11/1

24"

% flow	C	D^2	(A) ft^2	4000 GPM (V) ft/sec	3000 GPM V ft/sec
100%	0.785	4	3.14	2.84	2.13
95	0.77		3.08	2.89	2.17
90	0.745		2.98	2.99	2.24
85	0.715		2.86	3.12	2.34
80	0.675		2.70	3.30	2.47
75	0.632		2.53	3.52	2.64

at 4000 GPM $Q = 8.91\ ft^3/sec$

3000 GPM / 448.83 = $6.68\ ft^3/sec$

16" 1/2 = 1.6 ft/sec

3/5 = 2.9 ft/sec ← Design for Isokinetic Sampling at 24"

DSW 296230