

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.

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.



Disc Technology



Screen Technology

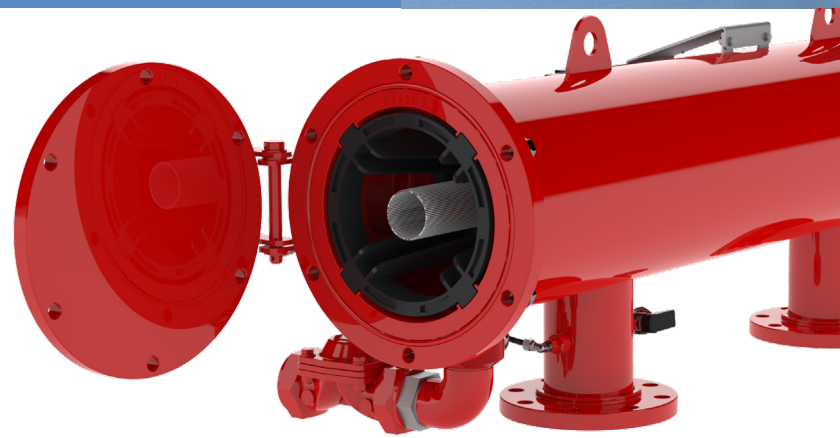


Media Technology

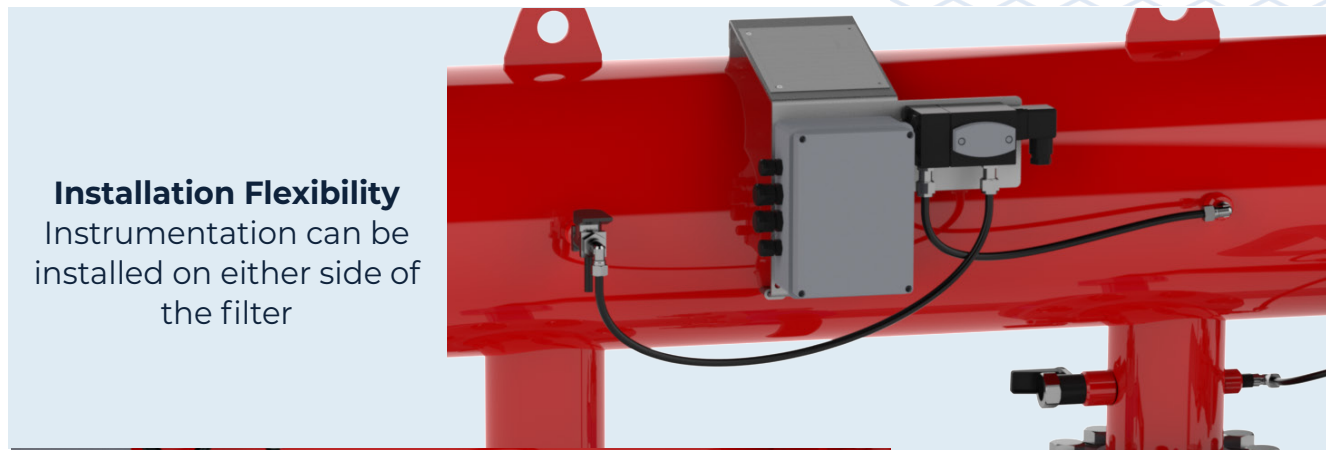


Microfiber Technology

SAF-X FEATURES



Simple Maintenance
Hinged lid for convenient opening and easy access

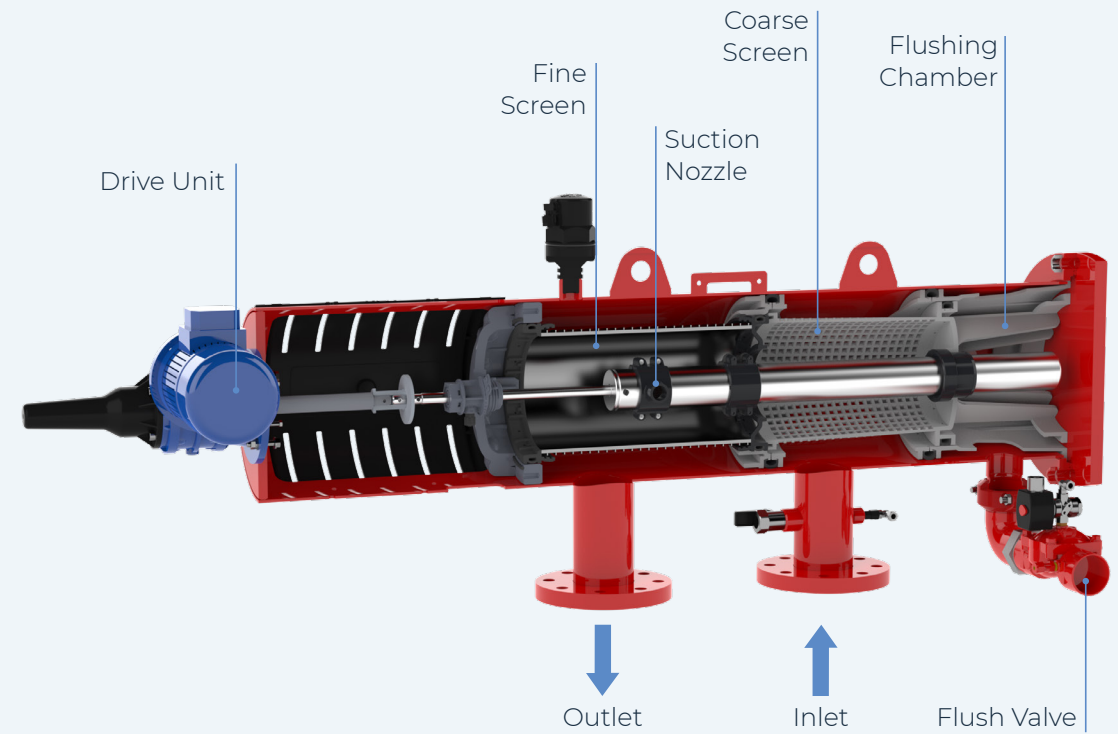


Installation Flexibility
Instrumentation can be installed on either side of the filter

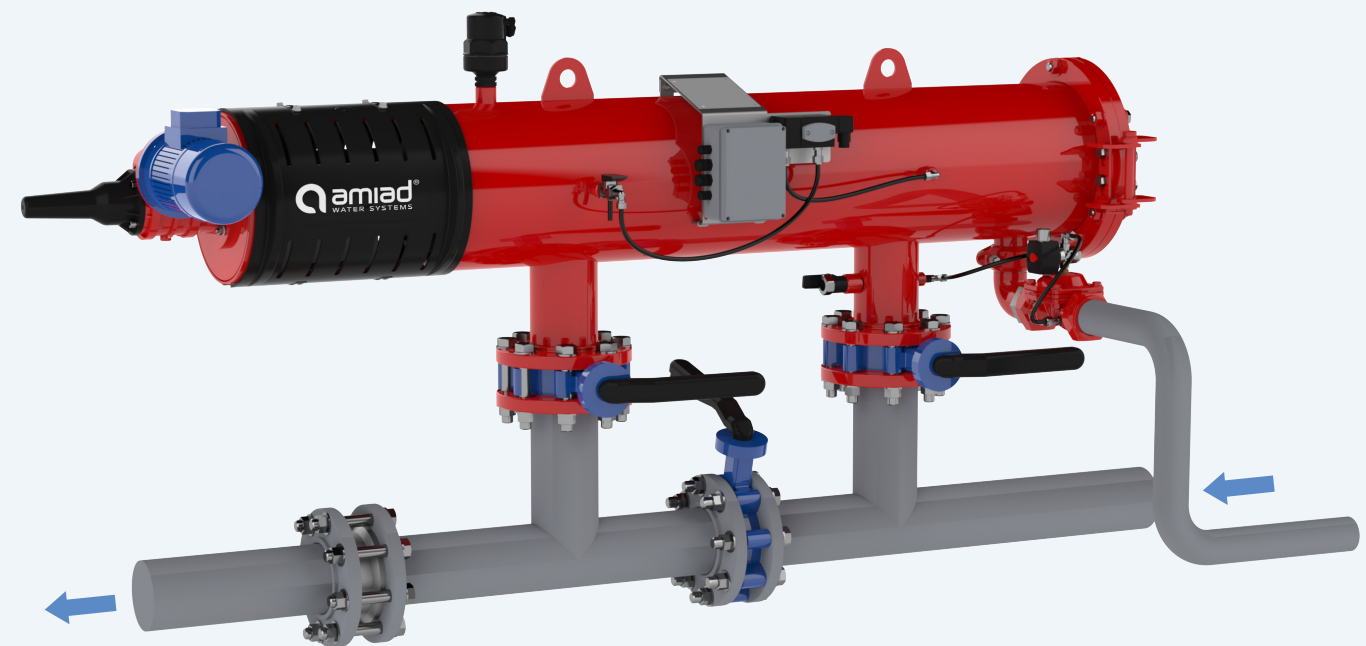


Swivel Flushing Valve
Enables positioning according to installation

Cross Section

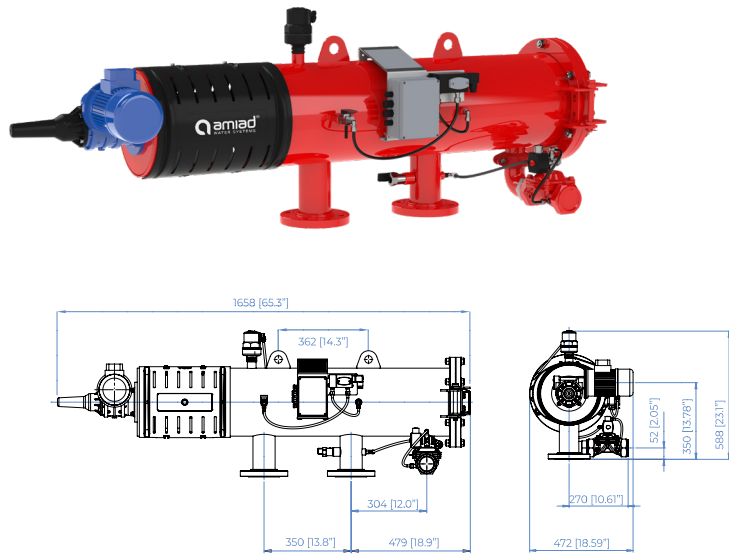


Typical Installation

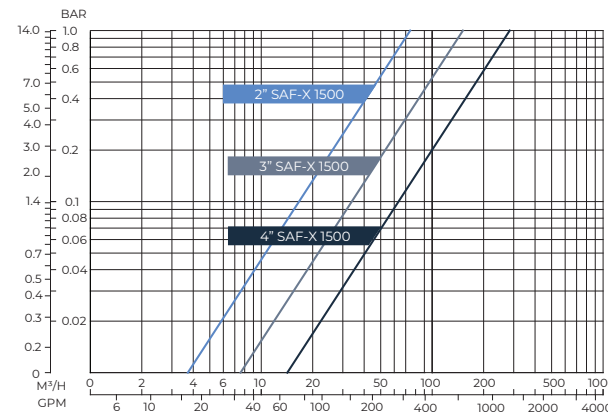


SAF-X Models

SAF-X 1500



Head Loss Graph (in clean water)

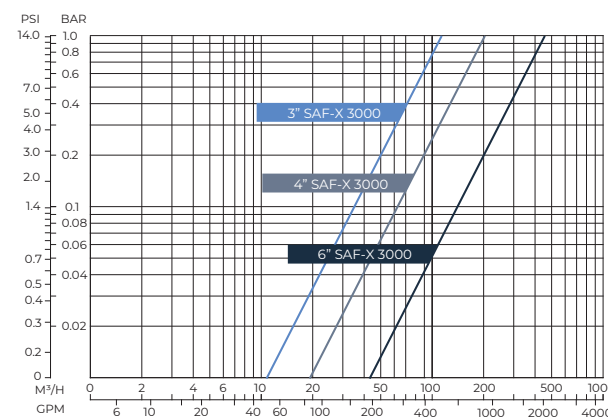
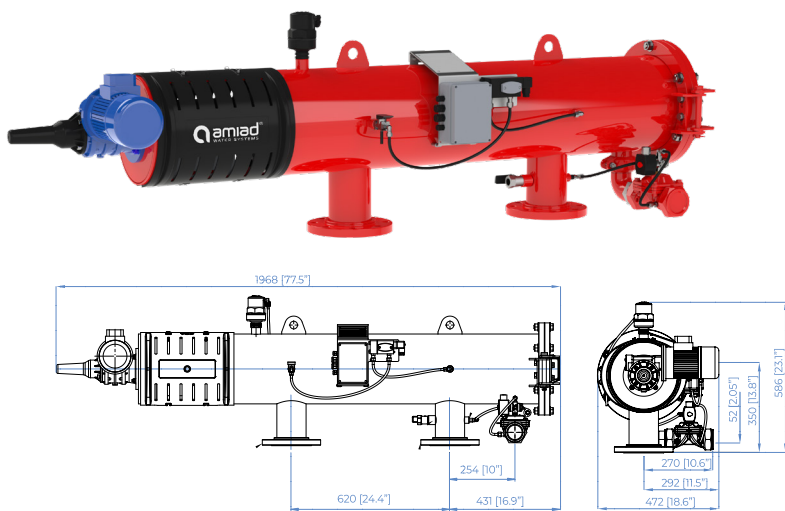


Technical Specifications

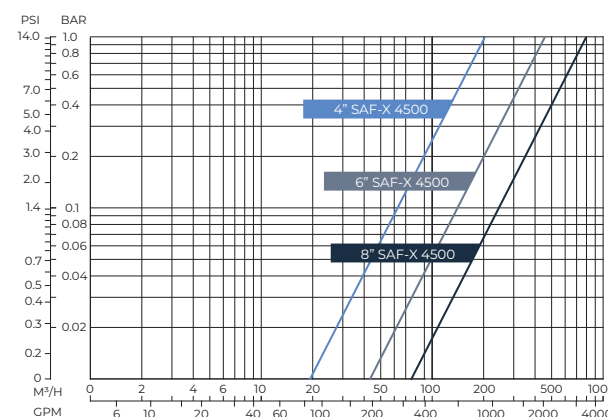
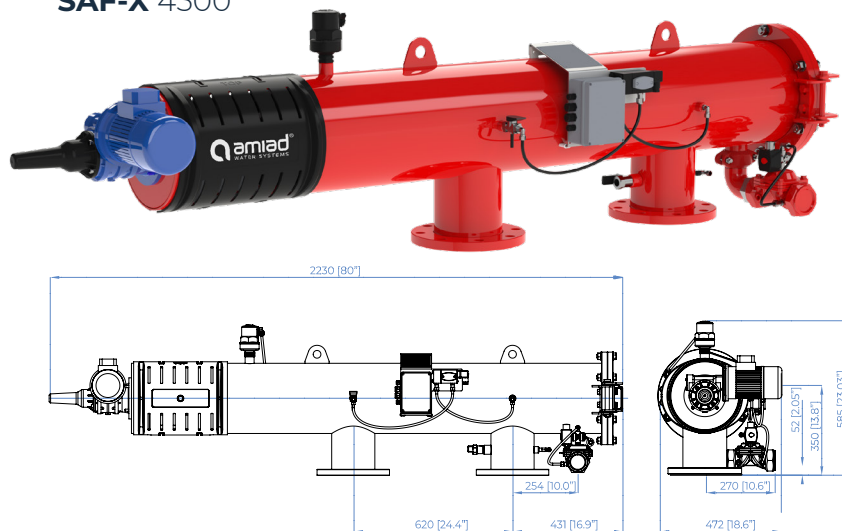
Filter Model	SAF-X 1500	SAF-X 3000	SAF-X 4500
General data			
Max. flow rate* (130µ)	80 m³/h (352 gpm)	160 m³/h (700 gpm)	240 m³/h (1,060 gpm)
Design pressure	10 bar (150 psi)		
Min. operating pressure	2 bar (30 psi)		
Working temperature	4°-50°C (39.2°-122°F)		
Filtration area	1,500 cm² (233 in²)	3,000 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



SAF-X 4500



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)

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



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 **amiad** INDUSTRY

MASTERS OF FILTRATION

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