

amiad[®]
ORIGINAL
SINCE 1962



AGFPRO

Advanced corrosion-proof
all polymeric media filter

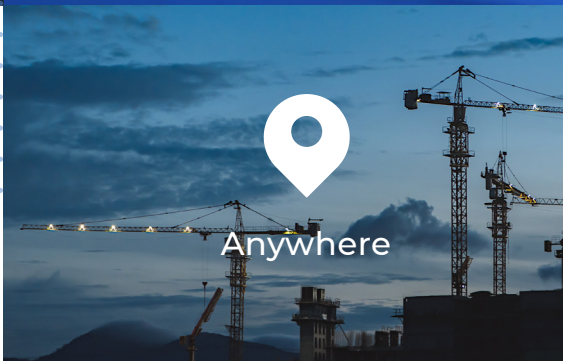
MASTERS ^{OF} FILTRATION



Any Technology



Anywhere



Any Challenge



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.

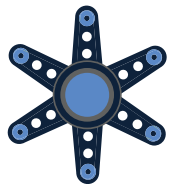
We'll go anywhere to ensure our filters perform as expected, 24/7, every day of the year.

When you want a high-performance solution for your water filtration system, consult with Amiad. We focus on doing what we do best.

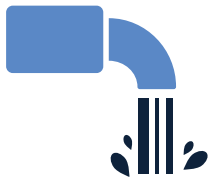
Amiad. Masters of Filtration.

AGFPRO: Strong and Reliable.

AGFPRO
FEATURES



Superior underdrain system designed with 55 diffuser nozzles



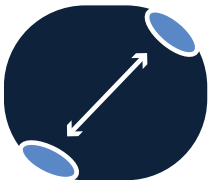
Effective and economic backwash



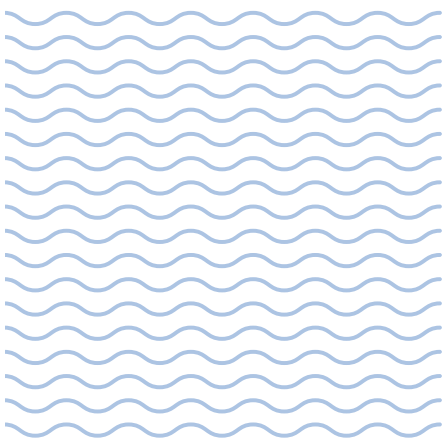
Light weight for easy installation, no crane required



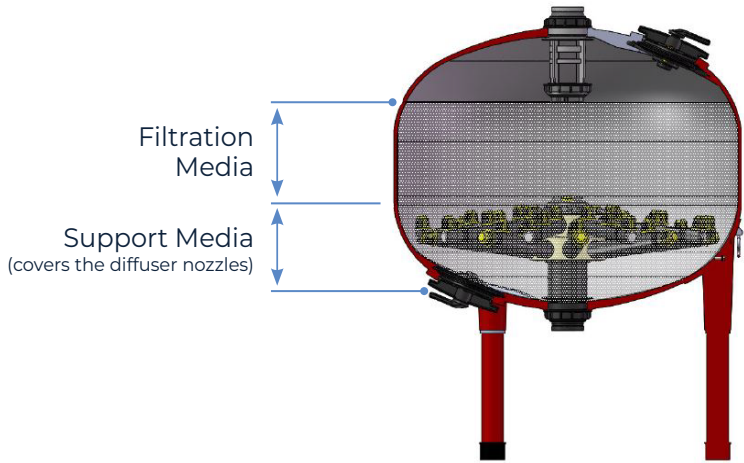
Constructed with special synthetic materials



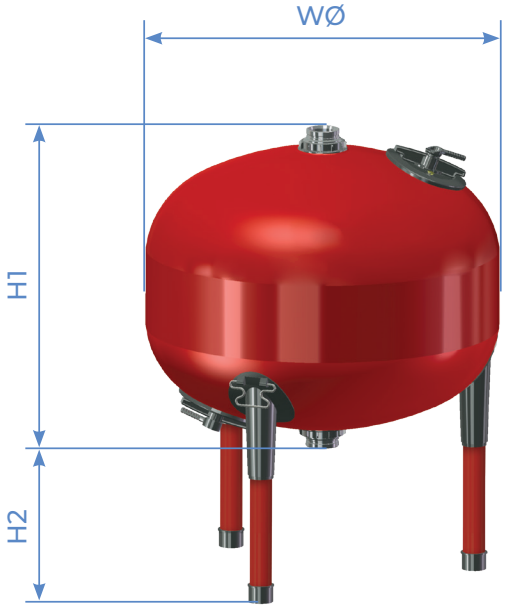
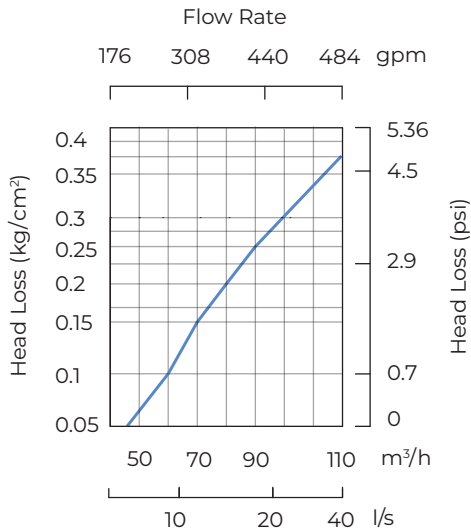
Two large elliptical access ports for easy inspection and media loading



Corrosion-proof and high chemical resistance



AGF PRO Filter 48" Head Loss



Technical Data

Maximum pressure	6 bar (85 psi)
Minimum pressure during filtration mode	1.4 bar (20 psi)
Minimum pressure on the downstream side during backwash mode	2 bar (29 psi)
Maximum filtration flow* (single filter)	80 m³/h (352 gpm)
Diameter inlet/outlet (single filter)	102 mm (4" grooved)
Filter tank diameter - WØ	1,220 mm (48")
Distance between end connections - H1	1,110 mm (44")
Outlet height - H2	443 mm (17")
Weight [empty]	132 kg (290 lb)
Approx. media weight	732 kg (1610 lb)

*Depending on type of media used

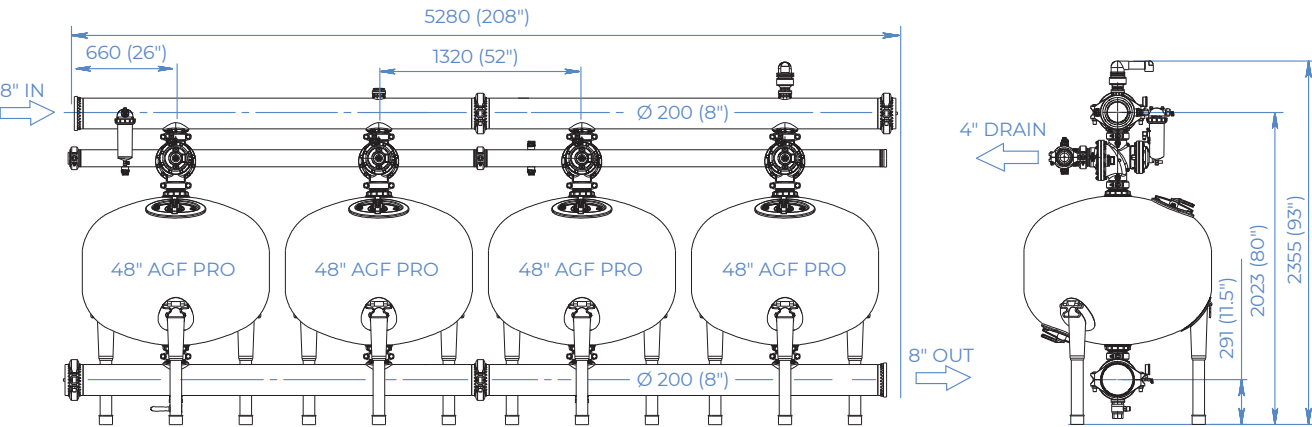
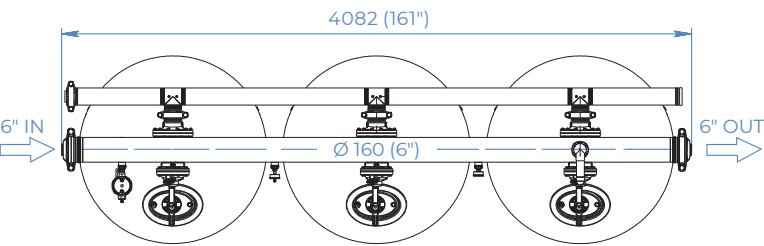
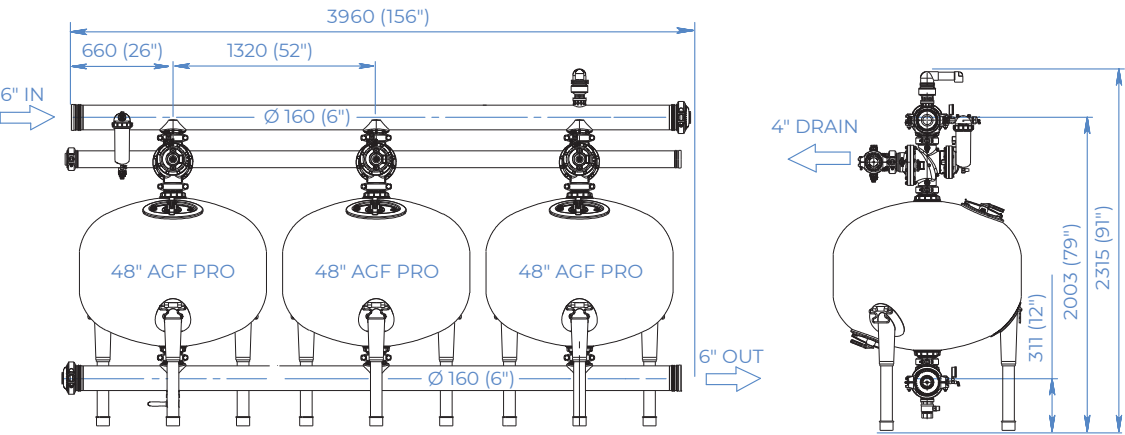
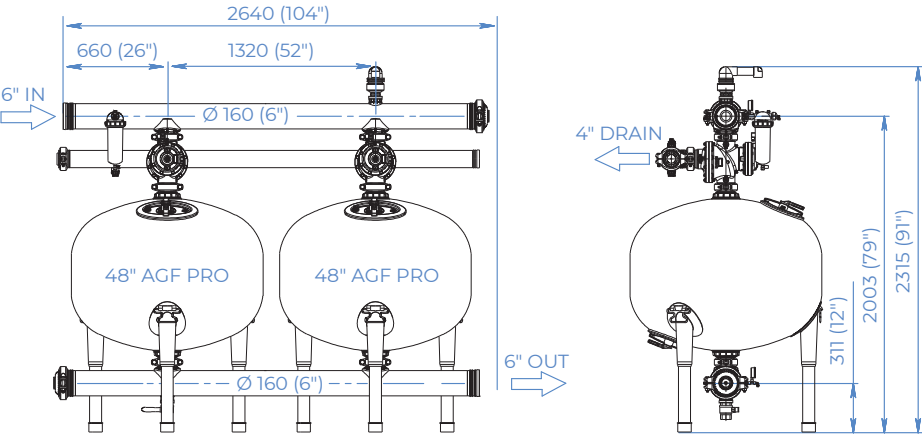
Filtration Media Data

Media type	Mean effective media size	Filtration Rates**	Min. flow for backwash
Quarz 0*	0.5-0.8 mm (0.019"-0.031")	8-17m³/h (35-75 gpm)	42 m³/h (185 gpm)
Quarz 1*	0.8-1.2 mm (0.031"-0.047")	10-25 m³/h (44-110 gpm)	42 m³/h (185 gpm)
PEP active 0*	0.25-0.5 mm (0.0098"-0.019")	-	40 m³/h (176 gpm)
PEP active 1*	0.4-1.0 mm (0.015"-0.039")	10-20 m³/h (44-88 gpm)	40 m³/h (176 gpm)
Quarz 2	1.2-2.0 mm (0.047"-0.078")	50-80 m³/h (220-352 gpm)	46 m³/h (202 gpm)
Basalt 1	1.0-2.5 mm (0.039"-0.098")	50-80 m³/h (220-352 gpm)	54 m³/h (238 gpm)
Basalt 2	1.7-3.5 mm (0.067"-0.138")	-	54 m³/h (238 gpm)
Crushed silica 12	1.1-1.2 mm (0.043"-0.047")	50-80 m³/h (220-352 gpm)	54 m³/h (238 gpm)
Crushed silica 16*	0.6-0.7 mm (0.023"-0.275")	8-17 m³/h (35-75 gpm)	46 m³/h (202 gpm)
Crushed silica 20*	0.45-0.5 mm (0.017"-0.019")	-	42 m³/h (185 gpm)

*Requires Quartz 2 as a support layer

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

Dimensions and technical specifications



mm (inch)

AGF PRO Battery

No. of filters	2	3	4	5	6
Distance between filter connections	1,320 mm (52")				
Distance between inlet manifold and filter #1	660 mm (26")				
Backwash pipe diameter	110 mm (4")				
Backwash valve outlet	4" grooved x 4" grooved				
Backwash center height	1,660 mm (65")				
Inlet center height	2,003 mm (78.84")	2,023 mm (79.62")	Depends on configuration		
Outlet manifold center height	310 mm (12.22")	291 mm (11.44")	Depends on configuration		
Length	2,639 mm (103.9")	3,960 mm (155.9")	5,280 mm (207.8")	Depends on configuration	

Flow Rates and Media Requirements

No. of Filter Tanks	Maximum Flow			Media Requirements	
	Clean Water	Average Water	Dirty Water	Support media	Filtration Media
1 (inline)	65-80 m³/h (286-352 gpm)	50-65 m³/h (220-286 gpm)	40-50 m³/h (176-220 gpm)	0.15 m³ (5 ft³)	0.4 m³ (14 ft³)
2 (inline)	130-160 m³/h (572-700 gpm)	100-130 m³/h (440-572 gpm)	80-100 m³/h (352-440 gpm)	0.30 m³ (11 ft³)	0.8 m³ (28 ft³)
3 (inline)	195-240 m³/h (859-1,057 gpm)	150-195 m³/h (660-859 gpm)	120-150 m³/h (528-660 gpm)	0.45 m³ (16 ft³)	1.2 m³ (42 ft³)
4 (inline)	260-320 m³/h (1,145-1,409 gpm)	200-260 m³/h (880-1,145 gpm)	160-200 m³/h (704-880 gpm)	0.60 m³ (21 ft³)	1.6 m³ (46 ft³)
5	325-400 m³/hr (1,431-1,761 gpm)	250-325 m³/h (1,101-1,431 gpm)	200-250 m³/h (880-1,101 gpm)	0.75 m³ (26 ft³)	2.0 m³ (71 ft³)
6	390-480 m³/h (1,717-2,113 gpm)	300-390 m³/h (1,321-1,717 gpm)	240-300 m³/h (1,057-1,321 gpm)	0.90 m³ (31.8 ft³)	2.4 m³ (85 ft³)
7	455-560 m³/h (2,003-2,466 gpm)	350-455 m³/h (1,541-2,003 gpm)	280-350 m³/h (1,233-1,541 gpm)	1.05 m³ (37 ft³)	2.8 m³ (99 ft³)
8	520-640 m³/h (2,289-2,818 gpm)	400-520 m³/h (1,761-2,289 gpm)	320-400 m³/h (1,409-1,761 gpm)	1.20 m³ (42 ft³)	3.2 m³ (113 ft³)
9	585-720 m³/h (2,576-3,170 gpm)	450-585 m³/h (1,981-2,576 gpm)	360-450 m³/h (1,585-1,981 gpm)	1.35 m³ (47.7 ft³)	3.6 m³ (127 ft³)
10	650-800 m³/h (2,862-3,522 gpm)	500-650 m³/h (2,201-2,862 gpm)	400-500 m³/h (1,761-2,201 gpm)	1.50 m³ (53.0 ft³)	4.0 m³ (141 ft³)
12	780-960 m³/h (3,434-4,227 gpm)	600-780 m³/h (2,642-3,434 gpm)	440-550 m³/h (1,937-2,422 gpm)	1.65 m³ (58 ft³)	4.4 m³ (155 ft³)



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MASTERS OF FILTRATION

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