

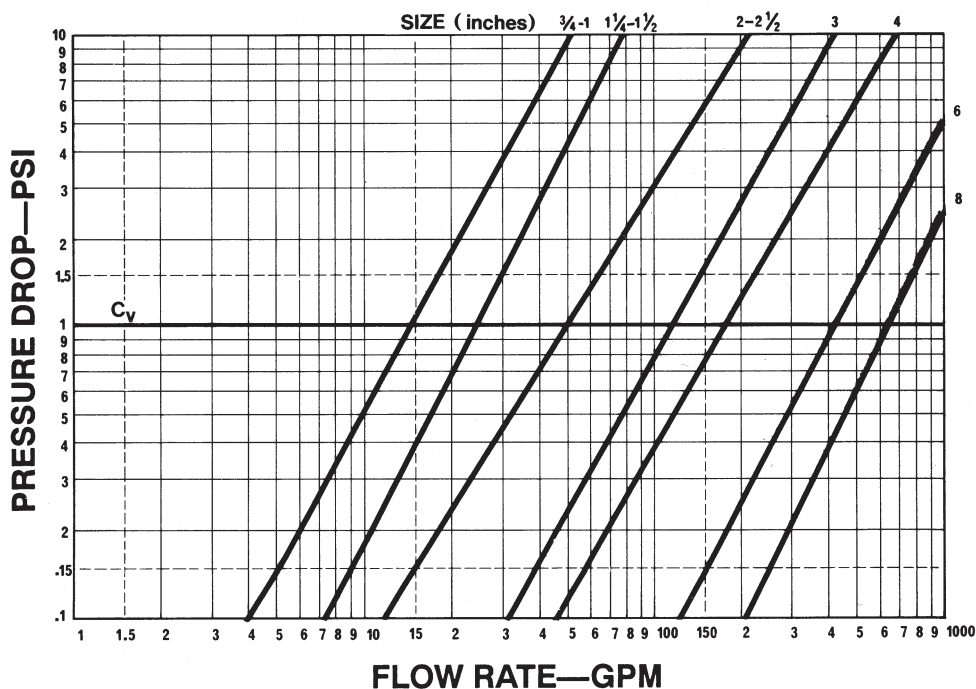
RATIOS: Net Free Area To Pipe Area

STANDARD PERFORATIONS AND WIRE MESH*

STRAINER SIZE (ALL STYLES)	TOTAL SCREEN AREA (SQ. IN.)	INSIDE AREA PIPE (SQ. IN.)	.033	.045	.0625	.094	.125	.1875	.250	20	40	60	80	100	SIZE
			$\frac{1}{32}$	$\frac{3}{64}$	$\frac{1}{16}$	$\frac{3}{32}$	$\frac{1}{8}$	$\frac{3}{16}$	$\frac{1}{4}$	Mesh	Mesh	Mesh	Mesh	Mesh	
$\frac{3}{4}$	29	.533	15.78	17.96	16.32	19.59	23.40	27.75	31.56	12.12	8.42	7.14	7.37	8.42	$\frac{3}{4}$
1	29	.864	9.73	11.08	10.07	12.08	14.43	17.12	19.47	7.48	5.19	4.40	4.55	5.19	1
1 $\frac{1}{4}$	42	1.496	8.14	9.27	8.42	10.11	12.07	14.32	16.28	6.25	4.35	3.68	3.80	4.35	1 $\frac{1}{4}$
1 $\frac{1}{2}$	42	2.036	5.98	6.81	6.19	7.43	8.87	10.52	11.97	4.60	3.20	2.71	2.80	3.14	1 $\frac{1}{2}$
2	75	3.355	6.48	7.38	6.71	8.05	9.61	11.40	12.97	4.98	3.46	2.93	3.03	3.46	2
2 $\frac{1}{2}$	75	4.788	4.54	5.17	4.70	5.64	6.74	7.99	9.09	3.49	2.43	2.06	2.12	2.43	2 $\frac{1}{2}$
3	111	7.393	4.35	4.96	4.50	5.41	6.46	7.66	8.71	3.35	2.33	1.97	2.03	2.33	3
4	150	12.73	3.42	3.89	3.54	4.24	5.07	6.01	6.83	2.62	1.82	1.54	1.60	1.82	4
6	350	28.89	3.51	4.00	3.63	4.36	5.21	6.18	7.03	2.70	1.88	1.59	1.64	1.88	6
8	618	50.00	3.58	4.08	3.71	4.45	5.32	6.30	7.17	2.75	1.91	1.62	1.67	1.91	8
% OPEN AREA			29%	33%	30%	36%	43%	51%	58%	51.8%	36%	30.5%	31.5%	36%	

*Wire mesh screens are reinforced with a $\frac{1}{8}$ " perforated sheet.

PRESSURE DROP CHART



NOTE:

These charts are based on flow of clean water through .125" perforated baskets. For multiplying factors for clogged screens, see page 6.

CORRECTION FACTORS

(for mesh lined baskets):
Multiply pressure drops shown in chart at left by the following:

- 40 mesh x 1.2
- 60 mesh x 1.4
- 80 mesh x 1.6
- 100 mesh x 1.7