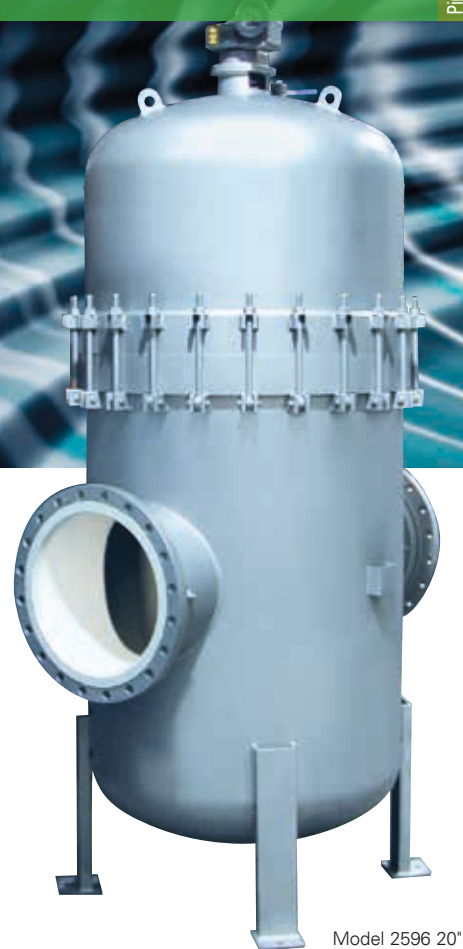


Model 2596

10"-60"

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.



Model 2596 20"

Features / benefits

- Flow rates up to 7,949 m³/h
- A broad selection of screen options
- Automatic backwashing
- 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
- "AD 2000-Merkblätter", DIN EN 13446 or ASME Code and approval according to PED 97/23/EU (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

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

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.

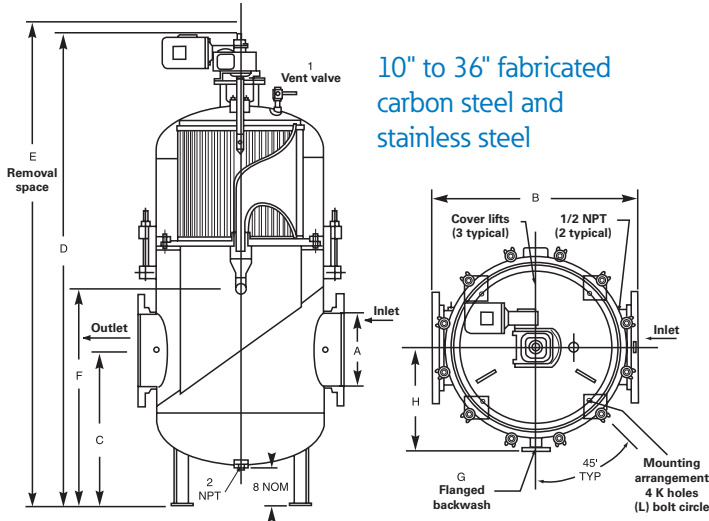
The Model 2596 features the idL shaft seal that positively prevents leakage from the backwash shaft at the top of the strainer. This unique quad seal keeps the exterior of the strainer dry and prevents external leakage or weeping of the process media down the sides of the strainer.

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.

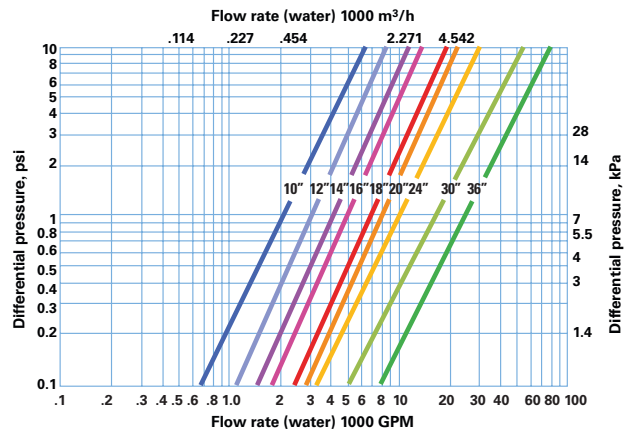


Powering Business Worldwide

Model 2596 10" to 60" Fabricated Automatic Self-cleaning Strainers



Model 2596 10" - 36" flow rates



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

Note:

K= Diameter bolt hole (4) required 90° apart

L= Diameter bolt circle

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

A	Approximate dimensions (in / mm)										Approximate weight (kg)		
	B	C	D	E	F	G	H	K	L	Dry	Wet	Cover	
10"	38 / 965	30 / 762	88 / 2235	90 / 2286	40 / 1016	2 / 50.8	16 / 406	3/4 / 19.05	22-13/100 / 562	544	1089	295	
12"	42 / 1067	30 / 762	88 / 2235	90 / 2286	40 / 1016	2 / 50.8	18 / 457	3/4 / 19.05	26-13/100 / 664	590	1225	318	
14"	44 / 1118	32 / 813	101 / 2565	103 / 2616	46 / 1168	2 / 50.8	22 / 559	7/8 / 22.23	32-13/100 / 816	907	1996	386	
16"	44 / 1118	33 / 838	101 / 2565	103 / 2616	46 / 1168	2 / 50.8	22 / 559	7/8 / 22.23	32-13/100 / 816	930	2019	386	
18"	50 / 1270	36 / 914	117 / 2972	120 / 3048	48 / 1219	3 / 76.2	23 / 584	7/8 / 22.23	34-13/100 / 867	1588	3765	581	
20"	54 / 1372	37 / 940	120 / 3048	123 / 3124	50 / 1270	3 / 76.2	25 / 635	7/8 / 22.23	38-13/100 / 969	1678	4536	671	
24"	54 / 1372	39 / 991	124 / 3150	127 / 3226	54 / 1372	3 / 76.2	25 / 635	7/8 / 22.23	38-13/100 / 969	1737	4609	671	
30"	64 / 1626	51 / 1295	147 / 3734	151 / 3835	76 / 1930	3 / 76.2	30 / 762	7/8 / 22.23	48-13/100 / 1223	2268	6078	907	
36"	84 / 2134	56 / 1422	176 / 4470	182 / 4623	72 / 1829	6 / 152.4	37 / 940	1-1/8 / 28.58	66 / 1676	4246	11220	2050	

48" and 60" can be fabricated upon request, consult Eaton.

Sizes 10" to 60"

Application limits

- Fabricated strainers are designed within the limits of the customer's specifications and design criteria along with any applicable code requirement, e.g. "AD 2000-Merkblätter", DIN EN 13446 or ASME Code.

Specific descriptions and construction details illustrated may vary slightly from equipment furnished. Eaton reserves the right to revise or discontinue equipment or design features without notice. Eaton recommends that you review performance and application data with us prior to final design.

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