

## Automatic Self-Cleaning Strainers

# 2596 10"-60"

Pipeline  
Strainer

Fabricated  
Construction

Permanent  
Media



Model 2596 20"

*Eaton's Model 2596 Fabricated Automatic Self-Cleaning Pipeline Strainers are available in 10", 12", 14", 16", 18", 20", 24", 30", 36", 48", and 60" sizes. Continuous flow, simplified maintenance, and worry-free operation characterize the Model 2596 across numerous industries.*

### FEATURES / BENEFITS

- Flow rates up to 35,000 gpm (7949 m<sup>3</sup>/hr)
- A broad selection of screen options
- Automatic backwashing for operator-free service and minimal backwash effluent
- Exclusive idL™ Seal for leak free service, available up to 24" only
- Unitized modular assembly for easy maintenance
- Fabricated carbon steel construction

### OPTIONS

- Various grades of stainless steel, copper nickel, monel, and other exotic materials of construction
- ASME Section VIII, Div. 1. code stamp 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

The Eaton Model 2596 Automatic Self-Cleaning Strainer is designed for the continuous removal of entrained solids from liquids in pipeline systems.

With an automated control system monitoring the strainer operation, cleaning is accomplished by an integral backwash system. A small portion of the screen element is isolated and cleaned by reverse flow while the remaining screen area continues to strain—providing uninterrupted flow. This efficient design uses only a small amount of the liquid being strained to carry debris away from the strainer element.

The Model 2596 features the idL™ shaft seal that positively prevents leakage from the backwash shaft at the top of the strainer. This unique quad seal keeps the exterior of the strainer dry and prevents external leakage or weeping of the process media down the sides of the strainer.

To simplify maintenance the Model 2596 features a unitized modular assembly. The motor, gear reducer, and the internal operating mechanism are housed within the strainer cover and lift off as a unit. This makes all components easily accessible and reduces associated maintenance costs.

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