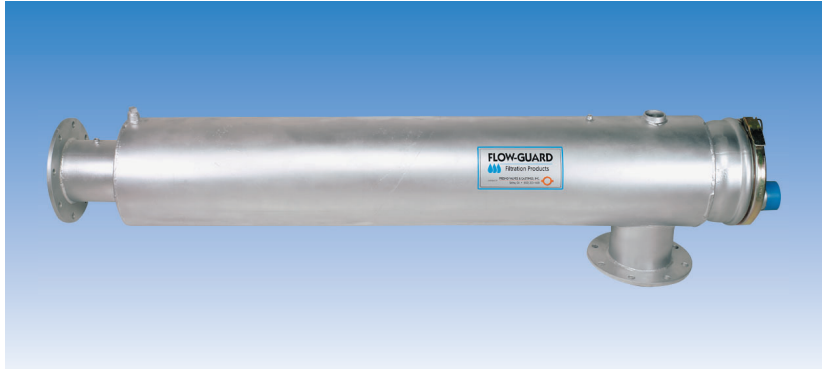


SERIES 1500 GALVANIZED SCREEN FILTERS



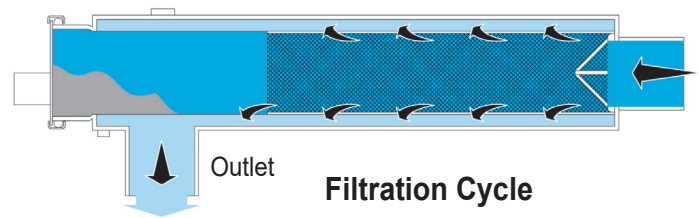
FLOW-GUARD
 Filtration Products

Galvanized Screen Filters

- Internal guide-rods for easy maintenance.
- Stainless steel screen element.
- 8" inlet and outlet.
- 1200 or 1750 GPM.
- $\frac{1}{16}$ ", $\frac{3}{32}$ " or $\frac{1}{8}$ " screens.

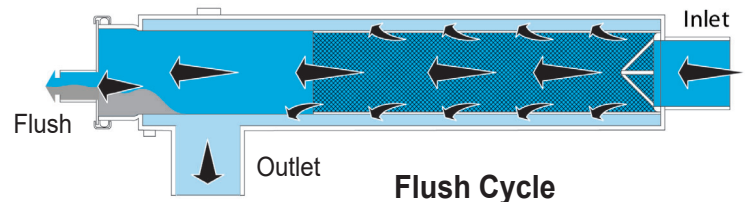
Filtration Cycle

Source water enters through the inlet port and is filtered through the screen assembly. Contaminates are captured on the inside of the screen surface and accumulate in the collector. Filtered water passes through the screen and exits through the outlet port.



Flush Cycle

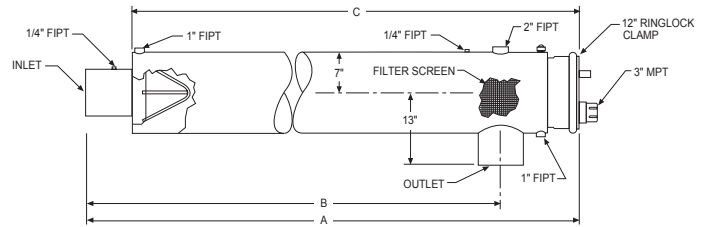
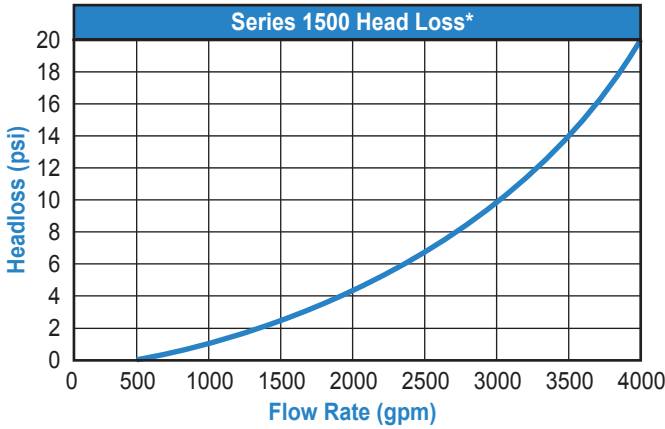
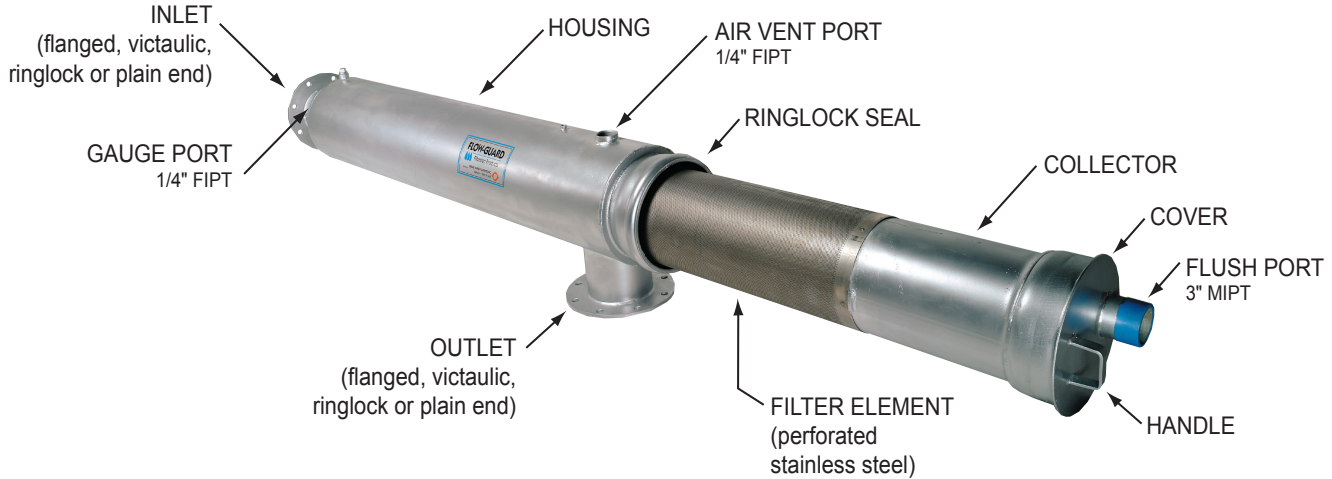
When the flush cycle is required, the flush valve is manually opened and the source water is allowed to rush through the screen at an accelerated rate. This process effectively flushes the contaminants from the screen and collector leaving it ready for another filtration cycle.



Applications

The Series 1500 Pressurized Screen Filters deliver excellent filtration of inorganic contaminants found in irrigation water. Two models provide flow ranges of 1200 or 1750 gpm, and filtration screen options $\frac{1}{16}$ ", $\frac{3}{32}$ " or $\frac{1}{8}$ ". Available with victaulic, flanged, plain end or ringlock ends. These versatile filters can be used as pre-filters or primary filters, depending on application and water quality.

SPECIFICATIONS



Open Screen Area		
GPM	1/16" Screen	3/32" Screen
1200	780 sq. in. or 41%	628 sq. in. or 33%
1750	1560 sq. in. or 41%	1256 sq. in. or 33%

Model Number	Standard						
	Max. GPM	A	B	C	Inlet	Outlet	Screen
P3821-01	1200	86 ¹³ / ₁₆ "	74 ¹ / ₂ "	79 ¹ / ₈ "	8" Victaulic	8" Victaulic	1/16"
P3821-02	1200	87 ⁷ / ₁₆ "	74 ¹¹ / ₁₆ "	79 ¹¹ / ₁₆ "	8" Flange	8" Flange	1/16"
P3821-03	1200	86 ³ / ₁₆ "	74 ¹ / ₂ "	78 ¹¹ / ₁₆ "	8" Plain End	8" Plain End	1/16"
P3821-04	1200	87 ⁷ / ₁₆ "	75 ¹ / ₈ "	78 ¹¹ / ₁₆ "	8" R/L Male	8" R/L Bell	1/16"
P3821-21	1200	89 ¹³ / ₁₆ "	74 ¹ / ₂ "	79 ¹ / ₈ "	8" Victaulic	8" Victaulic	3/32"
P3821-22	1200	87 ⁷ / ₁₆ "	74 ¹¹ / ₁₆ "	79 ¹¹ / ₁₆ "	8" Flange	8" Flange	3/32"
P3821-23	1200	86 ³ / ₁₆ "	74 ¹ / ₂ "	78 ¹¹ / ₁₆ "	8" Plain End	8" Plain End	3/32"
P3821-24	1200	87 ⁷ / ₁₆ "	75 ¹ / ₈ "	78 ¹¹ / ₁₆ "	8" R/L Male	8" R/L Bell	3/32"
P3850-01	1750	146 ⁷ / ₁₆ "	119 ¹⁵ / ₁₆ "	138 ³ / ₄ "	8" Victaulic	8" Victaulic	1/16"
P3850-02	1750	146 ¹¹ / ₁₆ "	120 ¹ / ₄ "	138 ¹¹ / ₁₆ "	8" Flange	8" Flange	1/16"
P3850-03	1750	146 ¹ / ₂ "	119 ¹⁵ / ₁₆ "	138 ³ / ₁₆ "	8" Plain End	8" Plain End	1/16"
P3850-04	1750	146 ⁷ / ₁₆ "	120 ³ / ₈ "	138 ³ / ₁₆ "	8" R/L Male	8" R/L Bell	1/16"
P3850-11	1750	146 ⁷ / ₁₆ "	119 ¹⁵ / ₁₆ "	138 ³ / ₄ "	8" Victaulic	8" Victaulic	3/32"
P3850-12	1750	146 ¹¹ / ₁₆ "	120 ¹ / ₄ "	138 ¹¹ / ₁₆ "	8" Flange	8" Flange	3/32"
P3850-13	1750	146 ¹ / ₂ "	119 ¹⁵ / ₁₆ "	138 ³ / ₁₆ "	8" Plain End	8" Plain End	3/32"
P3850-14	1750	146 ⁷ / ₁₆ "	120 ³ / ₈ "	138 ³ / ₁₆ "	8" R/L Male	8" R/L Bell	3/32"

Model Number	Metric						
	Max. LPS	A (mm)	B (mm)	C (mm)	Inlet (cm)	Outlet (cm)	Screen (mm)
P3821-01	75.7	2206	1893	2010	20.3 Victaulic	20.3 Victaulic	1.8
P3821-02	75.7	2226	1898	2025	20.3 Flange	20.3 Flange	1.6
P3821-03	75.7	2194	1893	1999	20.3 Plain End	20.3 Plain End	1.6
P3821-04	75.7	2212	1909	1999	20.3 R/L Male	20.3 R/L Bell	1.6
P3821-21	75.7	2282	1893	2010	20.3 Victaulic	20.3 Victaulic	2.4
P3821-22	75.7	2226	1898	2025	20.3 Flange	20.3 Flange	2.4
P3821-23	75.7	2194	1893	1999	20.3 Plain End	20.3 Plain End	2.4
P3821-24	75.7	2212	1909	1999	20.3 R/L Male	20.3 R/L Bell	2.4
P3850-01	110.4	3720	3047	3525	20.3 Victaulic	20.3 Victaulic	1.6
P3850-02	110.4	3726	3055	3523	20.3 Flange	20.3 Flange	1.6
P3850-03	110.4	3722	3047	3526	20.3 Plain End	20.3 Plain End	1.6
P3850-04	110.4	3731	3058	3526	20.3 R/L Male	20.3 R/L Bell	1.6
P3850-11	110.4	3720	3047	3525	20.3 Victaulic	20.3 Victaulic	2.38
P3850-12	110.4	3726	3055	3523	20.3 Flange	20.3 Flange	2.38
P3850-13	110.4	3722	3047	3526	20.3 Plain End	20.3 Plain End	2.38
P3850-14	110.4	3731	3058	3526	20.3 R/L Male	20.3 R/L Bell	2.38



Valves & Castings, Inc.
Specifications subject to change without notice.

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