

**METROPOLITAN GOVERNMENT OF  
NASHVILLE AND DAVIDSON COUNTY  
DEPARTMENT OF WATER AND SEWERAGE SERVICES  
STORMWATER DIVISION  
NASHVILLE, TENNESSEE**

**Proprietary Stormwater Quality Units Selection Guide  
For Pretreatment Applications**

(Check <http://www.nashville.gov/stormwater> for current Selection Guide)

**Table 1  
Rate Based Proprietary Stormwater Quality Units**

Please Note: All Stormwater Quality Units included in Table 1 are included as directed by Stormwater Management Manual - Volume 1, Section 7.6.3. Proprietary Stormwater Quality Units that were approved for full treatment for use in Metro prior to the 2006 revision shall continue to be accepted until further notice, but are converted to pretreatment status (i.e. 50% TSS removal). Eventually all units will be removed from the list unless applications meeting the requirements of the Stormwater Management Manual - Volume 1, Chapter 7, have been submitted and approved.

Manufactured Stormwater Quality Units	Stormwater Quality Unit Model Number	Maximum Treatment Flow Rate (cfs)
Vortech	1000	1.6
	2000	2.8
	3000	4.4
	4000	6.3
	5000	8.6
	7000	11.2
	9000	14.2
	11000	17.5
	16000	25.2
Vortsentry	VS30	0.46
	VS40	1.38
	VS50	2.43
	VS60	3.86
	VS70	6.53
	VS80	10
	VS100	14.53
	VS120	20.26

Stormceptor	STC450	0.283
	STC900	0.636
	STC1200	0.636
	STC1800	0.636
	STC2400	1.059
	STC3600	1.059
	STC4800	1.766
	STC6000	1.766
	STC7200	2.472
	STC11000	3.531
	STC13000	3.531
STC16000	4.944	
Suntree Baffle Box	4 X 8 X 84N	9
	6 X 12 X 84N	20
	8 X 16 X 96N	34
Crystal Stream	Model 646	3.54
	Model 956	7.38
	Model 1056	10.33
	Model 1266	14.16
	Model 1856	11.8
	Model 2056	14.75
Model 2466	21.24	
ADS Stormwater Unit	3620WQA	1.5
	3640WQA	3.2
	3620WQB	0.7
	3640WQB	1.6
	4220WQA	1.73
	4240WQA	3.66
	4220WQB	0.86
	4240WQB	1.83
	4820WQA	2.26
	4840WQA	4.78
	4820WQB	1.13
	4840WQB	2.39
	6020WQA	2.95
	6040WQA	6.23
6020WQB	1.47	
6040WQB	3.12	
Baysaver Technologies	1/2 k	1.1
	1 K	2.4
	3 K	7.2
	5 K	11
	10 K	21.8
Downstream Defender	4 - FT	3
	6 - FT	8
	8 - FT	15
	10 - FT	25

CDS Technologies	PMSU20_15_4	0.7
	PMSU20_15_5	0.7
	PMSU20_20_5	1.1
	PMSU20_25_6	1.6
	PMSU30_25_7	2.1
	PMSU30_30_8	2.8
	PMSU30_30_9	3.5
	PMSU40_30_10	4.4
	PMSU40_30_12	6.3
Aqua-Swirl	AS-2	1.1
	AS-3	1.8
	AS-4	3.2
	AS-5	4.4
	AS-6	6.3
	AS-7	8.6
	AS-8	11.2
	AS-9	14.2
	AS-10	17.5
AS-12	25.2	
Aqua-Filter	AF-3.1	1.8
	AF-4.2	3.2
	AF-5.3	4.4
	AF-6.5	6.3
	AF-7.6	8.6
	AF-8.8	11.2
	AF-9.10	14.2
	AF-10.12	17.5
Kristar	DVS-36	0.9
	DVS-48	1.6
	DVS-60	2.4
	DVS-72	3.5
	DVS-96	6.2