and difficult applications, from very fine slot sizes to elaborate intermittent flushing units. The Tee Intake Screen is ideal for lake, river, ocean or pond service. Twin screen ends allow for more uniform patterns across the intake surface. Increased surface area permits screening at very fine slot sizes. The Drum Intake Screen is excellent for low flow rates and general service applications.



Tee Intake Screen



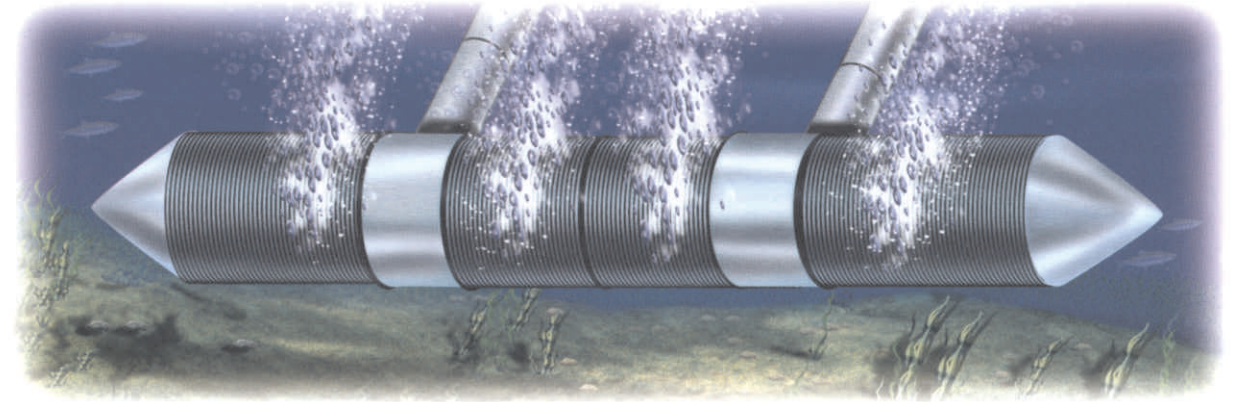
Drum Intake Screen



Model #	Capacity Range	NOM Diameter	Unit Length	Approximate Weight (LBS)
T-12	155-900	12"	45"	145
T-16	275-1,400	16"	55"	240
T-18	500-2,000	18"	62"	355
T-20	625-2,450	20"	66"	530
T-24	850-3,300	24"	80"	675
T-28	1,150-4,000	28"	90"	875
T-30	1,400-4,800	30"	98"	1,250
T-34	1,700-5,900	34"	106"	1,500
T-38	2,000-7,000	38"	116"	1,800
T-42	2,500-9,500	42"	150"	2,200
T-48	3,700-12,500	48"	170"	2,800
T-54	4,500-15,800	54"	190"	3,950
T-60	6,000-19,500	60"	215"	5,400

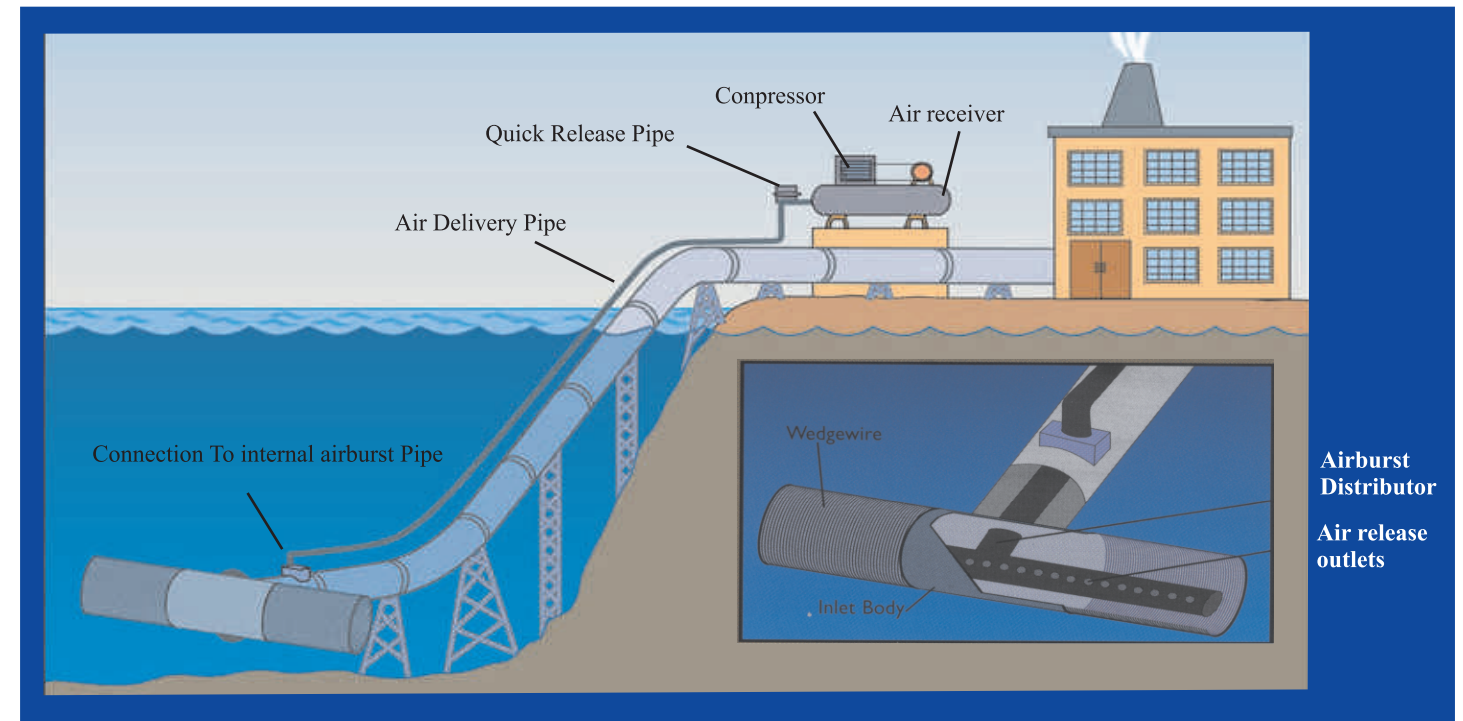
Model #	Capacity Range G.P.M	NOM Diameter "A"	Unit Length "B"	Approximate Weight (LBS)
D-12	75-395	12"	13"	45
D-18	225-910	18"	20"	125
D-24	440-1,550	24"	25"	230
D-30	675-2,275	30"	31"	350
D-33	850-3,300	33"	35"	400
D-36	1,000-3,600	36"	37"	525
D-42	1,250-7,750	42"	52"	675
D-48	2,000-6,300	48"	60"	835
D-54	2,300-7,850	54"	67"	1,050
D-60	3,000-9,750	60"	75"	1,365
D-66	3,800-11,750	66"	81"	1,675
D-72	4,500-14,000	72"	88"	2,000
D-78	5,500-17,000	78"	97"	2,450
D-84	6,250-19,000	84"	105"	3,000

Intake Screen Options



Concord Screen Airburst Assembly©

You can minimize costly maintenance of submerged intake screens with Concord Screen's Airburst Assembly©. It consists of a surface-mounted air compressor connected to a pipeline to convey air to the intake screen. A quick release valve fires a volumn of air approximately three times the screen capacity to the intake. There, an internal airburst distributor transmits the burst of air evenly through the plugged slots of the intake screen to provide thorough automatic cleaning.



Chemical Burst: Allows delivery of chemicals to the inside of the screen. Bursting chemicals will assist in the removal of impeding organisms adhering to the screen.

Internal Distributor Plates: To provide even flow patterns across the intake screen surface.

Cone Ends: Allows moving water to flow smoothly over the screen, also providing a natural cleaning effect as the water sweeps debris from the outside of the screen.

Wedgewire Cap Ends: To further increase screening area where water is stagnant.

Exotic Alloys: To protect against screen binding organisms, such as zebra mussels. Also appropriate in corrosive environment applications such as salt water.

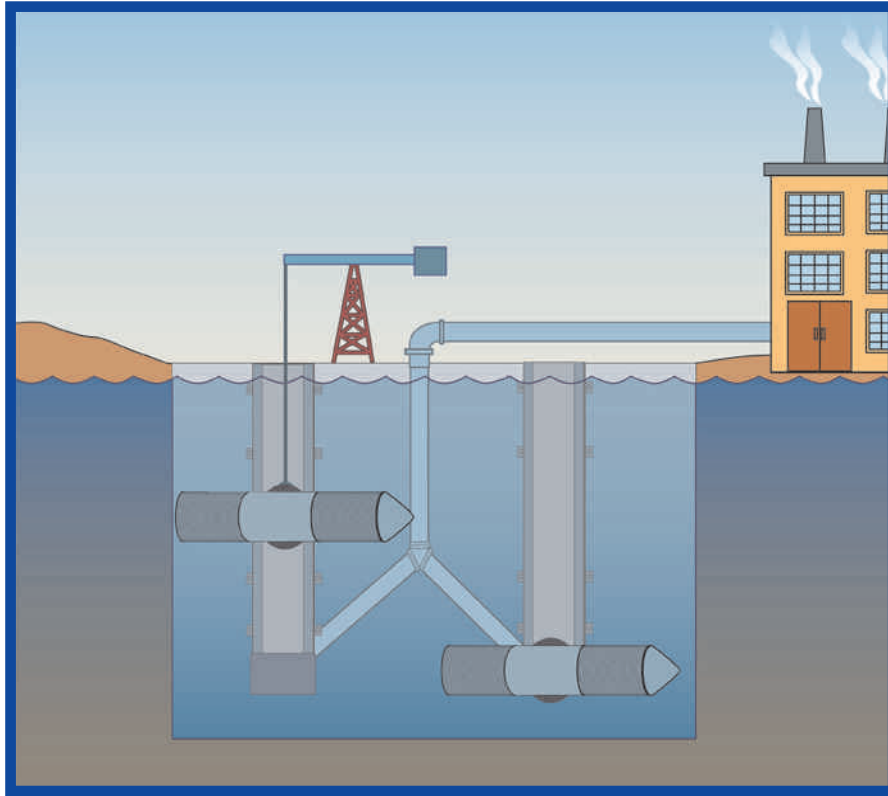
Leg Assemblies: To simplify installation and to support the screen in service.

Guide Brackets: For rail type installation and service structures (see back cover).

Diver Door: Provides access for manual servicing of intake screens.

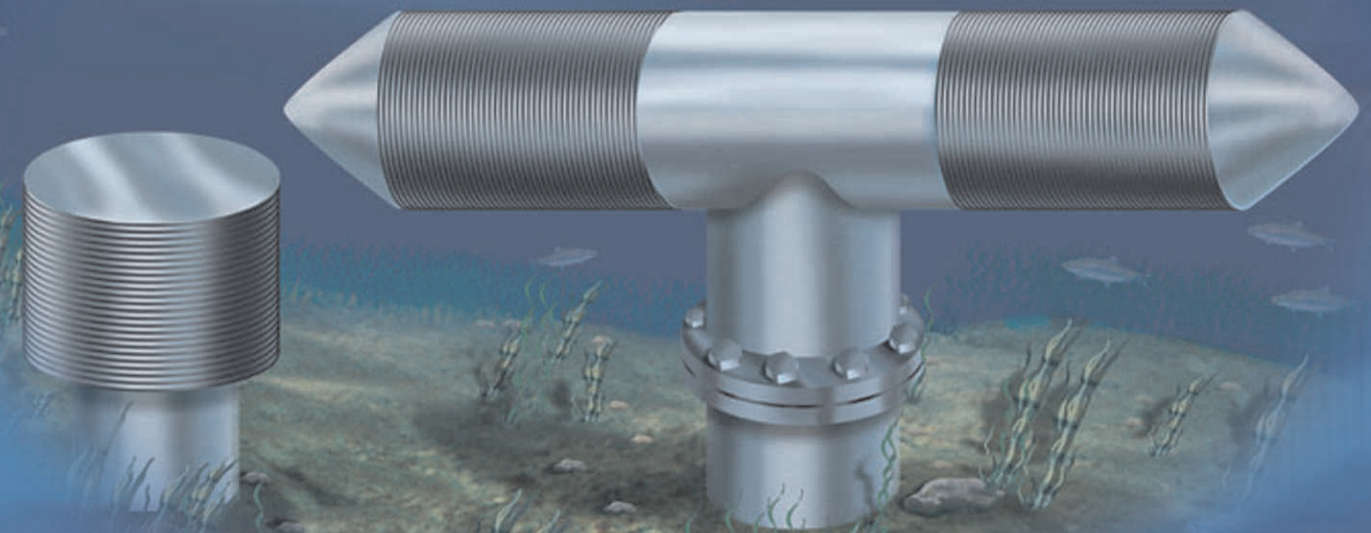
Industrial Intake Screen Suit Any Environmental Application

Concord Screen Intake Screens can be installed in a variety of different patterns, such as the Vertical Slide Rail Installation depicted here. Lifting mechanisms are employed with slide rails for convenient removal and maintenance of screens. Cone ends are depicted, facing upstream, allowing the natural current flow of water to sweep any debris from the intake screen. One of the intake screens is being hoisted for cleaning and evaluation. During service, the flow through the embedded pipeline connected to the intake screen in service is temporarily cut off. Interruption of flow to the facility will NOT occur. The remaining inline screen can handle the full flow requirement of the facility, allowing one screen to be removed. Additionally, a lifting mechanism may avoid having a diver go down and clean the screens. Many installations involve the pipeline and intake screen being welded together, making a more permanent application.



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INTAKE SCREENS



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