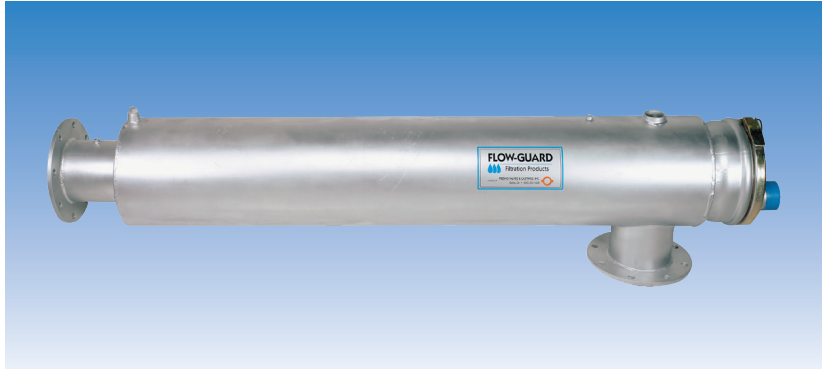


SERIES 1500 GALVANIZED SCREEN FILTERS



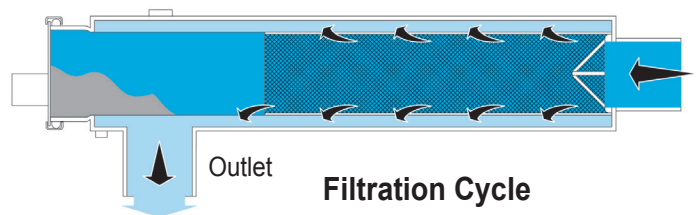
FLOW-GUARD
 Filtration Products

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.

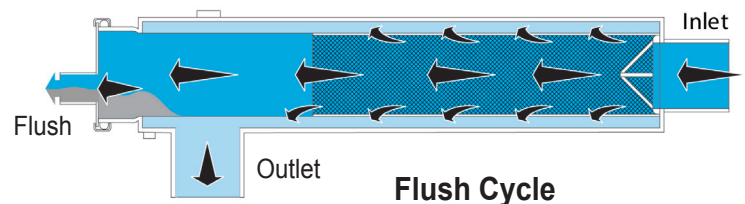
Filtration Cycle

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

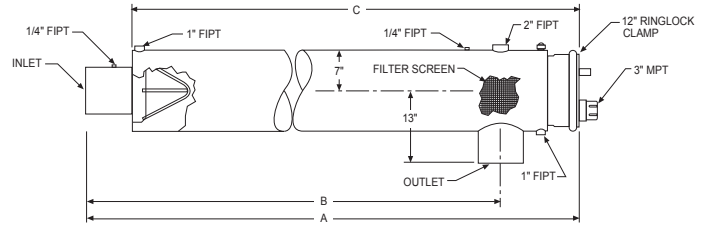
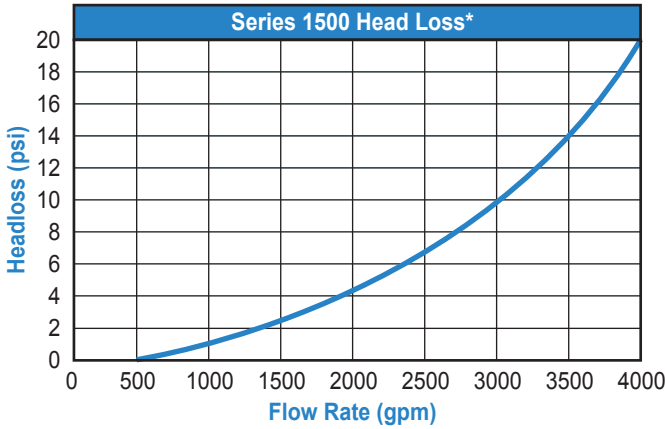
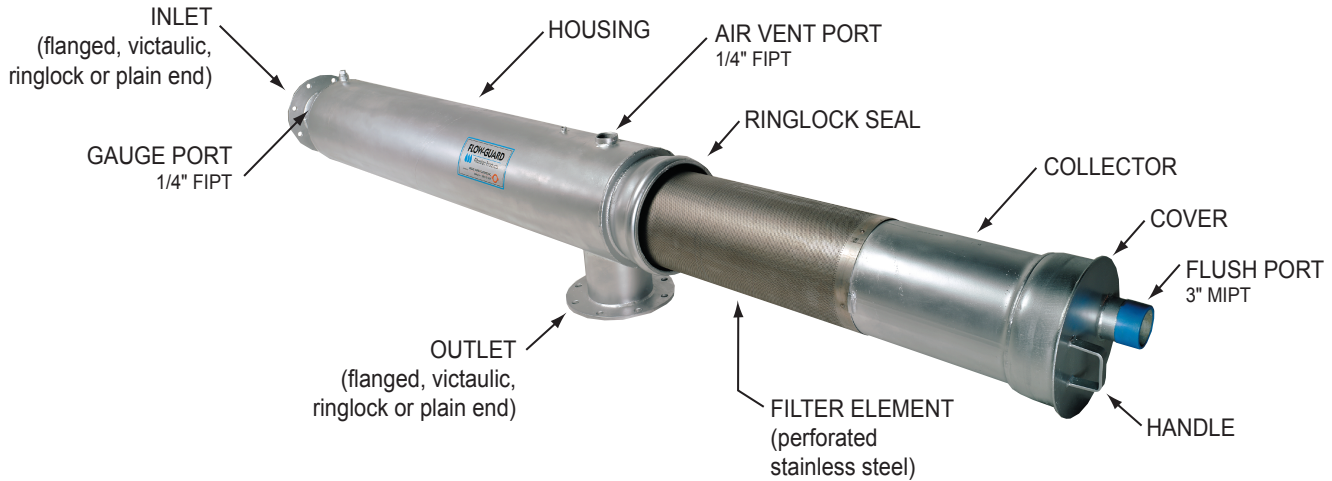
When the flush cycle is required, the flush valve is manually opened and the source water is allowed to rush through the screen at an accelerated rate. This process effectively flushes the contaminants from the screen and collector leaving it ready for another filtration cycle.



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 | Max. GPM | Standard | | | | | |
|--------------|----------|----------|----------|----------|--------------|--------------|--------|
| | | A | B | C | Inlet | Outlet | Screen |
| P3821-01 | 1200 | 85 1/4" | 74 1/2" | 77 3/4" | 8" Victaulic | 8" Victaulic | 1/16" |
| P3821-02 | 1200 | 85 1/4" | 74 1/2" | 77 3/4" | 8" Flange | 8" Flange | 1/16" |
| P3821-03 | 1200 | 85 1/4" | 74 1/2" | 77 3/4" | 8" Plain End | 8" Plain End | 1/16" |
| P3821-04 | 1200 | 85 1/4" | 74 1/2" | 77 3/4" | 8" R/L Male | 8" R/L Bell | 1/16" |
| P3821-21 | 1200 | 85 1/4" | 74 1/2" | 77 3/4" | 8" Victaulic | 8" Victaulic | 3/32" |
| P3821-22 | 1200 | 85 1/4" | 74 1/2" | 77 3/4" | 8" Flange | 8" Flange | 3/32" |
| P3821-23 | 1200 | 85 1/4" | 74 1/2" | 77 3/4" | 8" Plain End | 8" Plain End | 3/32" |
| P3821-24 | 1200 | 85 1/4" | 74 1/2" | 77 3/4" | 8" R/L Male | 8" R/L Bell | 3/32" |
| P3850-01 | 1750 | 132 3/4" | 120 1/2" | 125 1/4" | 8" Victaulic | 8" Victaulic | 1/16" |
| P3850-02 | 1750 | 132 3/4" | 120 1/2" | 125 1/4" | 8" Flange | 8" Flange | 1/16" |
| P3850-03 | 1750 | 132 3/4" | 120 1/2" | 125 1/4" | 8" Plain End | 8" Plain End | 1/16" |
| P3850-04 | 1750 | 132 3/4" | 120 1/2" | 125 1/4" | 8" R/L Male | 8" R/L Bell | 1/16" |
| P3850-11 | 1750 | 132 3/4" | 120 1/2" | 125 1/4" | 8" Victaulic | 8" Victaulic | 3/32" |
| P3850-12 | 1750 | 132 3/4" | 120 1/2" | 125 1/4" | 8" Flange | 8" Flange | 3/32" |
| P3850-13 | 1750 | 132 3/4" | 120 1/2" | 125 1/4" | 8" Plain End | 8" Plain End | 3/32" |
| P3850-14 | 1750 | 132 3/4" | 120 1/2" | 125 1/4" | 8" R/L Male | 8" R/L Bell | 3/32" |

| Model Number | Max. LPS | Metric | | | | | |
|--------------|----------|--------|--------|--------|----------------|----------------|-------------|
| | | A (mm) | B (mm) | C (mm) | Inlet (cm) | Outlet (cm) | Screen (mm) |
| P3821-01 | 75.7 | 2165 | 1892 | 1975 | 20.3 Victaulic | 20.3 Victaulic | 1.6 |
| P3821-02 | 75.7 | 2165 | 1892 | 1975 | 20.3 Flange | 20.3 Flange | 1.6 |
| P3821-03 | 75.7 | 2165 | 1892 | 1975 | 20.3 Plain End | 20.3 Plain End | 1.6 |
| P3821-04 | 75.7 | 2165 | 1892 | 1975 | 20.3 R/L Male | 20.3 R/L Bell | 1.6 |
| P3821-21 | 75.7 | 2165 | 1892 | 1975 | 20.3 Victaulic | 20.3 Victaulic | 2.4 |
| P3821-22 | 75.7 | 2165 | 1892 | 1975 | 20.3 Flange | 20.3 Flange | 2.4 |
| P3821-23 | 75.7 | 2165 | 1892 | 1975 | 20.3 Plain End | 20.3 Plain End | 2.4 |
| P3821-24 | 75.7 | 2165 | 1892 | 1975 | 20.3 R/L Male | 20.3 R/L Bell | 2.4 |
| P3850-01 | 110.4 | 3372 | 3061 | 3181 | 20.3 Victaulic | 20.3 Victaulic | 1.6 |
| P3850-02 | 110.4 | 3372 | 3061 | 3181 | 20.3 Flange | 20.3 Flange | 1.6 |
| P3850-03 | 110.4 | 3372 | 3061 | 3181 | 20.3 Plain End | 20.3 Plain End | 1.6 |
| P3850-04 | 110.4 | 3372 | 3061 | 3181 | 20.3 R/L Male | 20.3 R/L Bell | 1.6 |
| P3850-11 | 110.4 | 3372 | 3061 | 3181 | 20.3 Victaulic | 20.3 Victaulic | 2.38 |
| P3850-12 | 110.4 | 3372 | 3061 | 3181 | 20.3 Flange | 20.3 Flange | 2.38 |
| P3850-13 | 110.4 | 3372 | 3061 | 3181 | 20.3 Plain End | 20.3 Plain End | 2.38 |
| P3850-14 | 110.4 | 3372 | 3061 | 3181 | 20.3 R/L Male | 20.3 R/L Bell | 2.38 |



Valves & Castings, Inc.

Specifications subject to change without notice.

Fresno Valves & Castings, Inc.
 7736 East Springfield Avenue
 P.O. Box 40, Selma, CA 93662, U.S.A.
 (800) 333-1658
 www.fresnovalves.com

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