

SCREENGUARD™ AUTOMATIC SCREEN FILTERS

3 LAYER STAINLESS STEEL SCREEN FOR LONG LIFE, HIGH PERFORMANCE



APPLICATIONS

- Primary filtration for good quality well water with no organic matter
- Protects row and permanent crops from inorganic materials

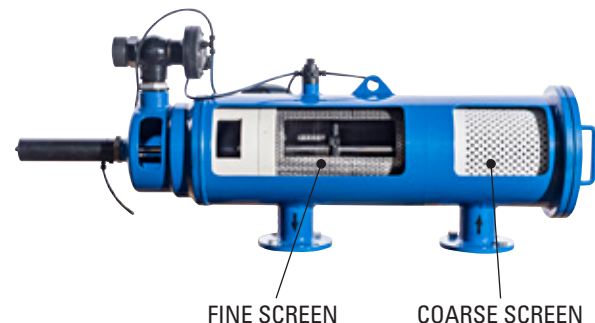
SPECIFICATIONS

- Minimum Operating Pressure: 30 psi
- Maximum Operating Pressure: 150 psi
- Maximum Water Temperature: 149° F (65° C)
- End Connections: Flanged
- Screen Mesh Sizes: 080, 120, 150, 200
- Sizes: 4", 6", 8" and 10"
- Control Voltage: DC Latching
- Filter Housing: baked epoxy, carbon steel coated

PRODUCT ADVANTAGES

- Ease of maintenance due to quick access to internal components and simple disassembly.
- Proven and robust control structure included at no additional cost.
- High quality construction and durability backed by the world's most trusted irrigation manufacturer.
- 3-Layer, 316 stainless steel screen technology provides long life and high performance under even the most demanding conditions.
- Externally mounted backflush valve for easy serviceability.

BENEFIT	SCREENGUARD	OTHERS
EASE OF MAINTENANCE	HIGH	LOW/MEDIUM
BACKFLUSH CONTROLLER INCLUDED	YES	NO
EXTERNALLY MOUNTED BACKFLUSH VALVE	YES	NO

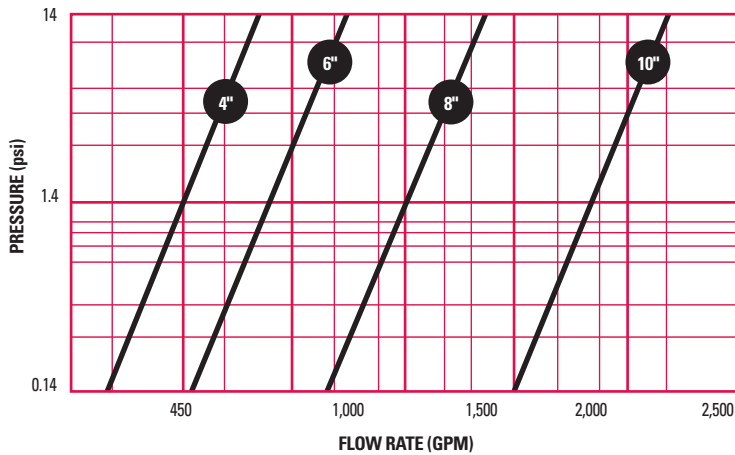


DESCRIPTION OF OPERATION

A coarse screen protects the finer screen from large particles and it can be periodically cleaned manually. Automatic flushing of the fine screen is activated once the pressure differential (ΔP) in the filter reaches a pre-determined value. During the flushing cycle, the backflush valve opens, pressure is released from the piston and debris laden water is discharged through the backflush valve. Pressure in the hydraulic motor chamber and the dirt collector is significantly lowered causing the dirt collection nozzles to move along and rotate cleaning the whole internal screen surface. The flushing cycle takes 5 seconds. The backflush valve closes at the end of the cycle, pressure is reapplied, moving the nozzles back to their resting position and the filter is cleaned. During the whole process, water supply is uninterrupted.

SCRENGUARD AUTOMATIC SCREEN FILTERS

HEADLOSS (FLOW VS. PRESSURE)



SPECIFICATIONS

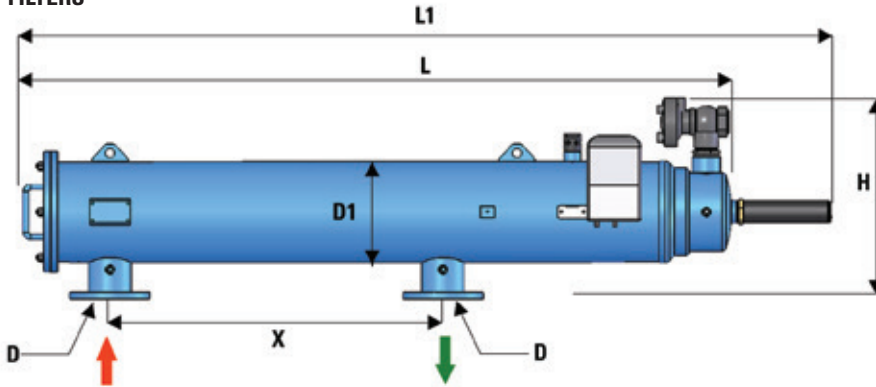
SIZE	SCREEN AREA	BACKFLUSH FLOW RATE	MAXIMUM FLOW RATE
4"	1,300 SQ. IN.	132 GPM	440 GPM
6"	1,300 SQ. IN.	132 GPM	700 GPM
8"	1,300 SQ. IN.	132 GPM	1,320 GPM
10"	1,815 SQ. IN.	396 GPM	2,000 GPM

ORDERING INFORMATION

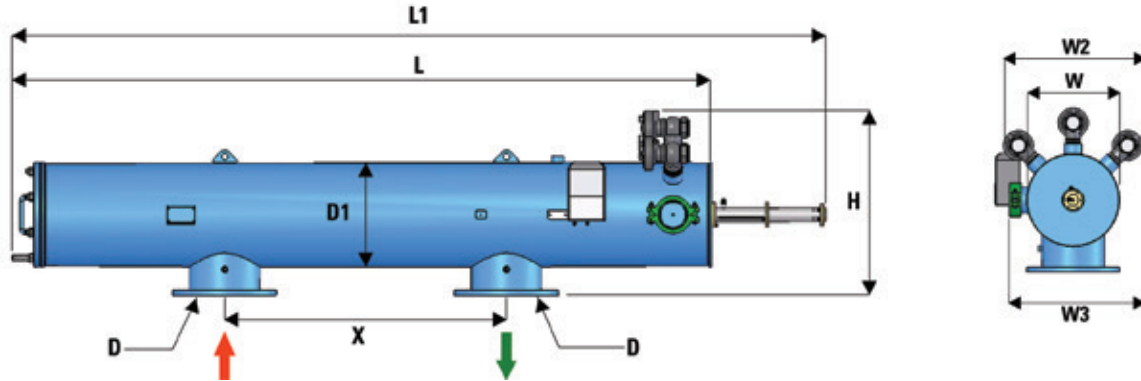
MODEL NUMBER	SIZE
76ASF4FL-XXX	4"
76ASF6FL-XXX	6"
76ASF8FL-XXX	8"
76ASF10FL-XXX	10"

REPLACE XXX WITH FILTRATION MESH SELECTION (80, 120, 150 OR 200)

4", 6" AND 8" FILTERS



10" FILTER



DIMENSIONS

SIZE	D (IN/OUT)	D1	H	X	L	L1	W	W1	W2	W3
4"	4"	10"	21.44"	35.43"	76.02"	85.83"	12.79"	12.95"	-	-
6"	6"	10"	21.84"	35.43"	78.78"	88.58"	12.79"	12.95"	-	-
8"	8"	12"	22.81"	35.43"	86.26"	96.08"	12.79"	13.77"	-	-
10"	10"	16"	28.35"	43.31"	106.29"	125.2"	16.0"	-	24.16"	23.93"

W = BODY WIDTH
 W1 = BODY WIDTH + LABEL PLATE
 W2 = VALVE WIDTH
 W3 = BODY WIDTH + SERVICE OPENING

WEIGHT & PACKAGING

SIZE	WEIGHT	PACKAGING
4"	340 LBS.	7.9' L X 2.5' W X 1.9' H
6"	346 LBS.	7.9' L X 2.5' W X 1.9' H
8"	412 LBS.	8.5' L X 2.9' W X 2.1' H
10"	893 LBS.	11.1' L X 3.3' W X 2.4' H



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