

Equeron Drive™ 100 automatic screen filter



Introducing our technology-leading self-cleaning screen filters: Equeron Equilibrium Drive Filtration™. The hydraulically balanced Equilibrium Drive™ system rotates the suction nozzles across the screen in both directions without resistance. The mechanism does not require an electric motor or hydraulic piston.

The Equeron Equilibrium Drive™ mechanism results in:

- No electric motors
- No hydraulic pistons
- Low energy requirements.
- Low pressure loss.
- Low flush flow rates.
- Leak-free operation.
- Low maintenance requirements.
- No external moving parts.
- Minimal number of parts.
- Low spare parts requirements.
- Simple controls
- Integrated lid davit

The Equilibrium Drive™ 15 second screen cleaning cycle is automatically initiated when a pressure differential across the screen increases to a preset threshold (commonly 0.5 bar/7psi). The filtration process remains uninterrupted during the cleaning cycle.

Equeron Equilibrium Drive™ filters are available in several different configurations for different application requirements.

For more information, contact Equeron Automatic Filtration: info@equeron.com

Equeron Automatic Filtration LLC
5270 Marshall Street
Arvada, Colorado 80002 USA

+1 720 273 7349

www.equeron.com



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Equeron Equilibrium Drive™ Series Specifications:

Construction Materials

Filter body - full dip passivated 304 stainless steel

Screens - 316L stainless steel

Flanges - 4 or 6 inch AWWA Class D*

Seals - nitrile, Buna-N*

Plastic - acetal, 30% GF acetal

*Other options are available on request

Performance Parameters

Filtration Range - 10 to 1500 micron

Flow Range - 8 to 216 m³/hr - (34 to 950 gpm)

Max Pressure - 10.7 bar (150 psi)

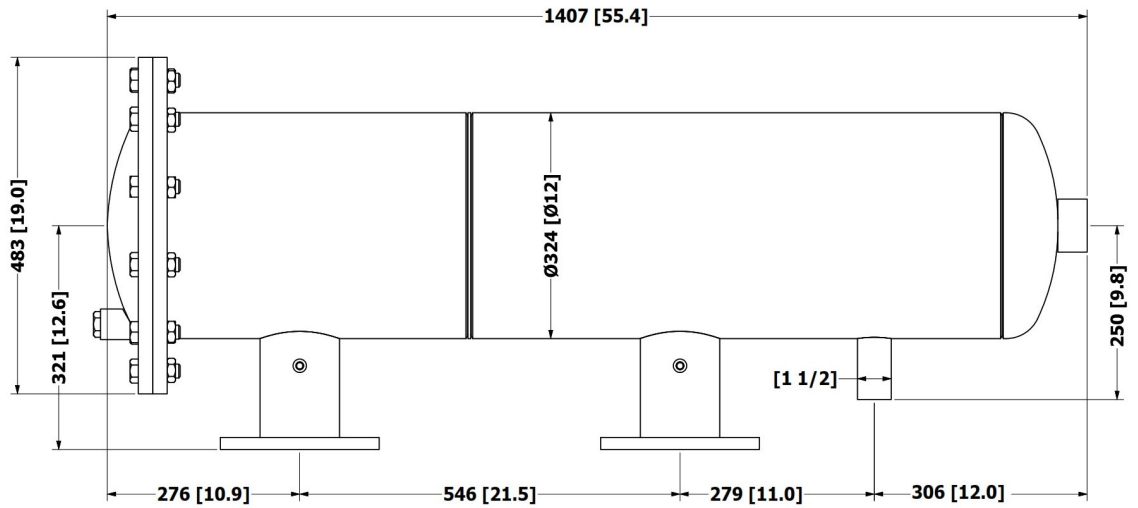
Min Pressure - 2.0 bar (29 psi)*

Max Temp - 80°C (176°F)

Flush Cycle - 15 seconds

Max flow rate shown depends on micron requirement.

Model 100



Dimensions in mm
[Dimensions in inches]

Model	Flush	Inlet Outlet	Screen Area		Nominal Flow Rates								Flush Volume		No of Nozzles
					100 mic		200 mic		300 mic		500 mic		15 Sec Flush		
	NPT	AWWAD	cm ²	in ²	m ² /hr	gpm	m ² /hr	gpm	m ² /hr	gpm	m ² /hr	gpm	liters	gallons	
100	1.5"	4/6"	2700	418	104	460	152	669	171	752	190	836	33	9	2

Nominal flow rates shown are maximum flow rates for the micron shown with well water. These maximum flows may be reduced based on the quality of water being filtered. Flush flow volumes shown are volumes discharged during a 15 second flush duration.

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