

C+ Series Automatic Hydraulic Suction Scanning Screen Filters

Lightweight, Compact and Easy To Service

The C+ Series (clamp-style) horizontal and vertical are an extension of our hydraulic suction scanning filters filter line. Rain Bird's C+ Series are offered in both horizontal models that have a parallel flange configuration and vertical models that have a 90° flange configuration, to accommodate simple installation.

C+ Series horizontal water horizontal filters utilize a two-stage screening process. The initial stage consists of a coarse screen for removal of oversized contaminants, while the second stage removes remaining particles, achieving filtration to your specified level. The filter's backwashing system produces a concentrated high velocity flow to systematically clean the fine sintered screen of any entrapped contaminants. (Note: C+ Series vertical filters only have the fine sintered screen to fit in even tighter spaces).

The C+ models offer the following benefits:

- Compact
- Cost effective
- Lightweight
- Low flush volumes

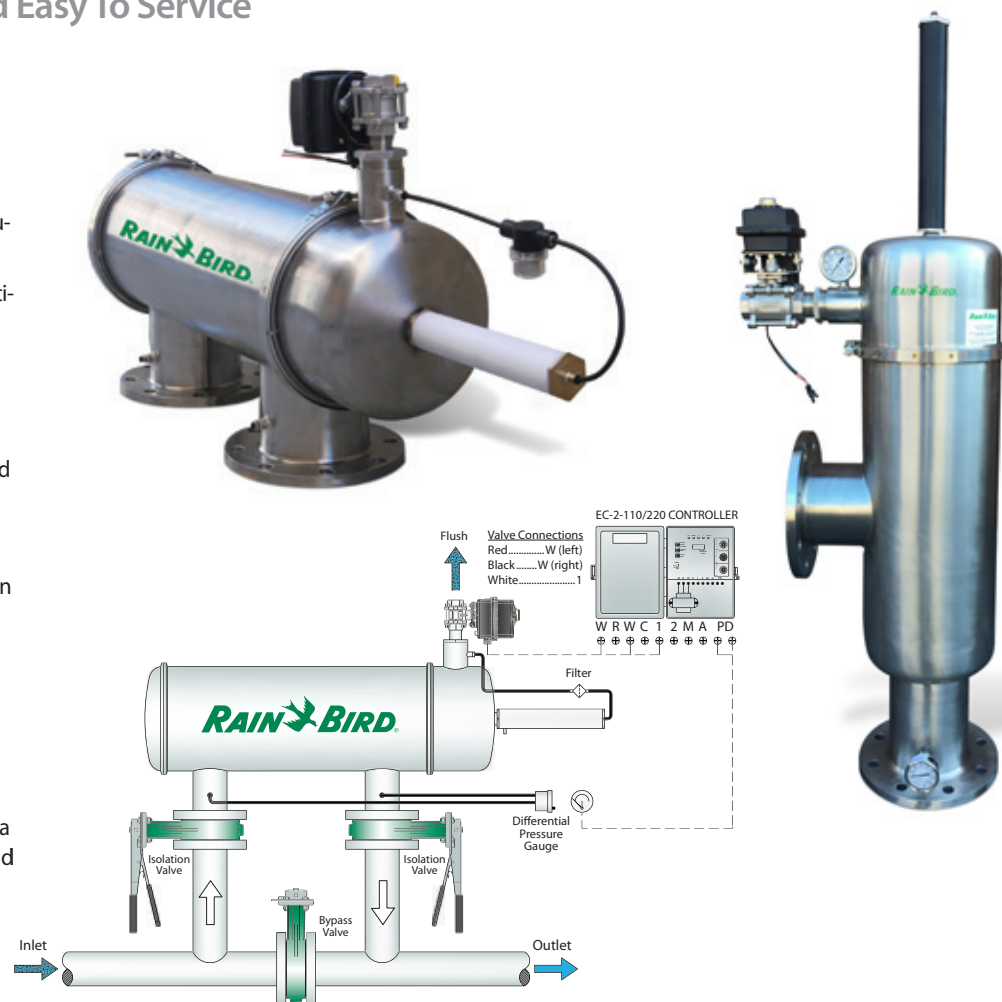
Models are available as a filter unit only, or as a filter assembly including bypass plumbing and valves for fast and easy installation on site.

Typical Micron Sizing:

- Drip 80-100 micron (200-150 mesh)
- Micro sprinklers (jets) 150-200 micron (100- 80 mesh)
- Impact sprinklers and rotors 200-400 micron (40-80 mesh)

Water Quality

Good: TSS ≤ 20 mg/L (ppm)
 Fair: TSS ≤ 40 mg/L (ppm)
 Poor: TSS ≤ 80 mg/L (ppm)
 Bad: TSS ≤ 110 mg/L (ppm)



Features

- Configuration: Horizontal and Vertical
- Service Access: Clamp
- Flow Rates: 15 – 1,000 gpm
- Flush Valve Size: 1" and 1½"
- Standard Screen/Opening: 316 stainless steel sintered screen 100µ, 120 µ, 150µ, 200µ, 300µ, 400µ, 500µ, 800µ and 1000µ
- Temperature: 210° F
- Flush Volume: 1 – 10 gallons per backwash
- Working Pressure: 35 – 150 psi
- Flush Cycle Duration: 2 – 16 seconds
- Standard Controller Options:
 - F2-DCL 9V Controller with hydraulic rinse valve.
 - F2-AC Controller with electric rinse valve.
- Material: Standard 304 Stainless Steel or Duplex Alloy
 - Optional: 316 stainless steel priced upon request
- Custom bypass manifold priced upon request.



Horizontal C+ Series Models Performance Data

Line Size (in)	Stainless Steel Model Number	Sintered Screen Area (in ²)					Micron		Flush Volume (GPM)	Rinse Duration (Seconds)	Flush Line Size (in)	Minimum Inlet Pressure During Rinse Cycle (PSI)
			300	200	120	100	50	75				
			50	75	125	140	Mesh	Mesh				
			Std. Flow Rate (GPM)									
2	HS-IC-02-A-S	432	200	200	200	200	4 to 8	4 to 8	1	35		
3	HS-IC-02-B-S	576	200	200	200	200	6 to 10	10 to 16	1.5	35		
4	HS-IC-02-C-S	720	200	200	200	200	6 to 10	10 to 16	1.5	35		
6	HS-IC-03-A-S	432	300	300	300	300	4 to 8	4 to 8	1	35		
2	HS-IC-03-B-S	576	300	300	300	300	6 to 10	10 to 16	1.5	35		
3	HS-IC-03-C-S	720	300	300	300	300	6 to 10	10 to 16	1.5	35		
4	HS-IC-04-A-S	432	500	500	500	500	4 to 8	4 to 8	1	35		
6	HS-IC-04-B-S	576	500	500	500	500	6 to 10	10 to 16	1.5	35		
8	HS-IC-04-C-S	720	500	500	500	500	6 to 10	10 to 16	1.5	35		
2	HS-IC-06-A-S	432	600	600	600	600	4 to 8	4 to 8	1.5	35		
3	HS-IC-06-B-S	576	1000	1000	960	920	6 to 10	10 to 16	1.5	35		
4	HS-IC-06-C-S	720	1000	1000	1000	1000	6 to 10	10 to 16	1.5	35		
5	HS-IC-08-B-S	576	1200	1100	960	920	6 to 10	10 to 16	1.5	35		
8	HS-IC-08-C-S	720	1500	1375	1200	1150	6 to 10	10 to 16	1.5	35		
10	HS-IC-10-C-S	720	1500	1375	1200	1150	6 to 10	10 to 16	1.5	35		

Verticle C+ Series Models Performance Data

Line Size (in)	Stainless Steel Model Number	Sintered Screen Area (in ²)					Micron		Flush Volume (GPM)	Rinse Duration (Seconds)	Flush Line Size (in)	Minimum Inlet Pressure During Rinse Cycle (PSI)
			300	200	120	100	50	75				
			50	75	125	140	Mesh	Mesh				
			Std. Flow Rate (GPM)									
0.75	HS-GC-075-M-S	58	50	50	50	50	1 to 4	2 to 6	1	35		
1	HS-GC-01-M-S	58	75	75	75	75	1 to 4	2 to 6	1	35		
1	HS-GC-01-A-S	144	75	75	75	75	1 to 4	2 to 6	1	35		
1.5	HS-GC-015-M-S	58	100	96	85	80	1 to 4	2 to 6	1	35		
1.5	HS-GC-015-ML-S	144	150	150	150	150	3 to 5	4 to 8	1	35		
1.5	HS-GC-015-A-S	144	150	150	150	150	4 to 8	4 to 8	1	35		
2	HS-GC-02-M-S	58	100	96	85	80	1 to 4	2 to 6	1	35		
2	HS-GC-02-ML-S	144	200	200	200	200	3 to 5	4 to 8	1	35		
2	HS-GC-02-A-S	144	200	200	200	200	4 to 8	4 to 8	1	35		
2	HS-GC-02-B-S	288	200	200	200	200	4 to 8	4 to 8	1	35		
2	HS-GC-02-C-S	432	200	200	200	200	4 to 8	4 to 8	1	35		
3	HS-GC-03-ML-S	144	300	275	240	230	3 to 5	4 to 8	1	35		
3	HS-GC-03-A-S	144	200	200	200	200	4 to 8	4 to 8	1	35		
3	HS-GC-03-B-S	288	300	300	300	300	4 to 8	4 to 8	1	35		
3	HS-GC-03-C-S	432	300	300	300	300	4 to 8	4 to 8	1	35		
4	HS-GC-04-ML-S	144	300	275	240	230	3 to 5	4 to 8	1	35		
4	HS-GC-04-B-S	288	400	400	400	400	4 to 8	4 to 8	1	35		
4	HS-GC-04-C-S	432	500	500	500	500	4 to 8	4 to 8	1	35		
4	HS-GC-04-L-S	576	500	500	500	500	6 to 10	10 to 16	1.5	35		
4	HS-GC-04-X-S	720	500	500	500	500	6 to 10	10 to 16	1.5	35		
6	HS-GC-06-C-S	432	600	600	600	600	4 to 8	4 to 8	1	35		
6	HS-GC-06-L-S	576	1000	1000	960	920	6 to 10	10 to 16	1.5	35		
6	HS-GC-06-X-S	720	1000	1000	1000	1000	6 to 10	10 to 16	1.5	35		
8	HS-GC-08-C-S	432	600	600	600	600	4 to 8	4 to 8	1	35		
8	HS-GC-08-X-S	720	1500	1375	1200	1150	6 to 10	10 to 16	1.5	35		
10	HS-GC-10-X-S	720	1500	1375	1200	1150	6 to 10	10 to 16	1.5	35		

Flow rates shown above are based on water quality of 25 PPM or better (good water quality).
 For water with particulate load greater than 25 PPM please consult Rain Bird for appropriate flow de-rating.
 Drawings of standard filter models listed above are available on www.rainbird.com

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The Intelligent Use of Water™
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