



OMEGA Series

Multi-screen
Self-cleaning Filter

MASTERS OF FILTRATION



Any Crop



Anywhere



Any Water Source



Any Technology

Farming is our heritage.
Filtration is our legacy.

At Amiad, our roots are in the land. As farmers, we learned at firsthand what our crops need to thrive. We understand that every water source is different, and how water quality can greatly affect crop yield.

The filter is the first vital link in the irrigation chain. It's there to protect irrigation systems from damage, while delivering the best quality water.

We develop filters that are able to cope with any water quality, in any geographical location.

We've spent years mastering filtration technology so we can offer a wide range of filters for every farmer's needs including screen, disc or media technology. Our fully automated filtration systems save time, manpower and costs.

We consider every challenge as an opportunity to work side by side with our customers to solve their problems. We'll go anywhere to ensure our filters perform as expected, 24/7, every day of the year.

When you want a high performance filter for your irrigation system, consult with Amiad. We focus on doing what we do best.

Amiad. Masters of Filtration.



Disc Technology



Screen Technology



Media Technology

OMEGA FEATURES



Multi-screen design.
Small diameter - high strength



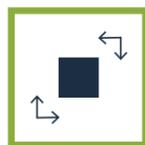
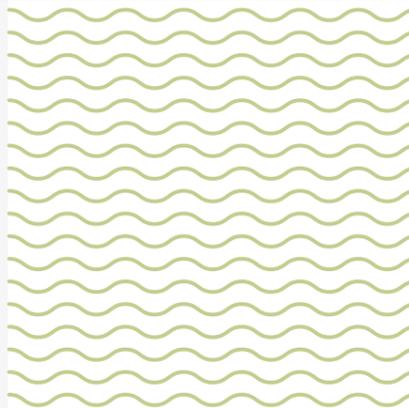
Single drive motor



Stainless steel 316L
construction –
noncorrosive



SLN nozzle system –
high efficiency cleaning



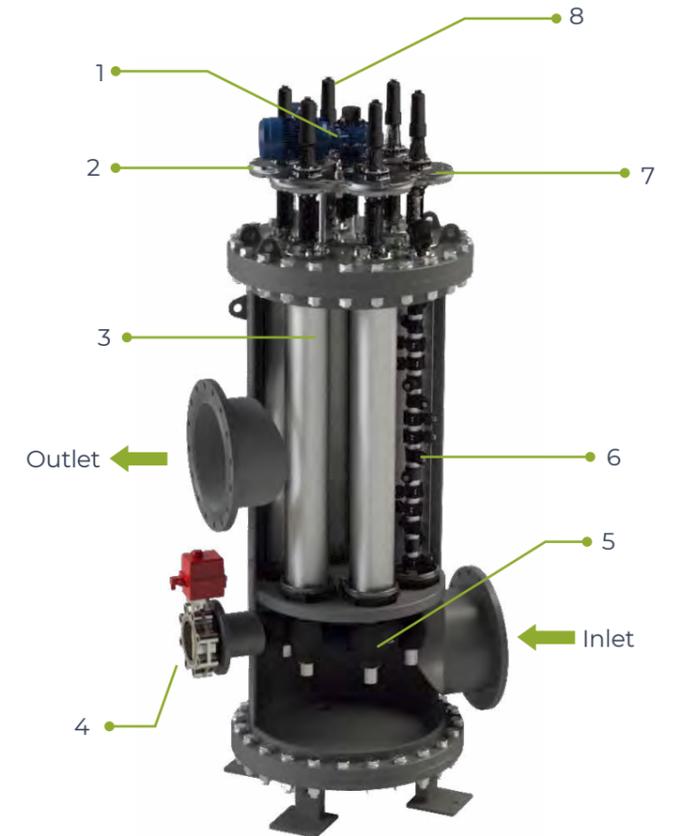
Compact footprint



Large filtration area
and high flow rates

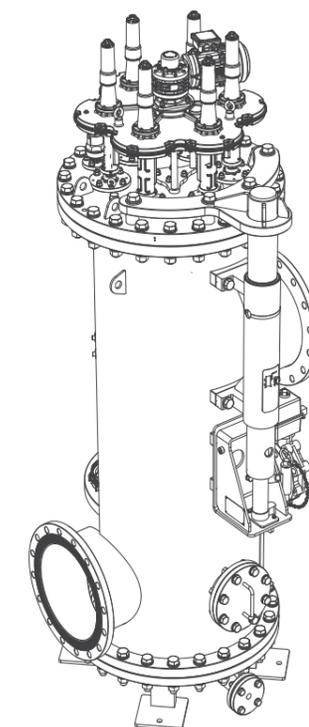
Omega Parts

1. Drive-unit
2. Transmission plate
3. 4-layers screens
4. Flush valve
5. Flush chamber
6. SLN Suction scanner
7. Static transmission
8. Dust sealing



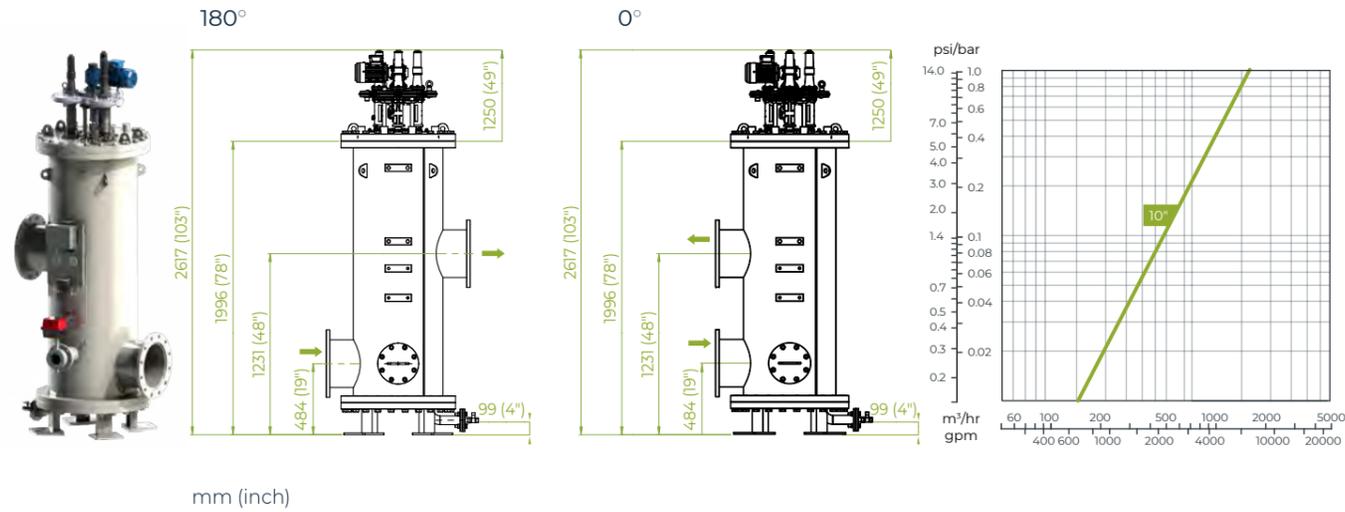
OPTIONAL DAVIT ARM LIFT

Models are available with a specifically-designed manual davit arm lift for easy vessel lid removal (Must be specified in order)



OMEGA Models

OMEGA 18K



Head Loss Graph
(in clean water)

Technical Specifications

Filter Model	Omega 18K	Omega 36K
General data		
Max. flow rate*	750 m³/h (3,300 gpm)	1,500 m³/h (6,600 gpm)
Min. operating pressure during cleaning	2 bar (30 psi)	
Max. operating pressure	10 bar (150 psi) 16 bar (240 psi) upon request	
Max. operating temperature	60°C	
Filtration area	18,000 cm² (2,800 in²)	36,000 cm² (5,600 in²)
Inlet/Outlet diameter	DN250 (10")	DN400 (16")
Weight	1,047 kg (2,308 lb)	1,400 kg (3,086 lb)
Operational weight	1,537 kg (3,388 lb)	2,320 kg (5,115 lb)

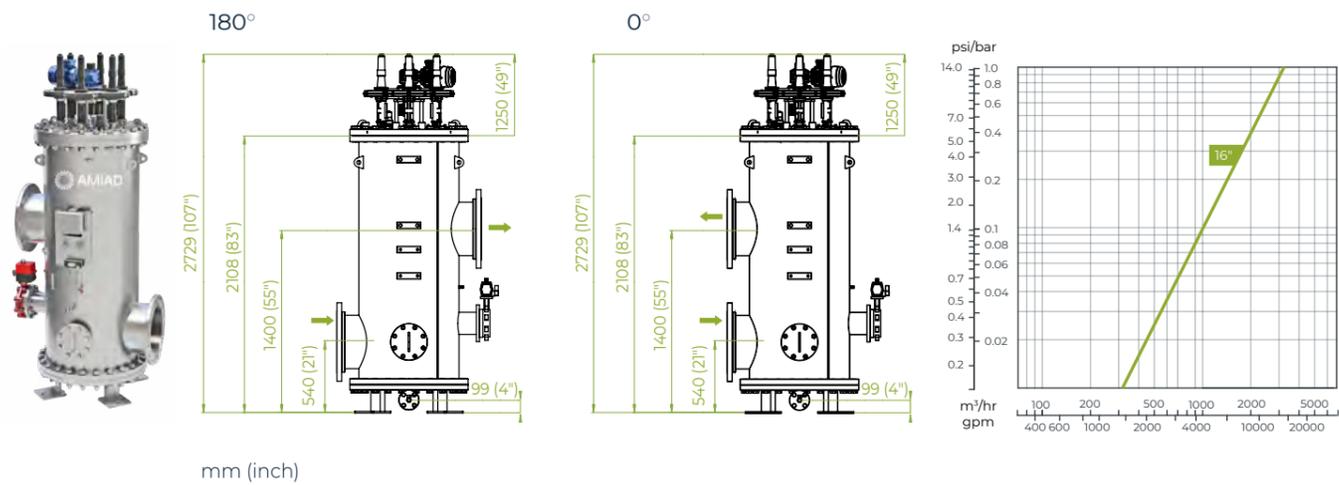
* Consult Amiad for optimum flow depending on filtration degree and water quality.

Electronic control *

Electric motor	0.55 kW/0.73 HP	0.75 kW/1.0 HP
Rated operation voltage	3 - phase, 230/400/460 VAC 50/60 HZ	
Current consumption	1.4 A	1.9 A
Control voltage	24 VDC (24 AC and other voltages upon request)	

* Control board is available upon request.

OMEGA 36K



Head Loss Graph
(in clean water)

Flushing Data

Exhaust valve	DN80 (3")	DN150 (6")
Flushing time	15 - 25 seconds	
Reject water volume per flush cycle	270 liter (72 gallon)	550 liter (145 gallon)
Min. flow for flushing	40 m³/h (176 gpm)	80 m³/h (352 gpm)

Construction materials

Filter housing and lid	Stainless steel 316L	
Screens	Multi-layer reinforced stainless steel 316L weavewire	
Cleaning mechanism	Stainless steel 316L and polymeric materials	
Exhaust valve	Cast iron rubber lined	
Seals	NBR/EPDM	
Control command tubing	Stainless steel and polymeric	



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 **amiad**® IRRIGATION

MASTERS OF FILTRATION

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