



# Automatic Filters for Cooling Water Systems

## Eaton's automatic self-cleaning strainer Model 2596 protects system components from harmful contamination by removing dirt and debris

Cooling towers are used to remove waste heat and cool the circulating water for systems including power stations, chemical plants, oil refineries and air conditioning units. Cooling tower systems can be contaminated by air and water entering the system or by suspended solids from corrosion processes. These deposits and other damaging particles can reduce the efficiency of cooling system components like the heat exchanger and the pipeline equipment.

Strainers can substantially reduce suspended solids and potential deposits, thus improving cooling water system operating efficiency. They can reduce cleaning and maintenance costs and increase the life expectancy of all system components.

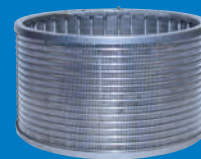
Eaton offers automatic self-cleaning strainers, designed to reduce maintenance with the continuous removal of entrained solids. Model 2596, is a reliable, robust, and efficient strainer with an automated control system monitoring the strainer's operation. This model accomplishes the cleaning through an integral backwash system, providing an uninterrupted flow.

### Element Options

Eaton offers a full range of element choices for Automatic Strainers. All are manufactured to the toughest industry standards and are designed for long term use in even the most demanding applications.

The DuraWedge® is a nonlogging, rugged stainless steel straining element constructed from V-shaped profile wire.

The Convoluted Element is a sturdy, economical stainless steel element, ideal for large amounts of miscellaneous debris.



DuraWedge element



Convoluted perforation or wire mesh element

### Specifications Model 2596 – 2" to 36"

		Fabricated version	Cast versions
<b>Flow rates</b>	up to 8,000 m <sup>3</sup> /h	<p>2" to 36" (special and bigger sizes upon request)</p>	<p>2" to 8" 10" to 16"</p>
<b>Screen options</b>	Durawegde and convoluted perforated or wire mesh baskets [retention rates 200 mesh (75 µm) to 3/16" (5 mm)]		
<b>Cleaning</b>	automatic backwashing* for operator free service		
<b>Seal</b>	exclusive idL™ Seal* for leak free service		
<b>Maintenance</b>	easy due to unitized modular assembly		
<b>Construction</b>	fabricated carbon or stainless steel		
<b>Other options</b>	various grades of stainless steel, copper-nickel alloys, MONEL® and other exotic materials of construction; "AD 2000-Merkblätter", DIN EN 13446 or ASME Code and approval according to PED (modules H, H1 or G) available; flanged, screwed, or socket weld backwash connections; internal and external epoxy paint or other coatings, upon request, on all carbon steel components for fresh water service applications; custom designs are available upon request		

\*available up to 30" only

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