

Intake Screen Selection

1. Determine how much water in **gallons-per minute** your system must produce. This will tell you the diameter of the screen.
2. Make adjustments in screen size according to the slot opening size you'll be using. The smaller the slot, the bigger the screen will have to be. We've developed "Adjustment Factors" for selected slot sizes to take this effect into account. (See Chart A)
3. Multiply your system's capacity in gallons-per-minute by the Adjustment Factor for the slot size you've chosen. This will give you a number we call the "Selector Guide."

4. Now see Chart B (Screen Selection). Find the model with a Selector Guide Number closest to -but not lower than -the one you've just computed. This is the model you need based on your chosen capacity and slot size. (Note that you can choose either a single drum-type screen or a two-screen Tee arrangement.)

Selector Guide No. = GPM X Adjustment Factor

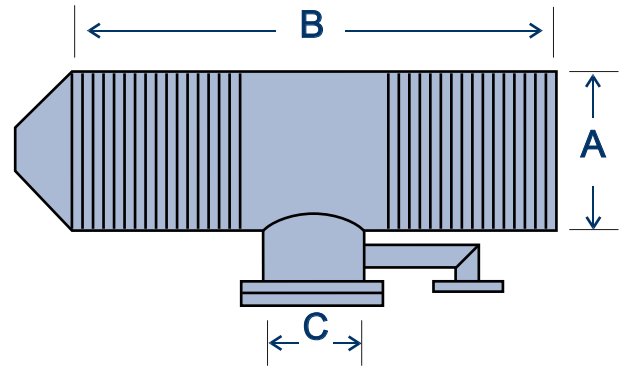
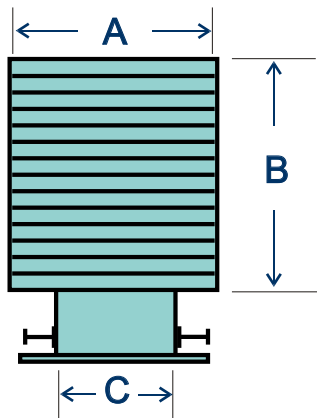


CHART A - ADJUSTMENT FACTORS

Slot	Adjustment Factor	Slot	Adjustment Factor	Slot	Adjustment Factor
.020	4.17	.090	1.64	.250	1.40
.030	3.09	.100	1.57	.280	1.34
.040	2.54	.130	1.44	.300	1.31
.050	2.21	.150	1.36	.350	1.26
.060	2.00	.180	1.29	.400	1.21
.070	1.84	.200	1.51	.450	1.19
.080	1.73	.230	1.44		

DRUM SCREEN ASSEMBLIES

CHART B - SCREEN SELECTION

TEE-SCREEN ASSEMBLIES

Selector Guide No.	A (Inches)	B (Inches)	C (Inches)	Min. Depth D (Feet)	Air BW Inlet Diam.
450-S	12	14	6	2.00	1.0
800-S	16	18	8	2.67	1.5
1010-S	18	20	10	3.00	1.5
1380-S	21	23	12	3.50	1.5
1800-S	24	26	12	4.00	2.0
2290-S	27	29	14	4.50	2.0
2820-S	30	32	16	5.00	2.0
3420-S	33	35	18	5.50	3.0
4070-S	36	38	18	6.00	3.0
5540-S	42	48	24	7.00	4.0
7230-S	48	55	24	8.00	4.0
9160-S	54	62	30	9.00	6.0
11300-S	60	68	30	10.00	6.0
13680-S	66	76	36	11.00	-
16280-S	72	82	36	12.00	-
19110-S	78	89	42	13.00	-
22160-S	84	96	42	14.00	-

Selector Guide No.	A (Inches)	B (Inches)	C (Inches)	Min. Depth D (Feet)	Air BW Inlet Diam.
900-T	12	39	10	2.00	1.0
1600-T	16	51	12	2.67	1.5
2030-T	18	57	14	3.00	1.5
2770-T	21	66	16	3.50	2.0
3610-T	24	75	18	4.00	2.0
4580-T	27	84	20	4.50	2.0
5650-T	30	93	24	5.00	3.0
6840-T	33	102	24	5.50	3.0
8140-T	36	111	30	6.00	3.0
11080-T	42	139	30	7.00	4.0
14470-T	48	159	36	8.00	4.0
18320-T	54	179	36	9.00	6.0
22610-T	60	199	42	10.00	6.0
27360-T	66	218	48	11.00	-
32570-T	72	237	48	12.00	-
38220-T	78	256	54	13.00	-
44330-T	84	275	60	14.00	-