

Aqua-Swirl™ Sizing Chart (English)

Aqua-Swirl™ Model	Swirl Chamber Diameter	Maximum Stub-Out Pipe Outer Diameter		Water Quality Treatment Flow ²	Oil/Debris Storage Capacity	Sediment Storage Capacity
	(ft.)	(in.)		(cfs)	(gal)	(ft ³)
		On/Offline	CFD ¹			
AS-2	2.50	8	12	1.1	37	10
AS-3	3.25	10	16	1.8	110	20
AS-4	4.25	12	18	3.2	190	32
AS-5	5.00	12	24	4.4	270	45
AS-6	6.00	14	30	6.3	390	65
AS-7	7.00	16	36	8.6	540	90
AS-8	8.00	18	42	11.2	710	115
AS-9	9.00	20	48	14.2	910	145
AS-10	10.0	22	48	17.5	1130	180
AS-12	12.0	24	48	25.2	1698	270
AS-XX*	Custom	--	--	>26	--	--

*Higher water quality treatment flow rates can be designed with multiple swirls.

- 1) The Aqua-Swirl™ Conveyance Flow Diversion (CFD) provides full treatment of the "first flush," while the peak design storm is diverted and channeled through the main conveyance pipe. Please refer to your local representative for more information.
- 2) Many regulatory agencies are establishing "water quality treatment flow rates" for their areas based on the initial movement of pollutants into the storm drainage system. The treatment flow rate of the Aqua-Swirl™ system is engineered to meet or exceed the local water quality treatment criteria. This "water quality treatment flow rate" typically represents approximately 90% to 95% of the total annual runoff volume.

The design and orientation of the Aqua-Swirl™ generally entails some degree of customization. Local regulations vary widely for the sizing of all stormwater quality treatment devices. Always consult your AquaShield representative for current sizing requirements for your area. You may find contact information for all AquaShield representatives at www.AquaShieldinc.com, or under the AquaShield tab of the technical manual. You may also contact AquaShield™ inc. at 1-888-344-9044. CAD details and specifications are available upon request.

AquaShield™ • 2705 Kanasita Dr. Chattanooga, TN 37343 • (888) 344-9044 • Fax: (423) 826-2112

2/11/2009 12:07:12

Aqua-Swirl™ Sizing Chart (Metric)

Aqua-Swirl™ Model	Swirl Chamber Diameter (mm.)	Maximum Stub-Out Pipe Outer Diameter (mm.)		Water Quality Treatment Flow ² (L/s)	Oil/Debris Storage Capacity (L)	Sediment Storage Capacity (m ³)
		On/Offline	CFD ¹			
AS-2	762	203	305	31	140	0.3
AS-3	991	254	406	51	416	0.6
AS-4	1295	305	457	91	719	0.9
AS-5	1524	305	610	125	1022	1.3
AS-6	1829	356	762	178	1476	1.8
AS-7	2134	406	914	243	2044	2.6
AS-8	2438	457	1067	317	2687	3.3
AS-9	2743	508	1219	402	3444	4.1
AS-10	3048	559	1219	495	4277	5.1
AS-12	3658	610	1219	713	6427	7.7
AS-XX*	Custom	--	--	>713	--	--

*Higher water quality treatment flow rates can be designed with multiple swirls.

- 1) The Aqua-Swirl™ Conveyance Flow Diversion (CFD) provides full treatment of the "first flush," while the peak design storm is diverted and channeled through the main conveyance pipe. Please refer to your local representative for more information.
- 2) Many regulatory agencies are establishing "water quality treatment flow rates" for their areas based on the initial movement of pollutants into the storm drainage system. The treatment flow rate of the Aqua-Swirl™ system is engineered to meet or exceed the local water quality treatment criteria. This "water quality treatment flow rate" typically represents approximately 90% to 95% of the total annual runoff volume.

The design and orientation of the Aqua-Swirl™ generally entails some degree of customization. Local regulations vary widely for the sizing of all stormwater quality treatment devices. Always consult your AquaShield representative for current sizing requirements for your area. You may find contact information for all AquaShield representatives at www.AquaShieldinc.com, or under the AquaShield tab of the technical manual. You may also contact AquaShield™ inc. at 1-888-344-9044. CAD details and specifications are available upon request.

AquaShield™ • 2705 Kanasita Dr. Chattanooga, TN 37343 • (888) 344-9044 • Fax: (423) 826-2112

2/11/2009 12:07:40