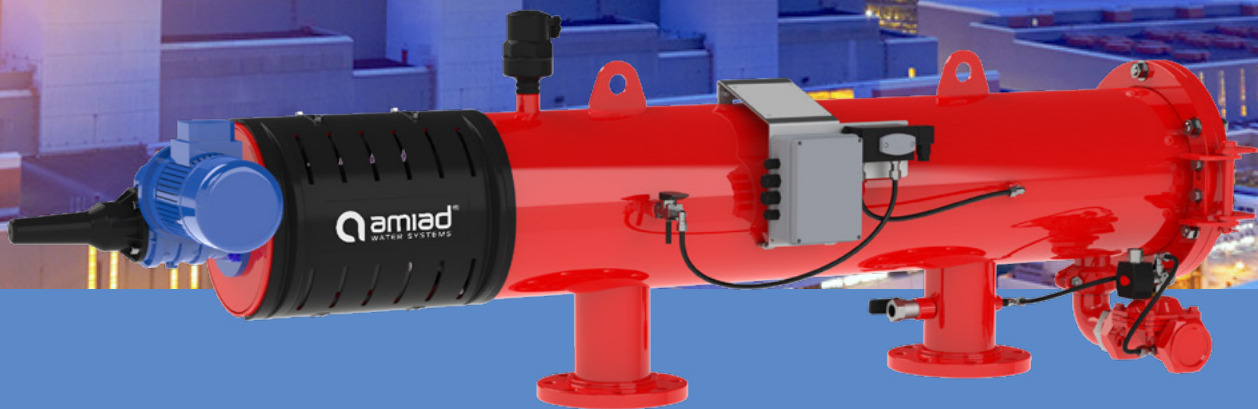


amiad[®]
ORIGINAL
SINCE 1962



SAF-X

Highly efficient self-cleaning
screen filter

MASTERS ^{OF} FILTRATION



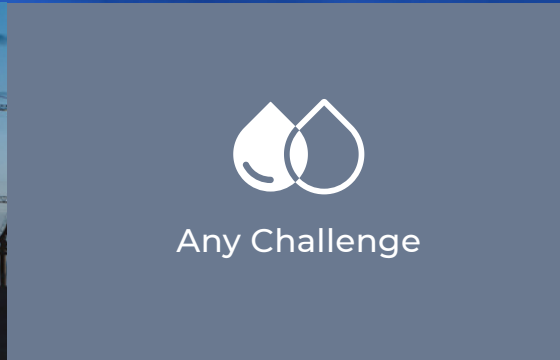
Any Technology



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.

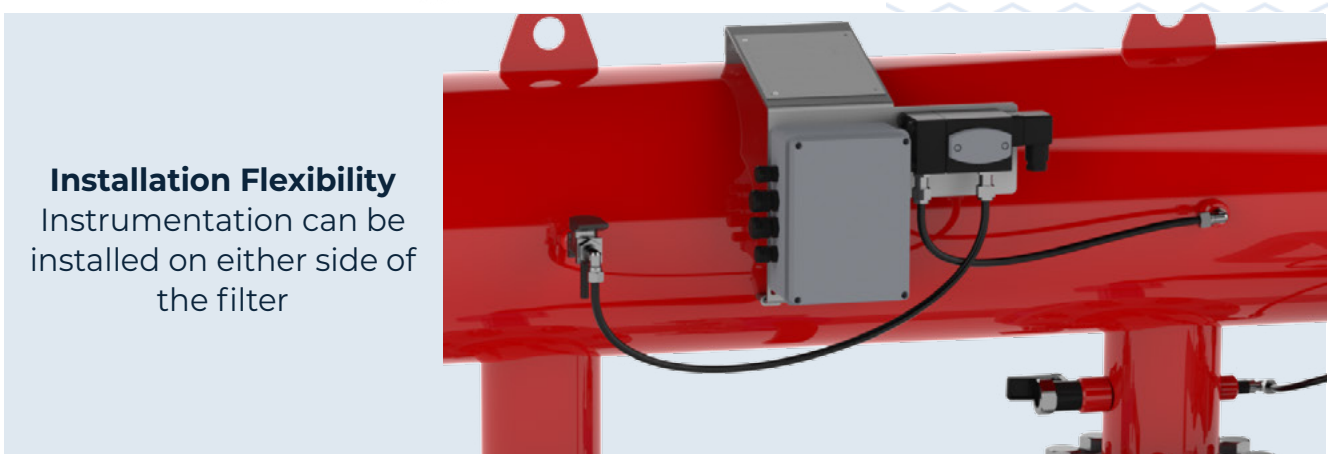
We'll go anywhere to ensure our filters perform as expected, 24/7, every day of the year.

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

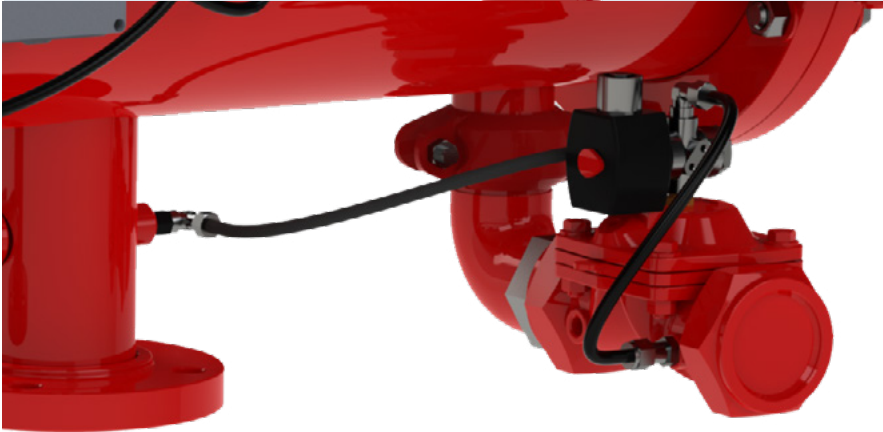
Amiad. Masters of Filtration.



Simple Maintenance
Hinged lid for convenient opening and easy access

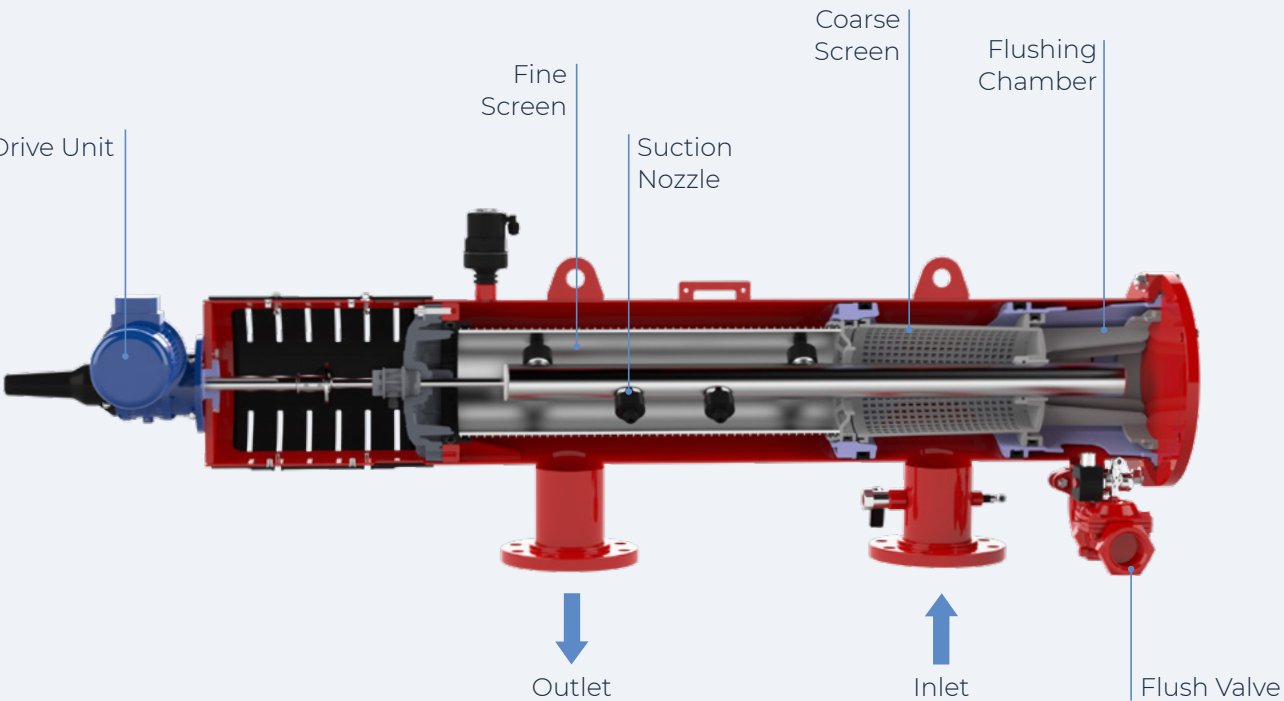


Installation Flexibility
Instrumentation can be installed on either side of the filter

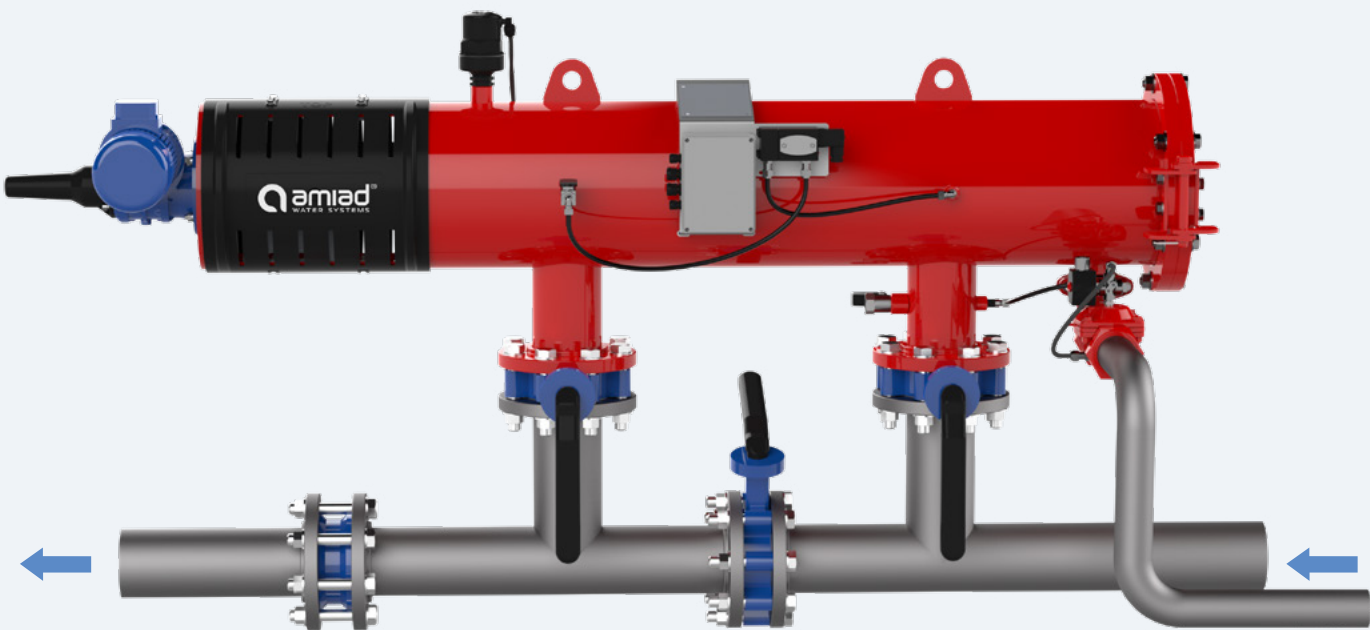


Swivel Flushing Valve
Enables positioning according to installation

Cross Section

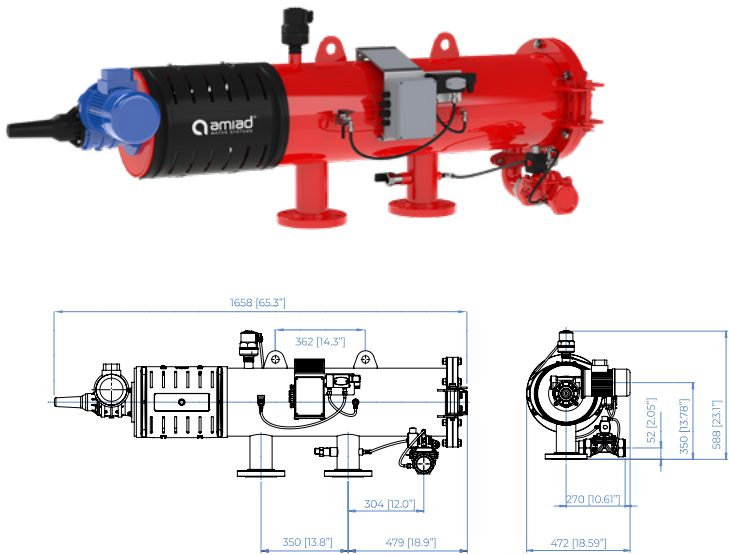


Typical Installation

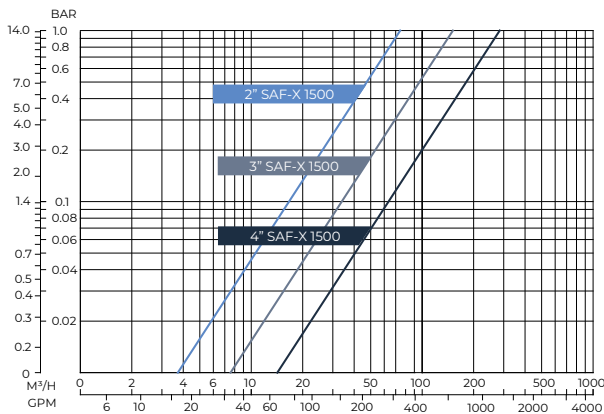


SAF-X Models

SAF-X 1500



Head Loss Graph (in clean water)

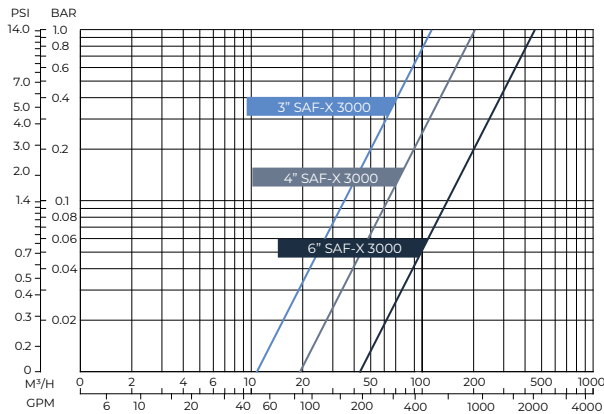
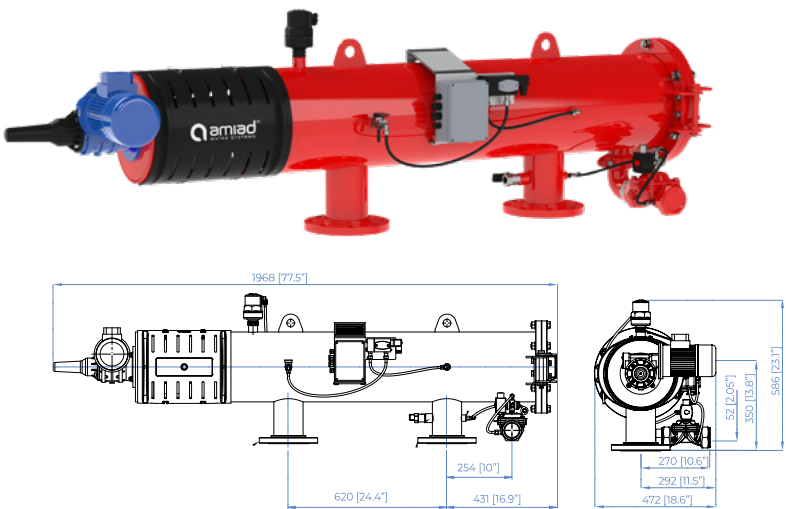


Technical Specifications

| Filter Model | SAF-X 1500 | SAF-X 3000 | SAF-X 4500 |
|---|--|--|--|
| General data | | | |
| Max. flow rate* (130µ) | 80 m³/h (352 gpm) | 160 m³/h (700 gpm) | 240 m³/h (1,060 gpm) |
| Design pressure | 10 bar (150 psi) | | |
| Min. operating pressure | 2 bar (30 psi) | | |
| Working temperature | 4°-50°C (39.2°-122°F) | | |
| Filtration area | 1,500 cm² (233 in²) | 3,000 cm² (465 in²) | 4,500 cm² (700 in²) |
| Inlet / Outlet diameter | 2" (50 mm), 3" (80 mm), 4" (100 mm) | 3" (80 mm), 4" (100 mm), 6" (150 mm) | 4" (100 mm), 6" (150 mm), 8" (200 mm) |
| Filter housing | 10" (250 mm) | | |
| Weight: empty/operational (per inlet/outlet diameter) | 2" (50 mm) 108/158 kg (238/348 lb) | 3" (80 mm) 131/198kg (288/436 lb) | 4" (100 mm) 154/237 kg (339/521 lb) |
| | 3" (80mm) 109.161 kg (340/354 lb) | 4" (100 mm) 132/200 kg (290/440 lb) | 6" (150 mm) 155/241 kg (341/530 lb) |
| | 4" (100 mm) 110/164 kg (242/361 lb) | 6" (150 mm) 133/205 kg (293/451 lb) | 8" (200 mm) 156/247 kg (343/543 lb) |
| | | | |

* Consult manufacturer for optimum flow depending on filtration degree & water quality.

SAF-X 3000



Electronic control

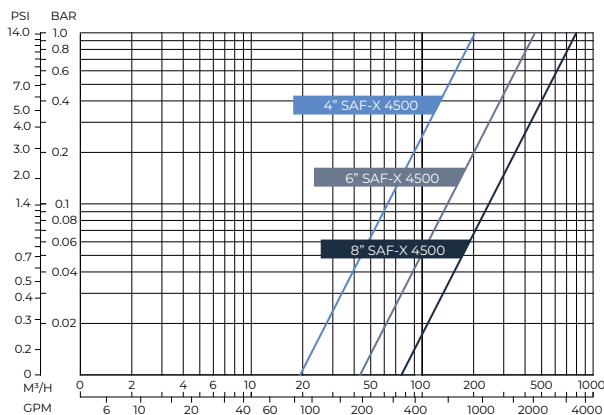
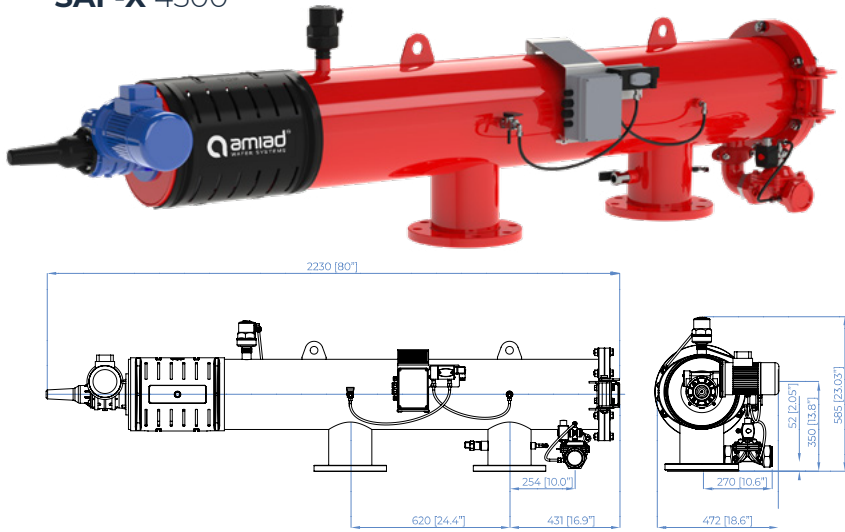
| | |
|-------------------------|---|
| Control voltage | 24V AC or DC |
| Electric motor | 1/4 HP (0.18 Kw) 50/60 Hz |
| Rated operation voltage | Three-phase, 230/400/460V, 50/60 Hz Single-phase, 110/220V, 50/60 Hz |
| Current consumption | 0.6 Amp. (with three-phase 400V) |

Flushing data**

| | | | |
|-------------------------------------|----------------------|----------------------|-----------------------|
| Exhaust valve | 50 mm (2") | | |
| Flushing time | 20 sec. | | |
| Reject water volume per flush cycle | 39 liter (10 gallon) | 78 liter (20 gallon) | 117 liter (30 gallon) |
| Flushing flow rate | 7 m³/h (31 gpm) | 14 m³/h (62 gpm) | 21 m³/h (93 gpm) |

** Standard nozzle at 2.5 bar (35 psi)

SAF-X 4500



Construction materials

| | |
|------------------------|---|
| Filter housing and lid | Epoxy-coated carbon steel 37-2 (Stainless steel 316 available on request) |
| Screens | Stainless steel 316 |
| Cleaning mechanism | Stainless steel 316, POM, PVC |
| Exhaust valve | Epoxy-coated cast iron, natural rubber |
| Seals | Synthetic rubber |
| Control | Aluminium, brass, stainless steel, PVC |

Standard Filtration Degrees

| | Stainless Steel Weave-wire Screen | | | | | | | | | | | |
|--------|-----------------------------------|-----|-----|-----|------|-----|------|------|------|------|------|------|
| micron | 800 | 500 | 300 | 200 | 130 | 100 | 80 | 50 | 40 | 30 | 20 | 10 |
| mm | 0.8 | 0.5 | 0.3 | 0.2 | 0.13 | 0.1 | 0.08 | 0.05 | 0.04 | 0.03 | 0.02 | 0.01 |

mm (inch)
*Approx. length required for maintenance



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



Headquarter: 54/18 Bui Quang La, Ward 12, Go Vap District, HCMC, Vietnam

Branch office: 77 DHT10B, Dong Hung Thuan Ward, District 12, HCMC, Vietnam

Phone: (028) 6258 5368 – (028) 6291 9568

Email: info@atswatertechnology.com

Website: www.atswatertechnology.com



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