



AMF

Microfiber filter for fine filtration
20-2 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 2 micron



NF/RO protection

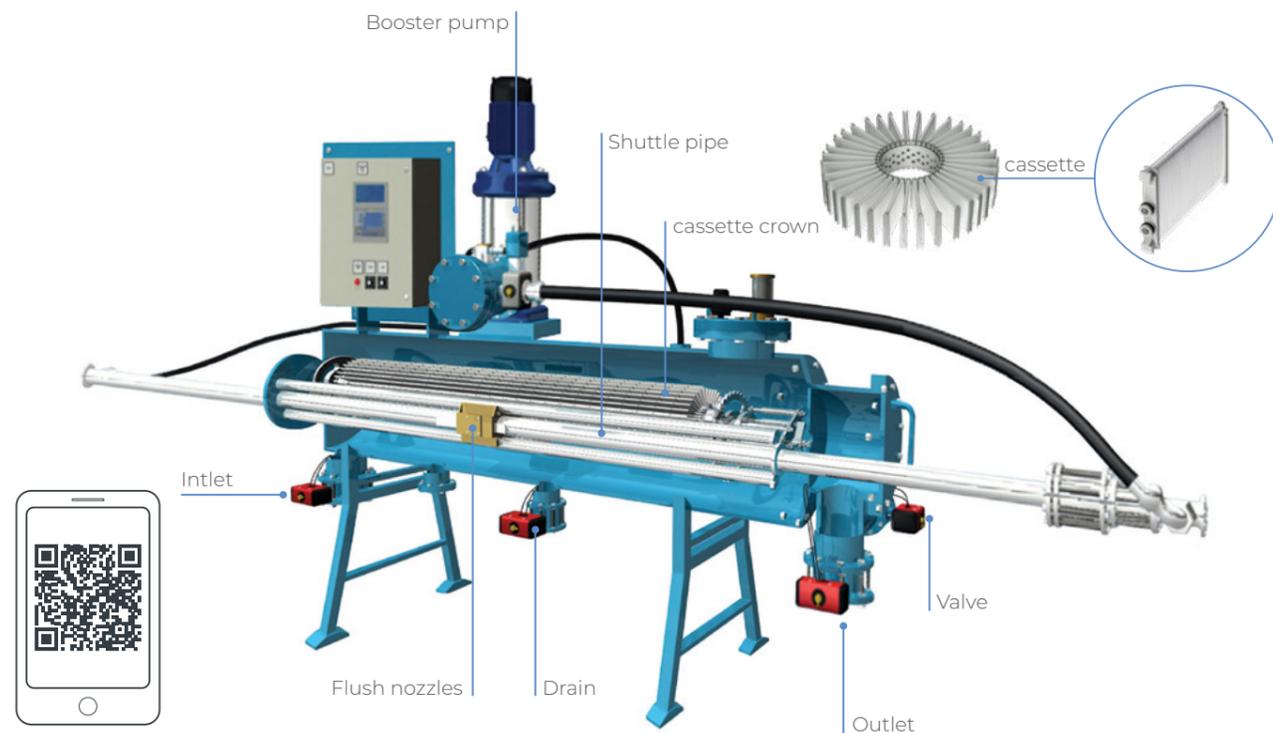




NSF 61-G approved



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 m ³ /h (88 gpm) | up to 50 m ³ /h (220 gpm) | up to 200 m ³ /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 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 m ³ /h (26 gpm) | 6 m ³ /h (26 gpm) | 20 m ³ /h (88 gpm) |
| Reject water volume per flush cycle | 0.5 - 0.7 m ³ (132 - 185 gallon) | 1.1 - 1.5 m ³ (290 - 396 gallon) | 3.5 - 5 m ³ (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 cm ² (5,515 in ²) | 92,500 cm ² (14,340 in ²) | 370,000 cm ² (57,350 in ²) |
| 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) |

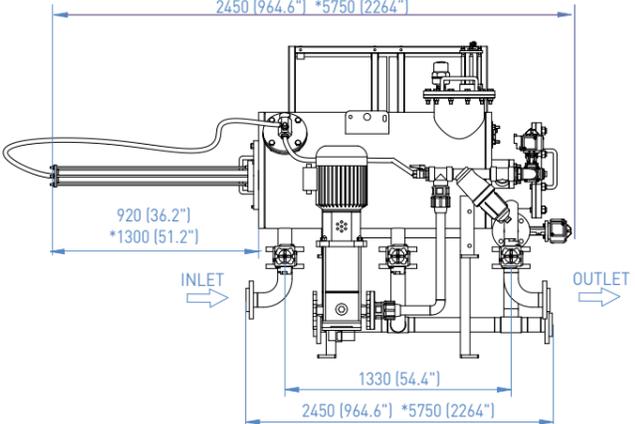
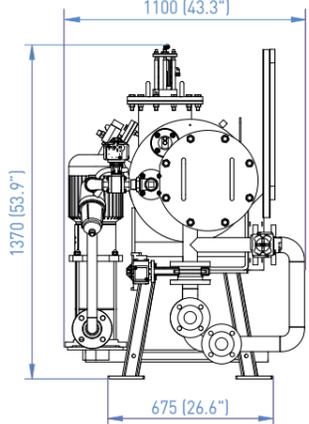
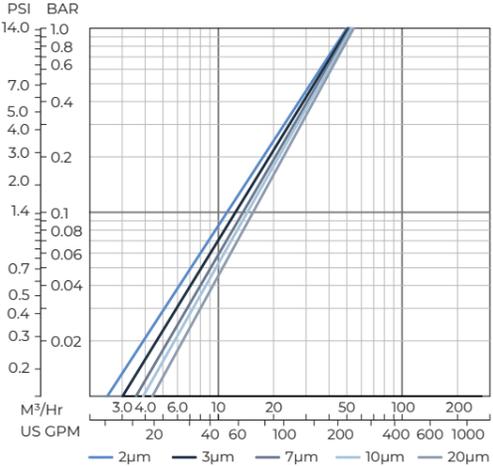
* Amiad offers a variety of construction materials. Please contact us for specifications.

AMF Models

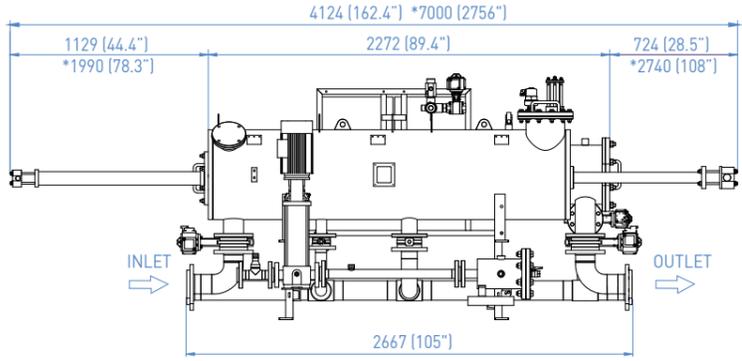
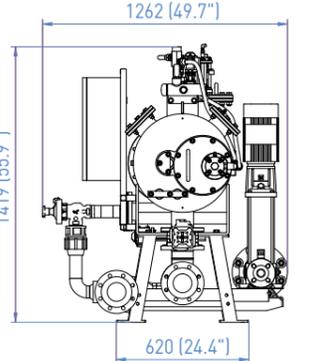
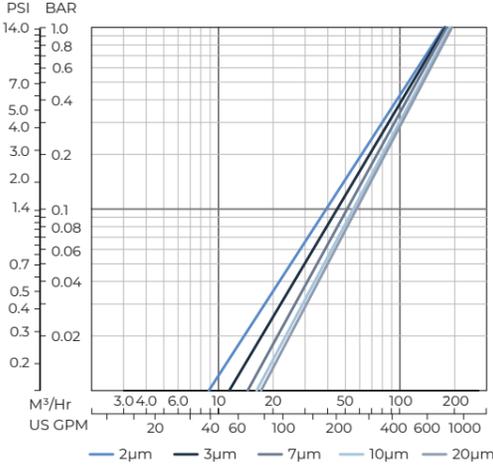


AMF 36K

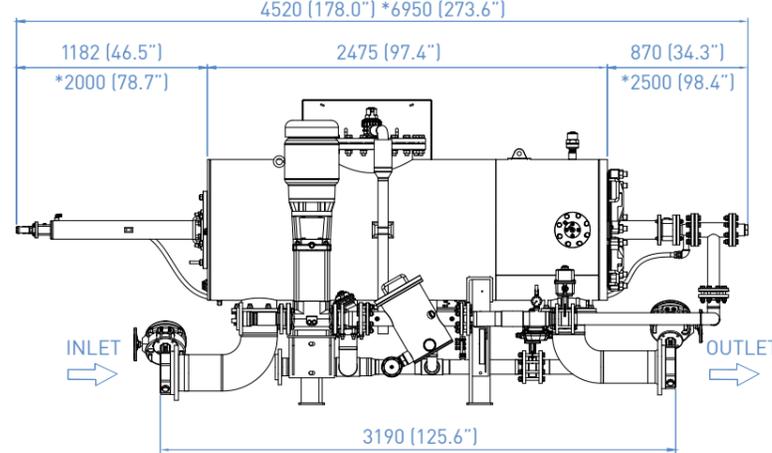
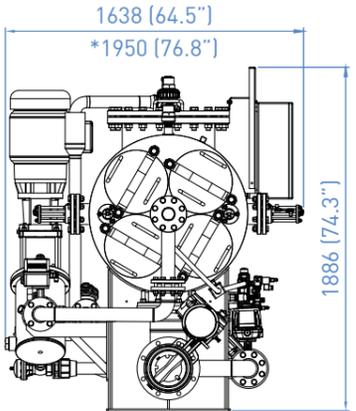
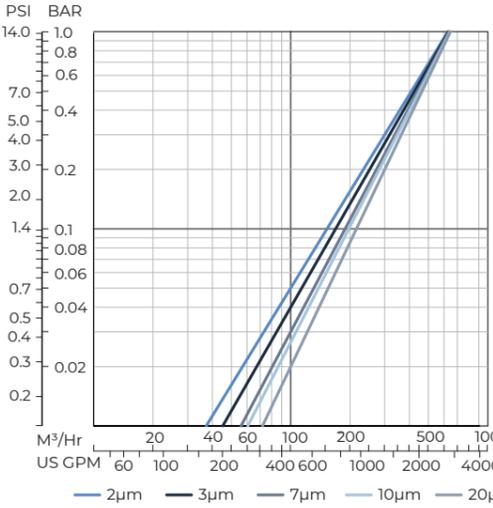
Head Loss Graph (in clean water)



AMF 93K



AMF-S 370K



*Approx. length required for maintenance mm (inch)



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 **amiad** INDUSTRY

**MASTERS OF
FILTRATION**

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