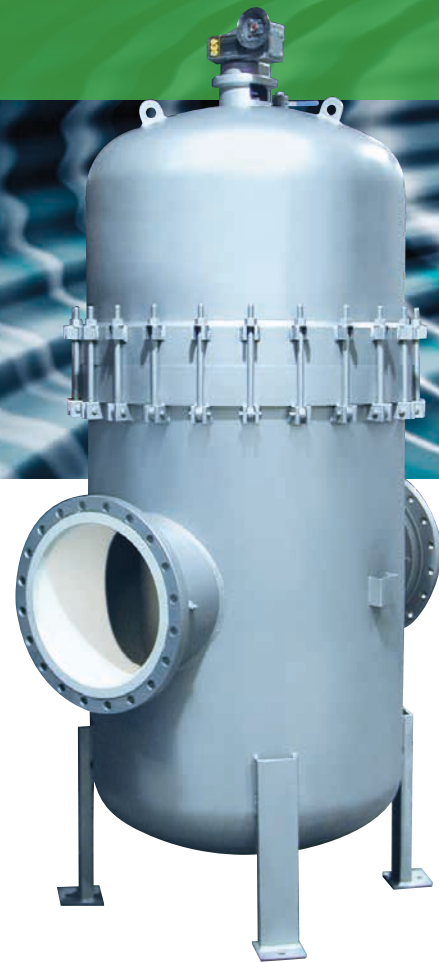


# Model 2596

## 6"–36"



Model 2596 20"

*Eaton's Model 2596 Fabricated Automatic Self-Cleaning Pipeline Strainers are available in 6", 8", 10", 12", 14", 16", 18", 20", 24", 30", 36" and special or bigger sizes upon request. Continuous flow, simplified maintenance, and worry-free operation characterize the Model 2596 across numerous industries.*

### Features / Benefits

- Flow rates up to 35,000 gpm
- 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 30" 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.

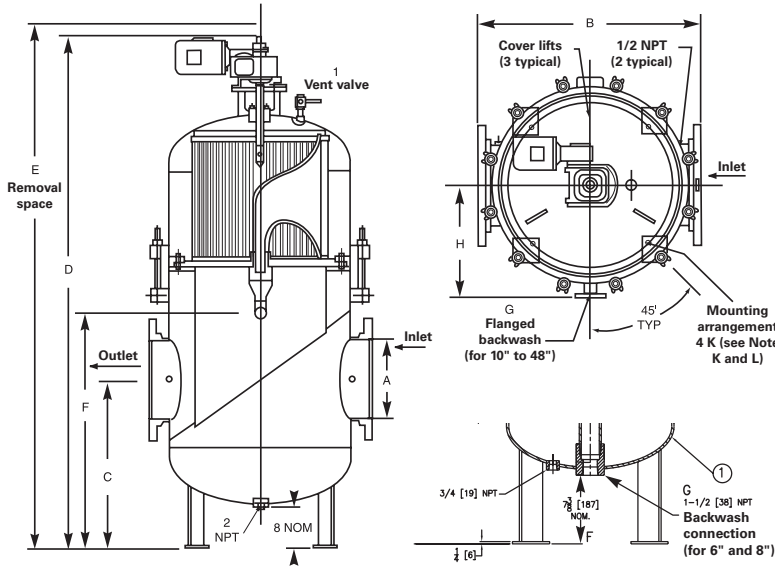
To simplify maintenance the Model 2596 features a unitized modular assembly. The motor, gear reducer, and the internal operating mechanism are housed within the strainer cover and lift off as a unit. This makes all components easily accessible and reduces associated maintenance costs.

MONEL® is a registered trademark of Special Metals Corporation group of Companies.



Powering Business Worldwide

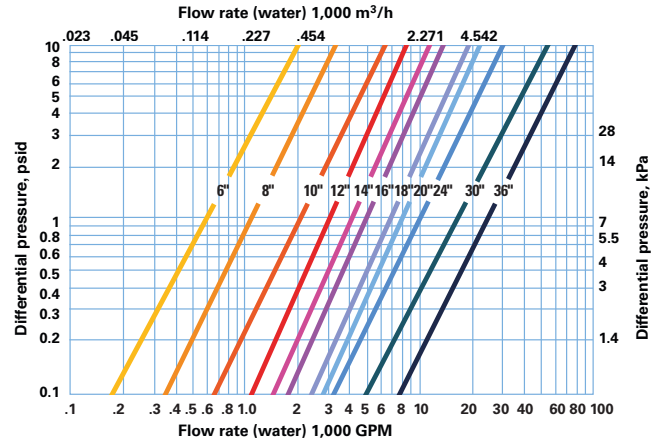
# Model 2596 6"–36" Fabricated Automatic Self-Cleaning Strainers



Note:  
 K=Diameter bolt hole (4) required 90° apart  
 L=Diameter bolt circle

Dimensions are for reference only. For installation purposes, request certified drawings.

## Model 2596 6"–36" Flow rates\*



\*Special or bigger sizes upon request.

Pressure drop data indicates results to be expected with clean water, under normal flows with standard screens and in clean strainer.

Approximate dimensions (in)											Approximate weight (lb)		
A	B	C	D	E	F	H	K	L	Dry	Wet	Cover		
6"	26	20	67	70	7 3/8	1 1/2"	-	-	770	1,060	265		
8"	26	20	67	70	7 3/8	1 1/2"	-	-	770	1,060	265		
10"	38	30	88	90	40	2	3/4	22 13/100	1,200	2,400	650		
12"	42	30	88	90	40	2	3/4	26 13/100	1,300	2,700	700		
14"	44	32	101	103	46	2	7/8	32 13/100	2,000	4,400	850		
16"	44	33	101	103	46	2	7/8	32 13/100	2,050	4,450	850		
18"	50	36	117	120	48	3	7/8	34 13/100	3,500	8,300	1,280		
20"	54	37	120	123	50	3	7/8	38 13/100	3,700	10,000	1,480		
24"	54	39	124	127	54	3	7/8	38 13/100	3,830	10,160	1,480		
30"	64	51	147	151	76	3	7/8	48 13/100	5,000	13,400	2,000		
36"	84	56	176	182	72	6	1 1/8	66	9,360	24,735	4,520		

Special and bigger sizes can be fabricated upon request.

\* NPT Backwash connection/outlet is located bottom-center

## Sizes 6" through 36"

### Application limits

Fabricated strainers are designed within the limits of the customer's specifications and design criteria along with any applicable code requirement, i.e. ASME Section VIII Div. 1.

### Model 2596 C<sub>v</sub> factors\*

Size	6"	8"	10"	12"	14"	16"	18"	20"	24"	30"
Value	580	1,150	2,050	3,050	4,150	5,100	6,900	8,100	10,100	16,900

\* For water with clean, perforated basket

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