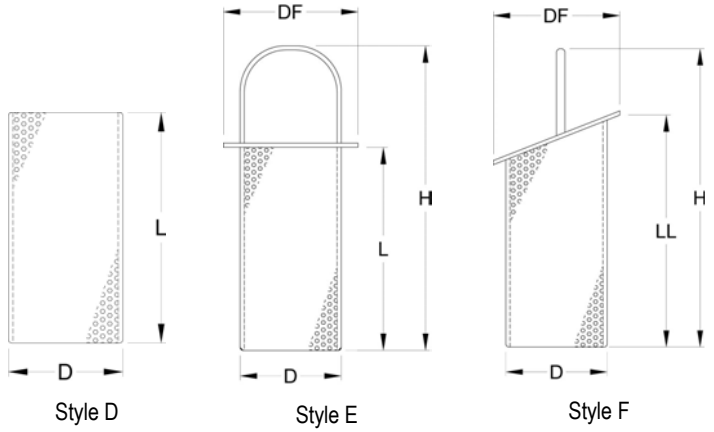
REPLACEMENT SCREENS



SPECIFY:

- **Style**
- **Material**
- **Perforations and Mesh (If liner is required)**
- **All Lettered Dimensions Shown**

OPENING RATIOS

The following steps should be taken to determine the ratio of openings through strainer screens to the area of the inlet pipe size.

1. Determine the size of mesh or perforation required to give the desired particle retention
2. Multiply the total area of the screen by the percent of open area of the perforation or mesh material. The result is the open area of the screen
3. The open area of the screen divided by the area of the pipe will give the ratio of open area of the screen to the area of the pipe
4. To determine the ratio of open area to the pipe on mesh lined reinforcing screens, complete step two (2) to find the open area of the mesh. Multiply the open area of the mesh by the percent of open area of the reinforcing material. The result divided by the area of the pipe will be the ratio of open area of the screen to the area of the pipe.

STRAINER SCREEN DATA

Our strainer screens are made in a variety of perforations and mesh openings to best suit the application. Standard material is 304 stainless steel. Other screen materials are available upon request

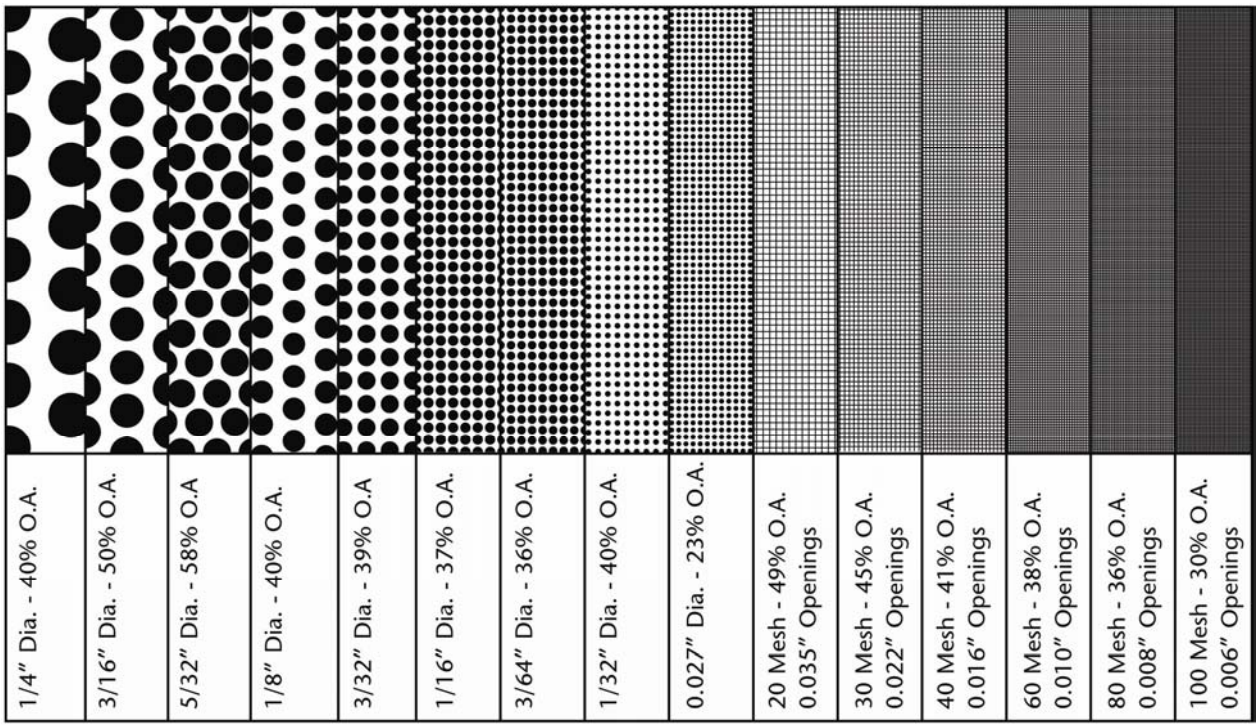
When screens are constructed of very fine mesh wire cloth they are reinforced with a rigid outer shell of perforated sheet. Perforated sheets are made of sheet stainless steel, the thickness of which is not greater than half the size of the perforations.

AREA OF SCHEDULE #40 PIPE

Inches	Pipe Size Area
1/2	0.304
3/4	0.533
1	0.864
1-1/4	1.495
1-1/2	2.036

Inches	Pipe Size Area
2	3.355
2-1/2	4.788
3	7.393
4	12.73
5	20.01

Inches	Pipe Size Area
6	28.89
8	50.03
10	78.86
12	111.93
14	135.28



Particle Size Comparison and Conversion Chart

Mesh	Inches	Microns
3250	0.0002	6
1600	0.0005	14
750	0.0010	25
325	0.0016	40
250	0.0024	62
200	0.0029	74
180	0.0033	85
170	0.0035	90
160	0.0038	97
150	0.0041	100
140	0.0042	108

Mesh	Inches	Microns
130	0.0043	110
120	0.0046	118
110	0.0051	131
100	0.0055	149
90	0.0061	156
80	0.0070	179
70	0.0078	200
60	0.0092	238
50	0.0117	300
40	0.015	385
30	0.020	513

Mesh	Inches	Microns
24	0.028	718
20	0.034	872
18	0.039	1000
16	0.045	1154
14	0.051	1308
12	0.060	1538
10	0.075	1923
8	0.097	2488
6	0.132	3385
5	0.159	4077
4	0.203	5205