

PERFORMANCE DATA: galaxi Block

CARTRIDGE DIMENSIONS

OD	ID	LENGTH *
40mm	17mm	186mm

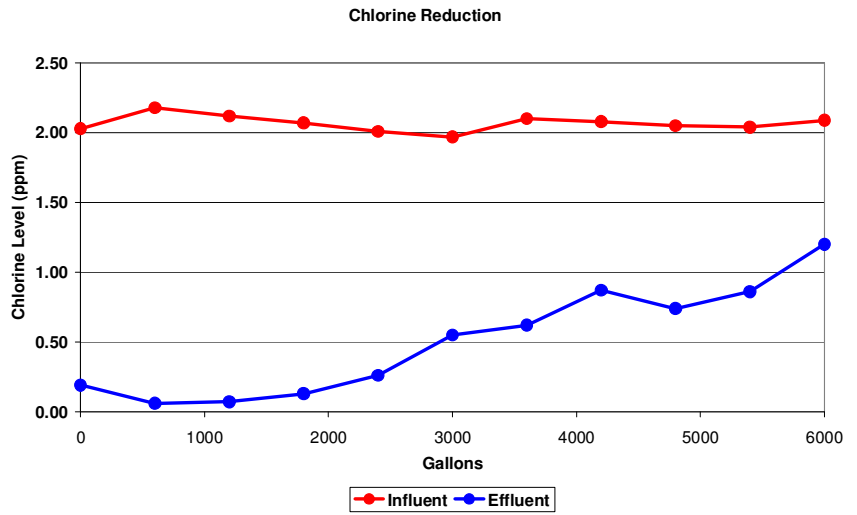
* WITH ONE CLOSED END

CHLORINE REDUCTION

Capacity (gallons)	Influent Concentration (ppm)	Effluent Concentration (ppm)
0	2.03	0.19
600	2.18	0.06
1200	2.12	0.07
1800	2.07	0.13
2400	2.01	0.26
3000	1.97	0.55
3600	2.10	0.62
4200	2.08	0.87
4800	2.05	0.74
5400	2.04	0.86
6000	2.09	1.20

Testing Conditions

Flowrate: 0.50 gpm
 Breakthrough: 1.00 ppm
 Cycle: 50-50
 Temperature: 68 - 72°F
 Detection Limit: 0.04 ppm



PARTICULATE REDUCTION

Testing Conditions

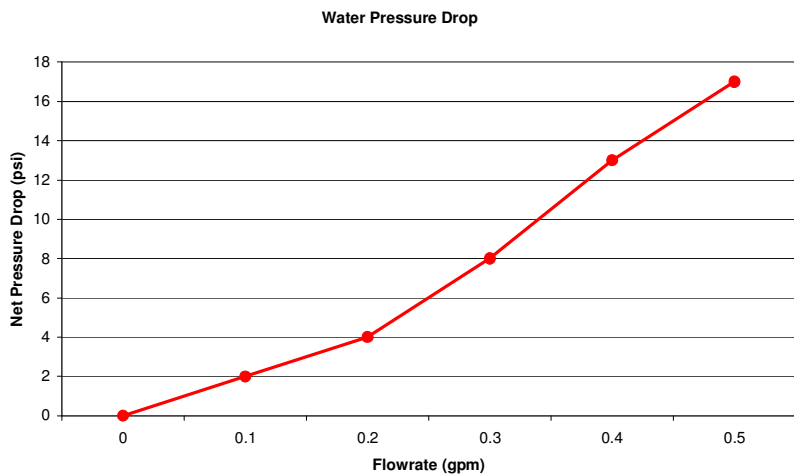
Flowrate: 0.50 gpm
 Cycle: 50-50
 Test Dust: AC Fine Test Dust
 Particulate Counter: Hiac/Royco S9703
 HRLD-150 Sensor

Flow Reduction (µm)	Efficiency vs Flow Reduction			Status
	1%	25%	50%	
Class I: (0.5 to 0.9µm)	99.5	99.9	> 99.9	Passed
Class II: (1.0 to 4.9µm)	99.67	> 99.9	> 99.9	Passed
Class III: (5.0 to 14.9µm)	> 99.9	> 99.9	> 99.9	Passed
Class IV: (15 to 29.9µm)	> 99.9	> 99.9	> 99.9	Passed

Note: Particulate test requires 85% minimum to pass

PRESSURE DROP

Flowrate (gpm)	Water ΔP (psi) Avg 4 filters
0	0
0.1	2
0.2	4
0.3	8
0.4	13
0.5	17

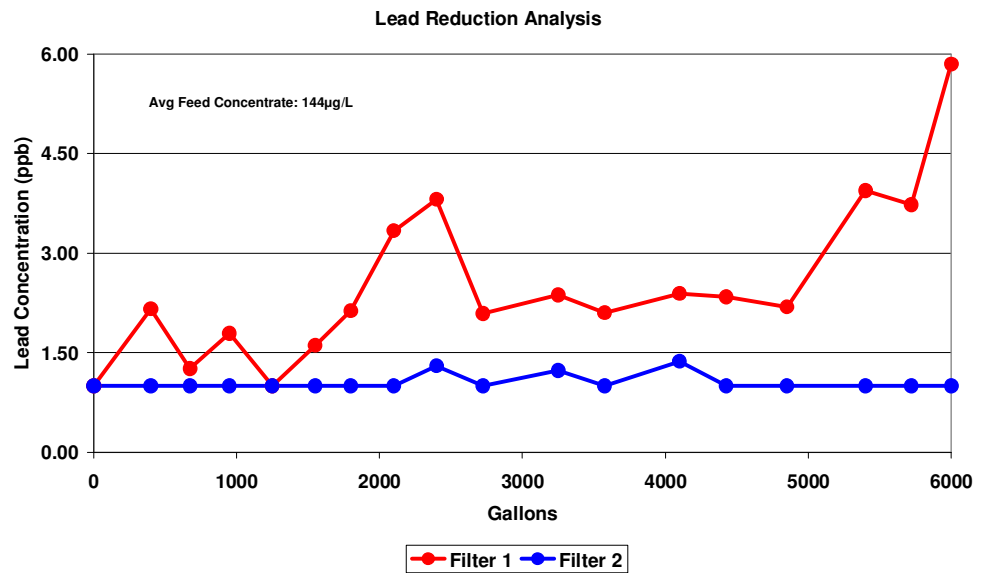


LEAD REDUCTION

Capacity (gallons)	FILTER 1 (ppb)	FILTER 2 (ppb)
2	1.00	1.00
400	2.16	1.00
675	1.26	1.00
950	1.79	1.00
1250	1.00	1.00
1550	1.61	1.00
1800	2.13	1.00
2100	3.34	1.00
2400	3.81	1.30
2725	2.09	1.00
3250	2.37	1.23
3575	2.10	1.00
4100	2.39	1.37
4425	2.34	1.00
4850	2.19	1.00
5400	3.94	1.00
5720	3.73	1.00
6000	5.85	1.00

Testing Conditions

Flowrate: 0.50 gpm
 Cycle: 50-50
 Test Stand: 1
 Target Feed: 150 µg/L
 Breakthrough: 10 µg/L



CYST REDUCTION

Microspheres	Influent Counts Filter 7 (Spheres/L)	Influent Counts Filter 8 (Spheres/L)	Pressure System Inlet (psi)	Effluent Counts Filter 7 (Spheres/L)	Total Gallons Filter 7	Effluent Counts Filter 8 (Spheres/L)	Total Gallons Filter 8	Flowrate Filter 7 (gpm)	Flowrate Filter 8 (gpm)	% Reduction Filter 7	% Reduction Filter 8
Cycle #8	77500	77500	60	0	115.7	0	108.2	1.6	1.49	100	100
25%	132500	132500	61	0	177.7	0	168.5	1.1	1.09	100	100
50%	94500	94500	62	0	226.3	0	217.6	0.77	0.77	100	100
75%	135000	135000	62	0	248.9	0	240	0.35	0.35	100	100

Testing Conditions

Initial Flow: 1.72 gpm & 1.53 gpm
 Cycle: 50-50
 Test Dust: Nominal 0 to 5µm
 Sphere Conc: 3d/15L