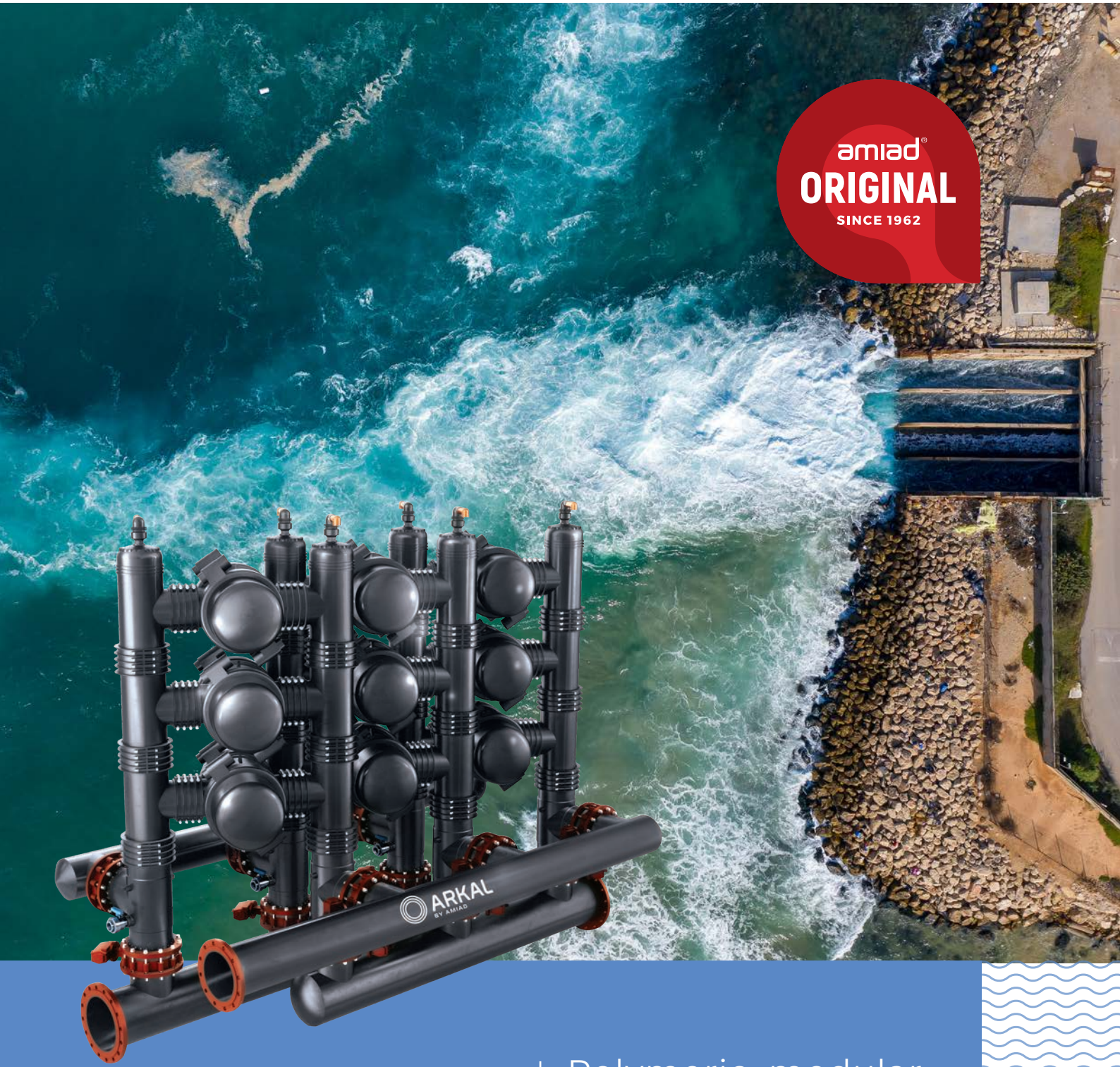
amiad® INDUSTRY



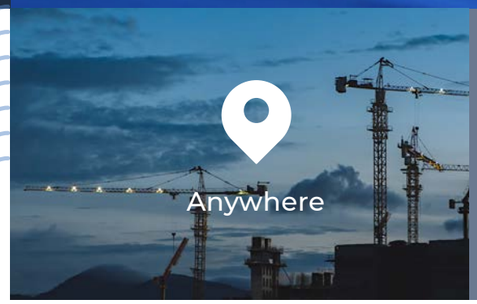
SUPER GALAXY

Polymeric, modular self cleaning disc filter

amiad® WATER SYSTEMS

MASTERS OF FILTRATION

MASTERS OF FILTRATION



Anywhere

Any Challenge

Any Technology

Any Water Source

Your water challenge. Our filtration solution.

Amiad Water Systems is a world leader in water treatment and filtration solutions. For over 57 years Amiad has devoted its passion and commitment to developing a comprehensive line of water filtration systems for a wide range of industrial applications.

Our solutions are integrated into the core of water filtration systems in the following industries and applications: metal, plastic, energy, chemical, water treatment and salt water disposal.

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 industrial need, including screen, disc, microfiber or media technology.

Disc Technology

Screen Technology

Media Technology

Microfiber Technology

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 solution for your water filtration system, consult with Amiad. We focus on doing what we do best.

Amiad. Masters of Filtration.

SUPER GALAXY
FEATURES

Modular design

Minimal maintenance

Reliable and durable

Micron-precise depth filtration of solids

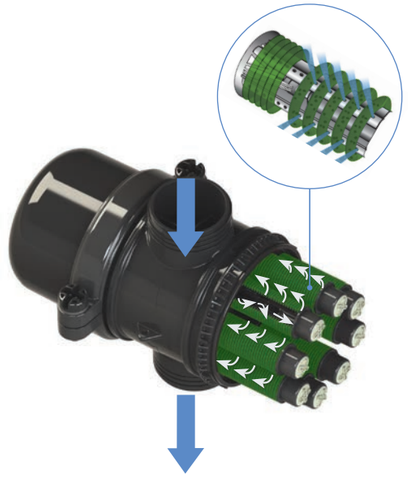
Automatic & self-cleaning

High flow rate

Super Galaxy

Super Galaxy Parts

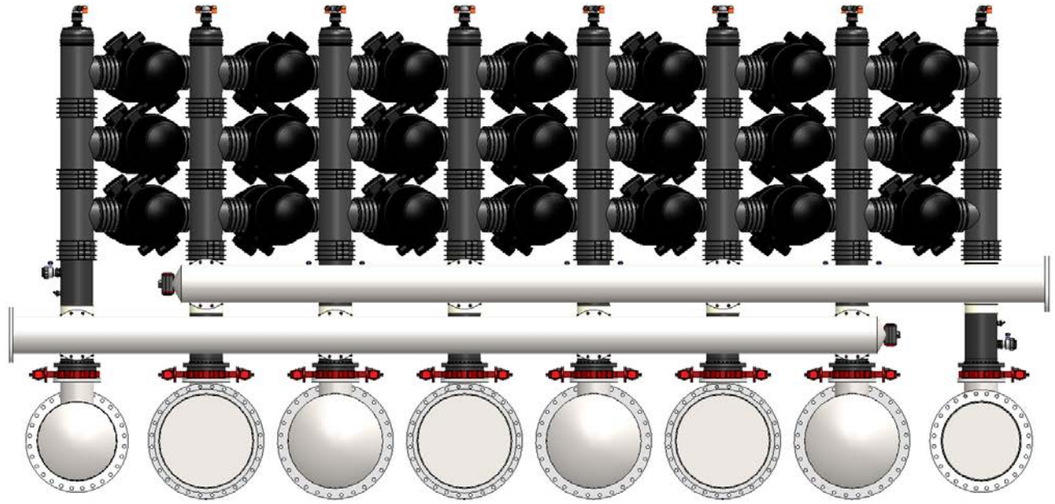
Filtration mode

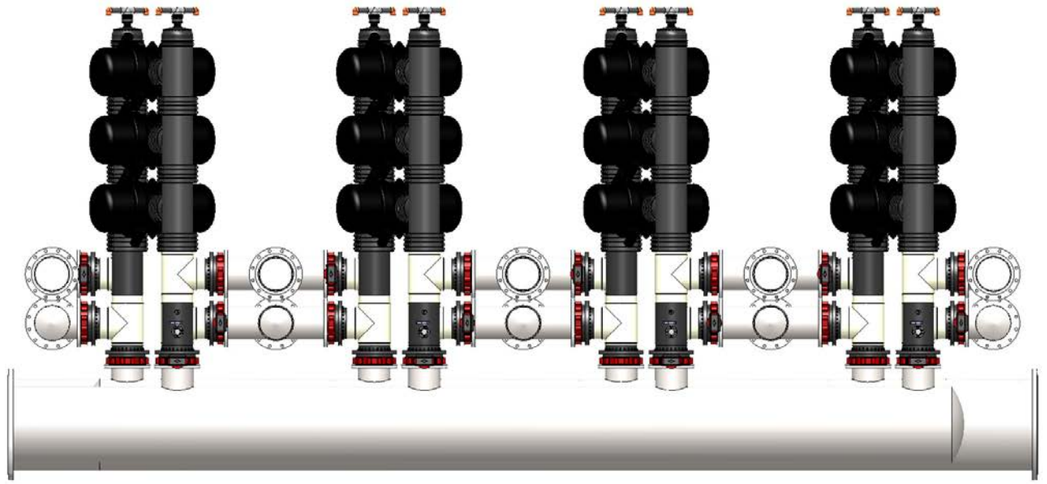


Backwash mode

Scan to watch the Super Galaxy Operation Video

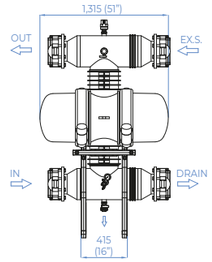
Typical Installation - Vertical 3 module unit



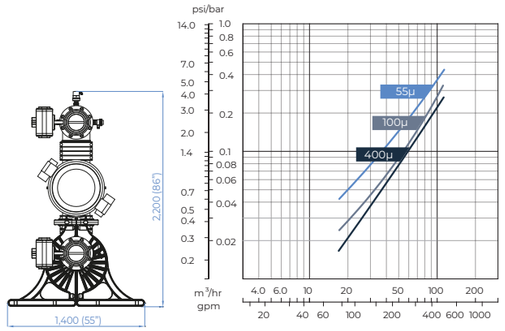


Super Galaxy **Horizontal Modules**

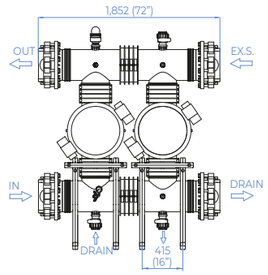
1 MODULE UNIT

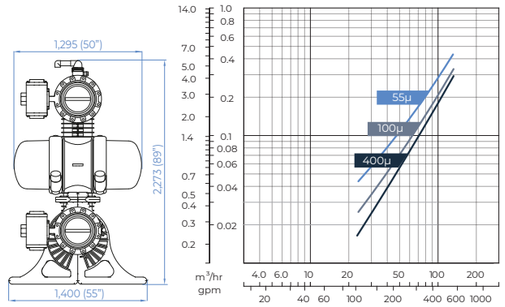


Head Loss Graph (in clean water)

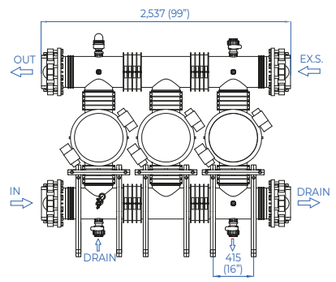


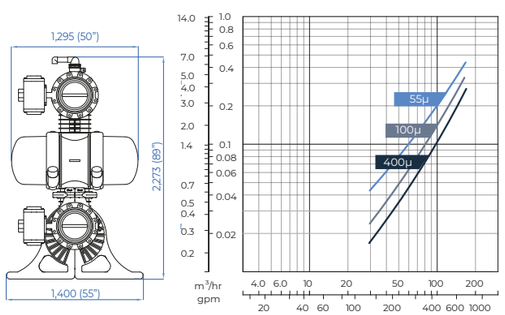
2 MODULE UNIT



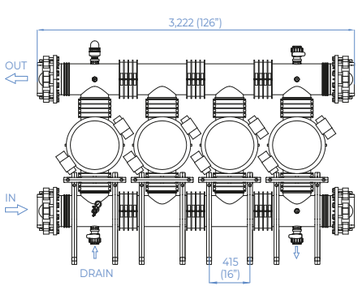


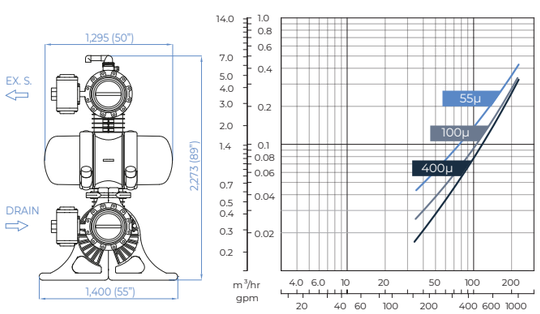
3 MODULE UNIT





4 MODULE UNIT





mm (inch)

*Approx. length required for maintenance

Technical Specifications

Super Galaxy - Horizontal Modules

Filter Model		1 Module Unit*	2 Module Unit*	3 Module Unit*	4 Module Unit*
General data					
Max. operation pressure[1]		6 bar (90 psi)			
Max. water temperature[1]		60°C (150°F)			
Min. backwash pressure**		2.8 bar (36 psi)			
Max. recommended flow rate***	100µ	210 m³/h (925 gpm)	420 m³/h (1,850 gpm)	625 m³/h (2,750 gpm)	N/A
	55µ	160 m³/h (705 gpm)	320 m³/h (1,410 gpm)	480 m³/h (2,115 gpm)	640 m³/h (2,815 gpm)
	40µ	130 m³/h (565 gpm)	260 m³/h (1130 gpm)	385 m³/h (1,690 gpm)	510 m³/h (2,245 gpm)
	20µ	80 m³/h (350 gpm)	160 m³/h (700 gpm)	240 m³/h (1,060 gpm)	320 m³/h (1,410 gpm)
Filtration surface area		14,080 cm² (2,182 in²)	28,160 cm² (4,365 in²)	42,240 cm² (6,547 in²)	56,320 cm² (8,729 in²)
Filtration volume		12,368 cm³ (755 in³)	36,736 cm³ (2,245 in³)	55,104 cm³ (3,363 in³)	73,472 cm³ (4,483 in³)
Inlet/outlet diameter		200 mm (8")	315 mm (12")		
Weight (empty)		315 kg (695 lb)	690 kg (1,520 lb)	880 kg (1,940 lb)	1,065 kg (2,350 lb)

[1] Maximum operating pressure and temperature are interdependent parameters and are given for general reference only. Please consult your authorized Amiad representative for the application specific parameters.

[2] For higher flow rates at > 100µ larger manifold sizes and configurations are available. Consult your authorized Amiad representative.

* Minimum of 3 or 4 module units required for downstream flow during backwash – consult with your authorized Amiad representative.

** For >100µ - if inlet pressure is less than the stated minimal pressure, an external source or pressure aided backwash is required.
For finer micron degrees consult your authorized Amiad representative.

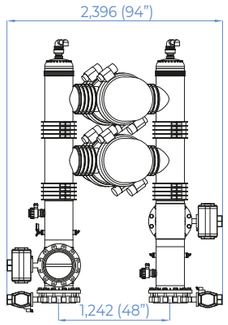
*** Maximum recommended flow rate is for average water quality. Flow may vary as water quality changes.

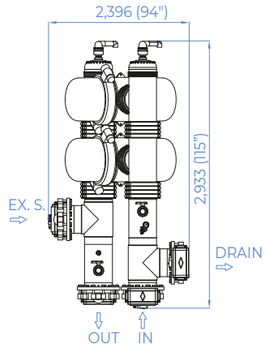
Backwash Data Per Module				
Valves (inlet/outlet & drain)	Butterfly valves 8"-12"			
Backwash cycle	15-20 sec			
Minimum flow for backwash	160 m³/h (705 gpm)	320 m³/h (1,410 gpm)	480 m³/h (2,115 gpm)	640 m³/h (2,815 gpm)
Backwash volume per backwash	667 liters (176 gallons)	1,334 liters (352 gallons)	2,001 liters (529 gallons)	2,667 liters (705 gallons)

Construction materials	
Filter housing	Polypropylene
Spine	RPA & RPP
Grooved disc	Polypropylene or Nylon
Inlet/outlet & drain valves	Body-ductile iron; Seat-EPDM; Disc-nylon 11 coated

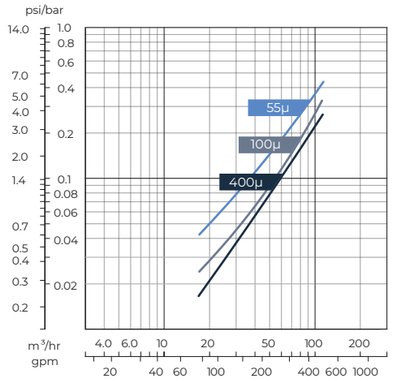
Super Galaxy **Vertical Modules**

2 Module UNIT

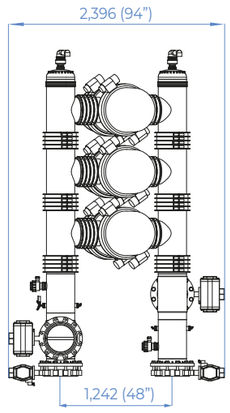


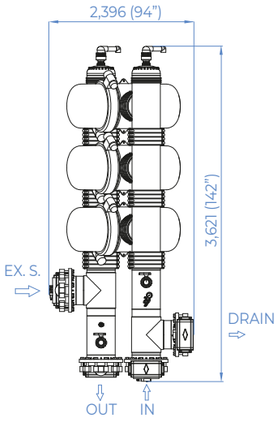


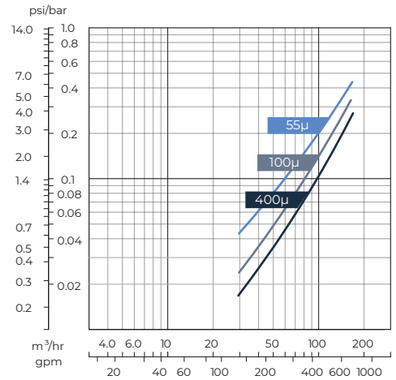
Head Loss Graph (in clean water)



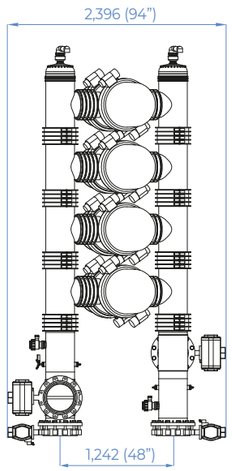
3 Module UNIT

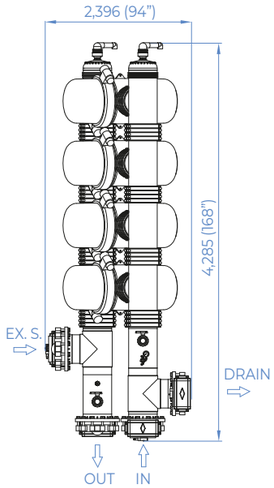


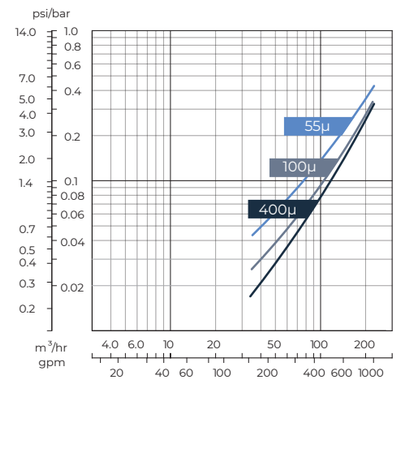




4 Module UNIT







mm (inch)

*Approx. length required for maintenance

Technical Specifications

Super Galaxy - Vertical Modules

Filter Model		2 Module Unit*	3 Module Unit*	4 Module Unit*
General data				
Max. operation pressure[1]		6 bar (90 psi)		
Max. water temperature[1]		60°C (150°F)		
Min. backwash pressure**		2.5 bar (36 psi)		
Max. recommended flow rate***	100µ	420 m³/h (1,850 gpm)	625 m³/h (2,750 gpm)	N/A
	55µ	320 m³/h (1,410 gpm)	480 m³/h (2,115 gpm)	640 m³/h (2,815 gpm)
	40µ	260 m³/h (1,130 gpm)	385 m³/h (1,690 gpm)	510 m³/h (2,245 gpm)
	20µ	160 m³/h (700 gpm)	240 m³/h (1,060 gpm)	320 m³/h (1,410 gpm)
Filtration surface area		28,160 cm² (4,365 in²)	42,240 cm² (6,547 in²)	56,320 cm² (8,729 in²)
Filtration volume		42,240 cm³ (2,578 in³)	63,360 cm³ (3,866 in³)	84,480 cm³ (5,155 in³)
Backwash flow rate		320 m³/h (1,410 gpm)	480 m³/h (2,115 gpm)	640 m³/h (2,815 gpm)
Inlet/outlet diameter		315 mm (12")		
Weight (empty)		740 kg (1,630 lb)	885 kg (1,950 lb)	1,030 kg (2,270 lb)

[1] Maximum operating pressure and temperature are interdependent parameters and are given for general reference only. Please consult your authorized Amiad representative for the application specific parameters.

[2] For higher flow rates at > 100µ larger manifold sizes and configurations are available. Consult your authorized Amiad representative.

* Minimum of 3 or 4 module units required for downstream flow during backwash – consult with your authorized Amiad representative.

** For >100µ - if inlet pressure is less than the stated minimal pressure, an external source or pressure aided backwash is required.
For finer micron degrees consult your authorized Amiad representative.

*** Maximum recommended flow rate is for average water quality. Flow may vary as water quality changes.

Backwash Data Per Module			
Valves (inlet/outlet & drain)	Butterfly valves 8"-12"		
Backwash cycle	15-20 sec		
Minimum flow for backwash	160 m³/h (705 gpm)	320 m³/h (1,410 gpm)	480 m³/h (2,115 gpm)
Backwash volume per backwash	667 liters (176 gallons)	1,334 liters (352 gallons)	2,001 liters (529 gallons)

Construction materials	
Filter housing	Polypropylene
Spine	RPA & RPP
Grooved disc	Polypropylene or Nylon
Inlet/outlet & drain valves	Body-ductile iron; Seat-EPDM; Disc-nylon 11 coated

Headquarters

Amiad Water Systems Ltd.

Web: www.amiad.com
E-mail: info@amiad.com

The Americas

USA
Amiad USA Inc.
Web: us.amiad.com | E-mail: infousa@amiad.com

Mexico
Amiad México SA DE CV,
Web: es.amiad.com | E-mail: infomexico@amiad.com

Asia

India
Amiad Filtration India Pvt Limited
Web: amiad.com | E-mail: info-india@amiad.com

China
Amiad China (Yixing Taixing Environtec Co., Ltd.)
Web: cn.amiad.com | E-mail: infochina@amiad.com

South-East Asia
Filtration & Control Systems Pte. Ltd.
Web: amiad.com | E-mail: info-singapore@amiad.com

Australia

Amiad Australia Pty Ltd.
Web: au.amiad.com | E-mail: sales@amiad.com

Europe

Amiad Water Systems Europe SAS
Web: amiad.com | E-mail: industry-europe@amiad.com

German branch office
Web: de.amiad.com | E-mail: industry-de@amiad.com

United Kingdom
Amiad Water Systems UK Limited
Web: amiad.com | E-mail: info-uk@amiad.com

amiad® INDUSTRY

MASTERS OF FILTRATION

www.amiad.com

910101-001197/12.2021