

City of Indianapolis Stormwater Quality Unit (SQU) Selection Guide

(Check
<http://www.indy.gov/eGov/City/DPW/Business/Specs/Pages/UpdatedStormWaterManual.aspx>
 for current Selection Guide)

Performance Matrix for Manufactured SQUs that are approved for use as post-construction water quality units in the City of Indianapolis and in compliance with the Stormwater Design and Construction Specifications Manual

PLEASE NOTE: All SQUs shall be configured as off-line units unless approved for on-line use. On-line units must document the peak 10-year flow (per the Stormwater Design and Construction Specification Manual) is less than the approved maximum 10-yr flow rate.

Rate Based SQUs - Table 1

Manufactured SQU	SQU System Model	Max Treatment Flow (cfs)	Max 10-yr On-Line Flow Rate (cfs)	Cleanout Depth (Inches)
SciClone ¹	SC-3	0.39	N/A	9
	SC-4	0.70	N/A	9
	SC-5	1.09	N/A	9
	SC-6	1.57	N/A	9
	SC-7	2.14	N/A	9
	SC-8	2.80	N/A	9
	SC-9	3.54	N/A	9
	SC-10	4.37	N/A	9
	SC-11	5.29	N/A	9
	SC-12	6.30	N/A	9
CDS Technologies ¹	CDS-3	0.52	1.04	9
	CDS-4	0.93	1.86	9
	CDS-5	1.5	3.00	9
	CDS-6	2.1	4.2	9
	CDS-7	2.8	5.60	9
	CDS-8	3.7	7.4	9
	CDS-10	5.8	11.6	9
	CDS-12	8.4	16.8	9
DVS ¹	DVS-36C	0.56	1.12	9
	DVS-48C	1.00	2.00	9
	DVS-60C	1.56	3.12	9
	DVS-72C	2.25	4.50	9
	DVS-84C	3.06	6.12	9
	DVS-96C	4.00	8.00	9
	DVS-120C	6.25	12.50	9
	DVS-144C	9.00	18.00	9

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Manufactured SQU	SQU System Model	Max Treatment Flow (cfs)	Max 10-yr On-Line Flow Rate (cfs)	Cleanout Depth (Inches)
Hydro International Downstream Defender¹	4-ft	1.12	2.95	9
	6-ft	2.52	6.63	12
	8-ft	4.49	11.81	15
	10-ft	7.00	18.40	18
	12 ft	10.08	26.51	21
Hydro International First Defense High Capacity¹	3-ft	0.85	1.84	9
	4-ft	1.5	3.24	9
	5-ft	2.35	5.08	9
	6-ft	3.38	7.30	9
	7-ft	4.60	9.94	9
	8-ft	6.00	12.96	9
HydroStorm by Hydroworks, LLC¹	HS-3	0.50	1.00	6
	HS-4	0.88	1.76	6
	HS-5	1.37	2.74	6
	HS-6	1.98	3.96	6
	HS-7	2.69	5.38	6
	HS-8	3.52	7.04	6
	HS-9	4.45	8.9	6
	HS-10	5.49	10.98	6
	HS-11	6.65	13.3	6
AquaShield Aqua-Swirl Xcelerator¹	XC-2	0.57	1.16	6
	XC-3	1.13	2.30	6
	XC-4	1.86	3.79	6
	XC-5	2.78	5.66	6
	XC-6	3.88	7.90	6
	XC-7	5.17	10.52	6
	XC-8	6.64	13.51	6
	XC-9	8.29	16.87	6
	XC-10	10.13	20.62	6
	XC-11	12.15	24.73	6
	XC-12	14.35	29.20	6
	XC-13	15.53	31.60	6
	Contech Cascade Separator	CS-4	1.80	4.03
CS-5		2.81	6.29	9
CS-6		4.05	9.07	9
CS-8		7.20	16.1	9
CS-10		11.3	25.3	9
CS-12		16.2	36.3	9

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Oldcastle NSBB-HVT	2-4	0.62	2.57	6
	3-6	1.4	5.80	6
	3-8	1.87	7.75	6
	4-8	2.49	10.31	6
	5-10	3.89	16.11	6
	6-12	5.6	23.19	6
	6-13.75	6.42	26.59	6
	7-14	7.62	31.56	6
	7-15	8.17	33.84	6
	8-14	8.71	36.08	6
	8-16	9.96	41.25	6
	9-18	12.6	52.19	6
	10-17	13.22	54.76	6
	10-20	15.56	64.45	6
12-21	19.6	81.18	6	
12-24	22.4	92.78	6	
AquaShield Aqua Swirl	AS-2	0.36	0.73	7
	AS-3	0.71	1.44	7
	AS-4	1.18	2.39	7
	AS-5	1.46	2.96	7
	AS-6	2.11	4.28	7
	AS-7	2.87	5.82	7
	AS-8	3.74	7.59	7
	AS-9	4.73	9.59	7
	AS-10	5.84	11.84	7
	AS-11	7.07	14.34	7
	AS-12	8.42	17.08	7
	AS-13	9.87	20.02	7
	ADS Barracuda	S3	0.70	1.40
S4		1.25	2.50	10
S5		1.95	3.90	10
S6		2.80	5.60	10
S8		5.00	10.00	10
S10		7.80	15.60	10

¹ Installed in the configuration as reviewed by NJCAT only