DATA SHEET

AQUA-FILTER™

PRODUCT DESCRIPTION : Treatment train, including a hydrodynamic separator and a treatment unit.

FUNCTION : System that maximizes the removal of Total Suspended Solids (TSS), nutrients, metals and hydrocarbons from surface runoff before it is conveyed to an outlet. The filtration treatment unit is always preceded by an AQUA-SWIRL hydrodynamic separator.



AQUA-FILTER

RAW MATERIALS : Made from high-density polyethylene (HDPE) ASTM D3350.

TECHNICAL DATA : Filtration treatment unit

Diameter : 1 800 mm (72 in)
Size of particles to control: from clay to medium silt (20 microns and over)
Installation: networked with or parallel to the storm water sewer system
Access risers diameters : 750 mm (30 in) and 900 mm (36 in)
Structural strength: CAN/CSA - S6 - (CL-625) and AASHTO (H-25 and HS-25)

TECHNICAL DATA TABLE
Filtration treatment unit

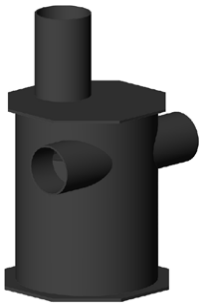
Model	Approx. total length includind the Aqua Swirl and 1,5 of piping		Maximum nom. dia. of the pipe connection pipe		Mass		Water Quality Flow	
	m	ft	mm	in	kg	lb	L/s	gal/s
AF-X.1	2,5	8,2	250	10	1198	2641	11,3	3,0
AF-X.2	3,1	10,2	250	10	1298	2862	22,7	6,0
AF-X.3	3,7	12,2	250	10	1534	3383	34,0	9,0
AF-X.4	4,3	14,2	300	12	1653	3644	45,3	12,0
AF-X.5	4,9	16,2	300	12	1821	4015	56,6	15,0
AF-X.6	5,5	18,2	300	12	1985	4376	68,0	18,0
AF-X.7	6,1	20,2	300	12	2153	4747	79,3	20,9
AF-X.8	6,8	22,2	300	12	2253	4968	90,6	23,9
AF-X.9	7,4	24,2	300	12	2503	5519	102	26,9
AF-X.10	8,0	26,2	300	12	2667	5880	113	29,9
AF-X.11	8,6	28,2	300	12	2835	6251	125	32,9
AF-X.12	9,2	30,2	300	12	3003	6622	136	35,9
AF-X.13	9,8	32,2	375	15	3171	6993	147	38,9
AF-X.14	10,4	34,2	375	15	3340	7364	159	41,9
AF-X.15	11,0	36,2	375	15	3526	7775	170	44,9
AF-X.16	11,6	38,2	375	15	3712	8186	181	47,9

Note 1 : Values in the table are approximate and may change without notice.
Note 2 : 12 bags per row.

DATA SHEET

AQUA-SWIRL™ (CONT'D)

TECHNICAL DATA : Hydrodynamic separator AQUA-SWIRL™
Diameters : 800 mm (32 in) to 3400 mm (136 in)
Height: The height of the unit and the riser are variable
Size of particles to control: from coarse silt to very coarse sand (60 microns and over)
Structural strength: CAN/CSA - S6 - (CL-625) and AASHTO (H-25 and HS-25)



AQUA-SWIRL

TECHNICAL DATA TABLE
Hydrodynamic separator

Model	Nom. dia. of the chamber		Ext. dia.of the chamber		Height of the chamber		Mass[1]		Oils and floating debris storage capacity		Sediment storage capacity		Warter Quality Flow[3]	
	mm	in	mm	in	mm	in	kg	lb	liters	gallons	m^3	ft^3	L/s	gal/s
AS-2	800	31,5	904	35,6	1524	60	144	318	140	37	0,3	10	8,1	2,1
AS-3	1000	39,4	1124	44,3	2642	104	390	860	416	110	0,6	20	15,5	4,1
AS-4	1400	55,1	1596	62,8	2642	104	567	1250	719	190	0,9	32	40,1	10,6
AS-5	1500	59,1	1705	67,1	2642	104	778	1715	1022	270	1,3	45	48,8	12,9
AS-6	1800	70,9	2015	79,3	2642 - 2794	104 - 110	1024	2257	1476	390	1,8	65	82,0	21,7
AS-7	2100	82,7	2357	92,8	2896 - 2946	114 - 116	1362	3002	2044	540	2,6	90	127	33,6
AS-8	2438	96,0	2686	106	2896 - 3099	114 - 122	1621	3574	2687	710	3,3	115	195	51,5
AS-9	2743	108	3035	120	2896 - 3251	114 - 128	2354	5190	3444	910	4,1	145	273	72,0
AS-10	3048	120	3341	132	2896 - 3251	114 - 128	2567	5660	4277	1130	5,1	180	368	97,2
AS-11	3454	136	3785	149	2896 - 3251	114 - 128	2937	6475	5383	1422	6,3	222	526	139

Note 1: Approximate minimum values based on the highest chamber available.
Note 2: Values in the table are approximate and may change without notice.
Note 3: Water quality flow according to GULD certification issued by the Washington State Department of Ecology.

APPLICATIONS : Control of TSS, nutrients, heavy metals and hydrocarbons.