

Automatic Self-cleaning Strainers

Model 2596 10"-16"



Pipeline
Strainer



Cast
Construction



Permanent
Media



Model 2596 10"

Eaton's Model 2596 automatic self-cleaning cast pipeline strainers are available in 10", 12", 14" and 16" sizes. The Model 2596 is recognized across industries for its continuous flow, simplified maintenance and worry-free operation.

Features / benefits

- Flow rates up to 6,500 gpm (1,476 m³/h)
- A broad selection of screen options
- Automatic backwashing
- Exclusive idL™ seal for leak free service
- Unitized modular assembly for easy maintenance
- Cast ductile iron construction

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.

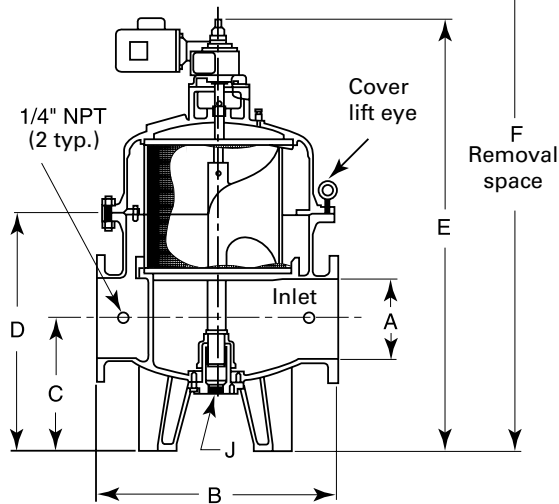
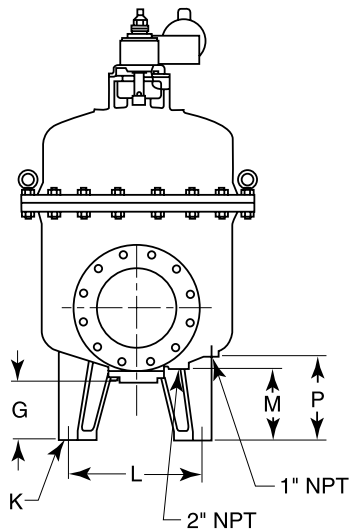
The Model 2596 features the idL shaft seal that positively prevents leakage from the backwash shaft at the top of the strainer. This unique quad seal keeps the exterior of the strainer dry and prevents external leakage or weeping of the process media down the sides of the strainer.

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

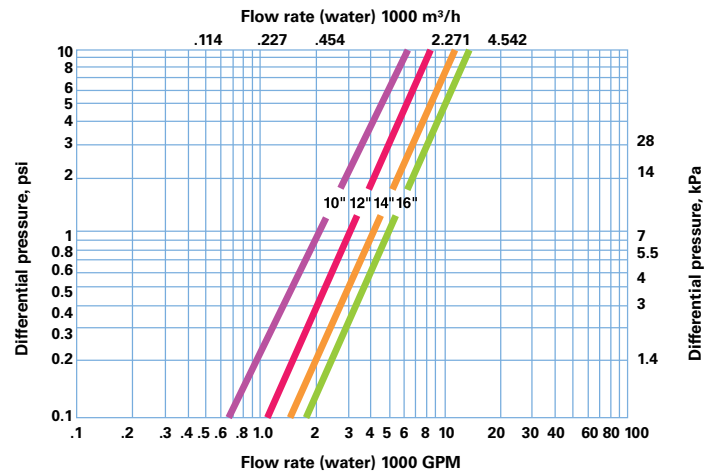


Powering Business Worldwide

Model 2596 10" to 16" Automatic Self-cleaning Strainers



Model 2596 10" - 16" flow rates



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

Application limits

- Ductile iron class 125 flange (-20 to 150 °F/-29 to 65 °C): 150 psi (10.3 bar)

Application limit 16" size

- Ductile iron class 125 flange (-20 to 150 °F/-29 to 65 °C): 150 psi (10.3 bar)
Based on ASME Code. Lower pressure ratings at higher temperatures

Approximate dimensions (in/mm)											Approximate weight (lb/kg)			
A	B	C	D	E	F	G	J	K	M	P	L	Dry	Wet	Cover
10"	38-1/4 / 972	19-3/4 / 502	35-3/4 / 908	64-3/4 / 1645	90 / 2286	8-9/16 / 217	2 / 51	7/8 / 22	10-11/16 / 271	12-1/2 / 318	24-1/2 / 622	1840 / 835	2615 / 1186	705 / 320
12"	36-1/4 / 921	19-3/4 / 502	35-3/4 / 908	64-3/4 / 1645	90 / 2286	8-9/16 / 217	2 / 51	7/8 / 22	10-11/16 / 271	12-1/2 / 318	24-1/2 / 622	1880 / 853	2675 / 1213	705 / 320
14"	44 / 1118	22-1/16 / 560	42-5/16 / 1075	76-1/2 / 1943	112 / 2845	8-9/16 / 217	2 / 51	7/8 / 22	10-7/8 / 276	13-1/2 / 343	29-5/8 / 752	2810 / 1275	4360 / 1978	1050 / 476
16"	44 / 1118	22-1/2 / 571	42-5/16 / 1075	76-1/2 / 1943	112 / 2845	8-9/16 / 217	2 / 51	7/8 / 22	10 / 276	13-1/2 / 343	29-5/8 / 752	2850 / 1293	4400 / 1996	1050 / 476

North America
44 Apple Street
Tinton Falls, NJ 07724
Toll Free: 800 656-3344
(North America only)
Tel: +1 732 212-4700

Europe/Africa/Middle East
Auf der Heide 2
53947 Nettersheim, Germany
Tel: +49 2486 809-0

Internormen Product Line
Friedensstraße 41
68804 Altludersheim, Germany
Tel: +49 6205 2094-0

Begerow Product Line
An den Nahewiesen 24
55450 Langenlonsheim, Germany
Tel: +49 6704 204-0

China
No. 3, Lane 280,
Linhong Road
Changning District, 200335
Shanghai, P.R. China
Tel: +86 21 5200-0099

Singapore
4 Loyang Lane #04-01/02
Singapore 508914
Tel: +65 6825-1668

Brazil
Av. Julia Gaioli, 474 – Bonsucesso
07251-500 – Guarulhos, Brazil
Tel: +55 11 2465-8822

**For more information, please
email us at filtration@eaton.com
or visit www.eaton.com/filtration**

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