

AMF

Microfiber filter for fine filtration
20-1 micron

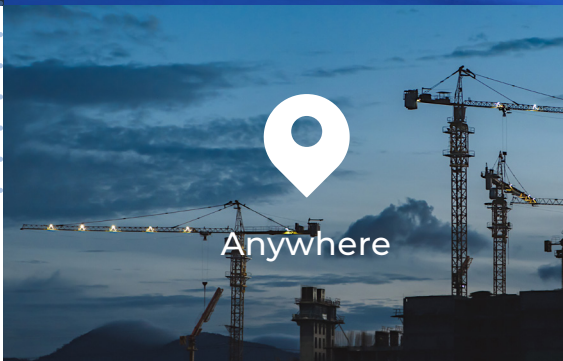
MASTERS OF FILTRATION



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.

AMF: Efficient fine filtration

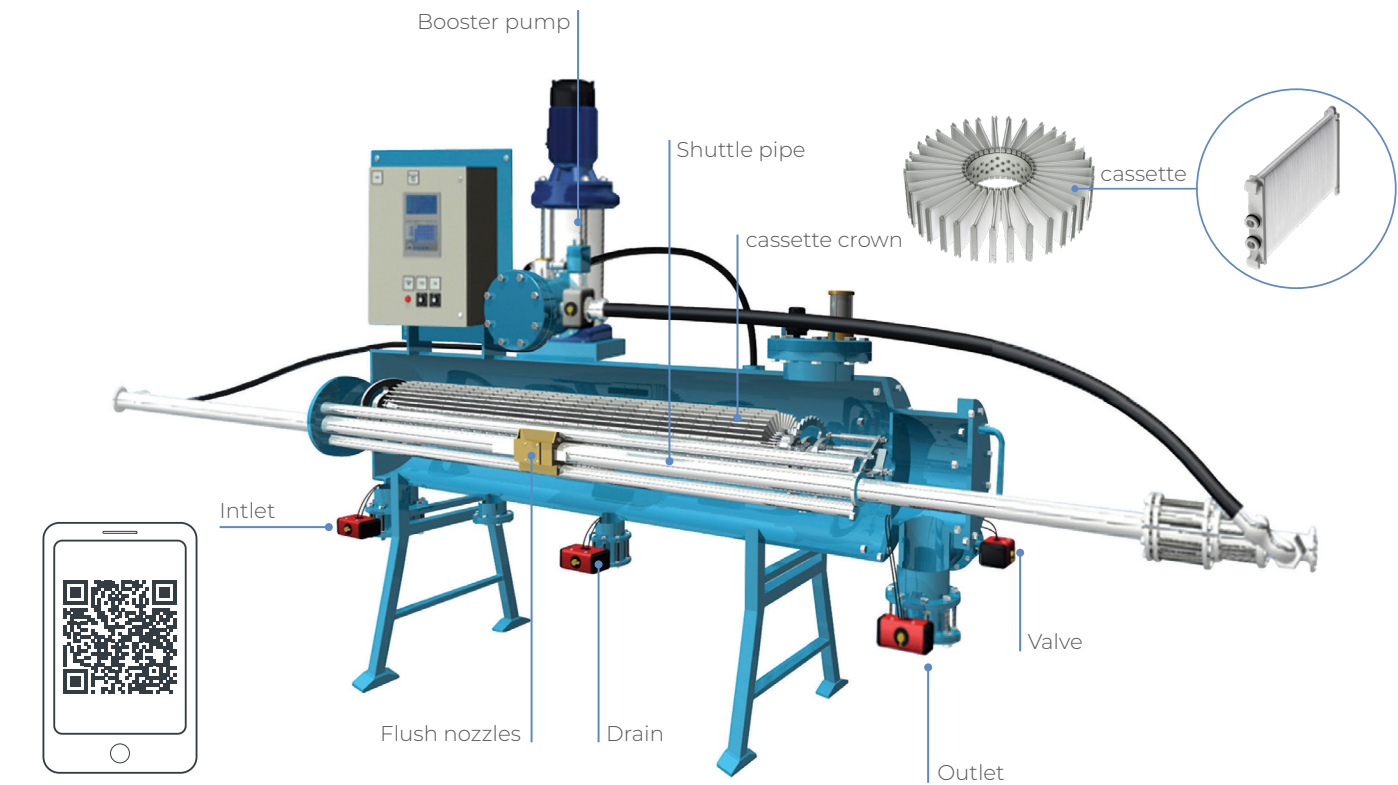
AMF
FEATURES

Filtration degrees of 20 to 1 micron

NF/RO protection

NSF 61-G approved

AMF Parts



Scan to watch the AMF Operation Video

Technical Specifications

Filter Model	AMF 36K	AMF 93K	AMF-S 370K
General data			
Recommended flow rate*	up to 20 m³/h (88 gpm)	up to 50 m³/h (220 gpm)	up to 200 m³/h (880 gpm)
Inlet/Outlet diameter	2" (50 mm)	4" (100 mm)	6" or 8" (150 or 200 mm)
Standard filtration degrees	20, 10, 7, 3, 2, 1 micron		
Min. working pressure	0.5 bar (7 psi)		
Max. working pressure	10 bar (145 psi)		
Working temperature range	4 - 40°C (39-104°F)		
Compressed air supply ** (for pneumatic valves)	Clean and dry instrument air, 80-120 psi / 5.5-8.0 bar 8.5 CFM at 90 psi / 4 l/s at 6.0 bar (for one AMF-S 370K, depends on type of pneumatic actuator)		
Weight (empty)	480 kg (1,058 lb)	650 kg (1,433 lb)	2,450 kg (5,400 lb)

* Depending on water quality and application - selection to be qualified by Amiad.

** Motorized valves are available upon request.

Flushing data			
Flushing flow rate	6 m³/h (26 gpm)	6 m³/h (26 gpm)	20 m³/h (88 gpm)
Reject water volume per flush cycle	0.5 - 0.7 m³ (132 - 185 gallon)	1.1 - 1.5 m³ (290 - 396 gallon)	3.5 - 5 m³ (925 - 1,320 gallon)
Flushing sequence time	Approximately 10 minutes including drainage and filling time		
Exhaust valve	50 mm 2"	80 mm 3"	100 mm 4"
Flushing criteria	Differential pressure, time interval and manual operation		

Filter Element Data			
Filtration area	35,580 cm² (5,515 in²)	92,500 cm² (14,340 in²)	370,000 cm² (57,350 in²)
Electronic control			
Rated operation voltage	3 phase, 220-480 VAC, 50/60 Hz		
Control voltage	24 V AC/DC		

Construction materials*	
Filter housing and covers	Epoxy coated carbon steel
Cassettes	Polyester thread on Noryl® molded base
Cassette package	PVC, stainless steel
Pistons	UHMWPE, stainless steel, nylon, PTFE
Seals	Nitrile rubber (NBR), EPDM
Pressure hoses	Rubber
Bolts, nuts, washers	Stainless steel
Pneumatic valves	Cast iron, EPDM, brass, stainless steel
Solenoid valves	Aluminum (pneumatic control of valves), brass (hydraulic control of pistons)

* Amiad offers a variety of construction materials. Please contact us for specifications.

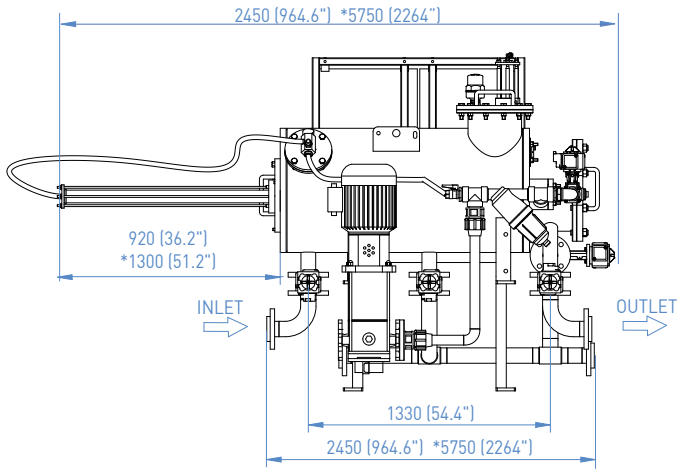
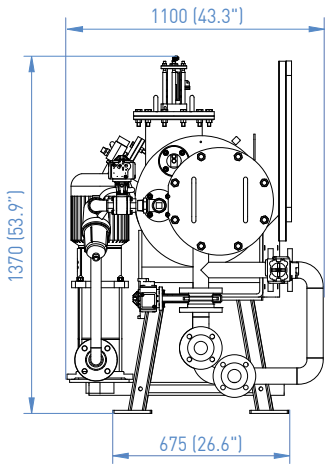
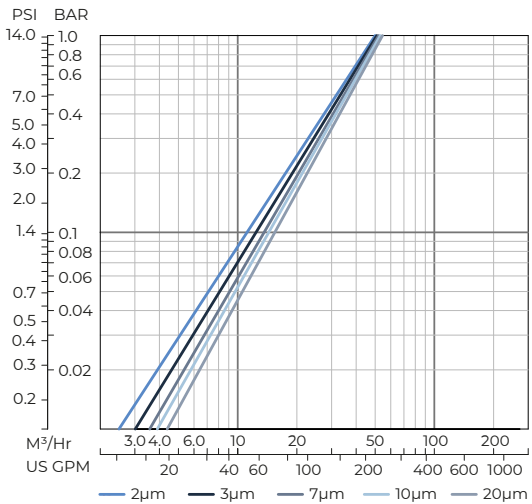
AMF Models



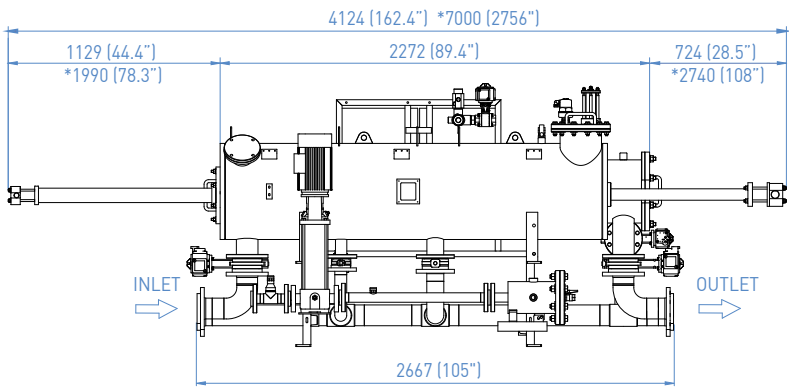
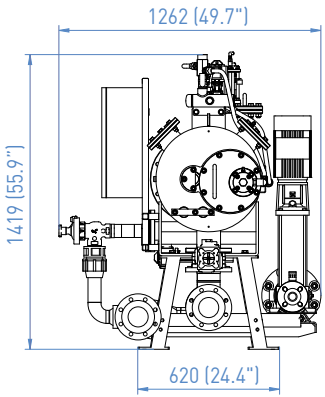
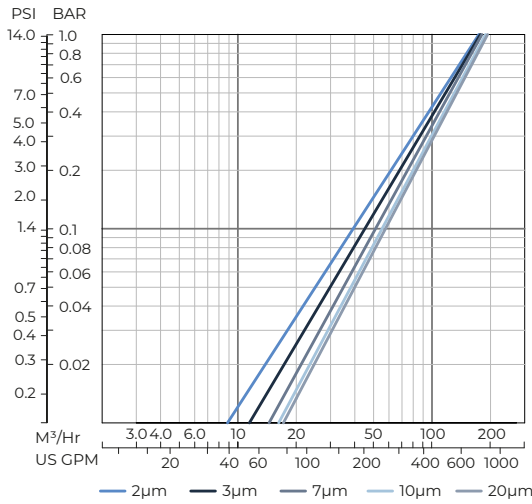
AMF 36K



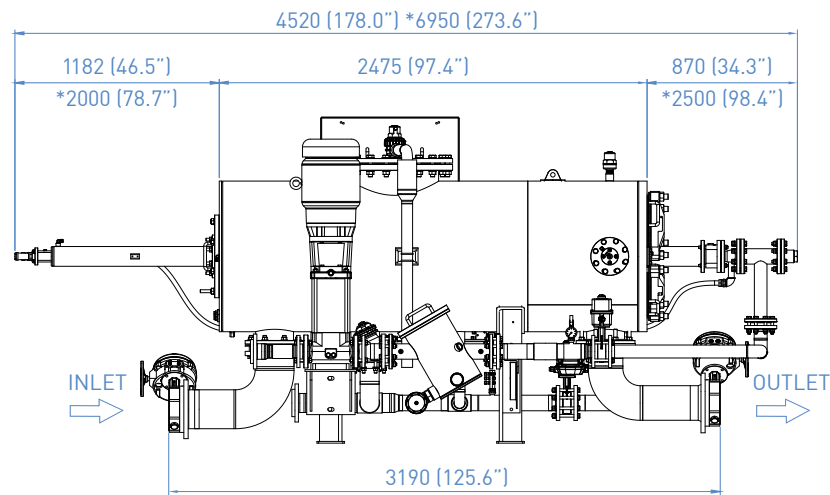
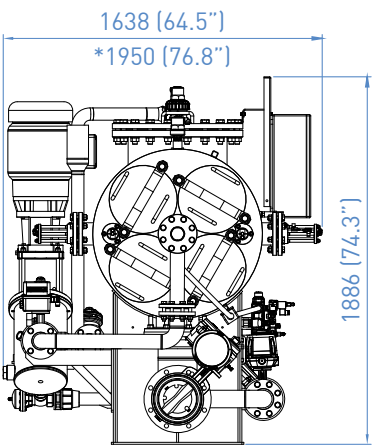
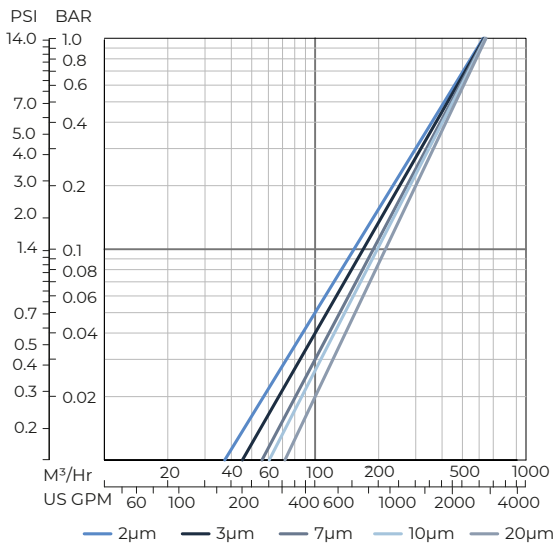
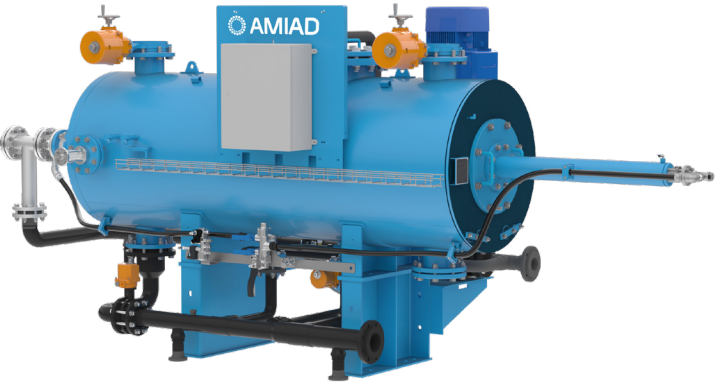
Head Loss Graph (in clean water)



AMF 93K



AMF-S 370K



*Approx. length required for maintenance
mm (inch)



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