



Standard Sanitary Flat Screen Mesh and Sock Screen Mesh Comparative Data

Mesh Configuration Flat Screen versus Sock Screen												
Pipe Size	Sock Tube Size	10 Mesh	16 Mesh	20 Mesh	30 Mesh	40 Mesh	50 Mesh	80 Mesh**	100 Mesh**	120 Mesh**	200 Mesh**	325 Mesh**
1 1/2" Sanitary TC	1" Diameter											
	6" Long											
Flat Screen Open Area in ²		0.84	0.75	0.69	0.61	0.54	0.45	0.35	0.33	0.34	0.37	0.34
Sock Screen Open Area in ²		11.89	10.71	9.76	8.62	7.6	6.4	4.97	4.75	4.83	5.32	4.83

Mesh Configuration Flat Screen versus Sock Screen												
Pipe Size	Sock Tube Size	10 Mesh	16 Mesh	20 Mesh	30 Mesh	40 Mesh	50 Mesh	80 Mesh**	100 Mesh**	120 Mesh**	200 Mesh**	325 Mesh**
2" Sanitary TC	1" Diameter											
	6" Long											
Flat Screen Open Area in ²		1.56	1.4	1.28	1.13	0.99	0.84	0.65	0.62	0.63	0.7	0.63
Sock Screen Open Area in ²		12.61	11.35	10.35	9.14	8.06	6.79	5.27	5.04	5.12	5.64	5.12

Mesh Configuration Flat Screen versus Sock Screen												
Pipe Size	Sock Tube Size	10 Mesh	16 Mesh	20 Mesh	30 Mesh	40 Mesh*	50 Mesh*	80 Mesh**	100 Mesh**	120 Mesh**	200 Mesh**	325 Mesh**
2 1/2" Sanitary TC	1 1/2" Diameter											
	6" Long											
Flat Screen Open Area in ²		2.49	2.25	2.05	1.81	1.6	1.34	1.04	1	1.35	1.12	1.01
Sock Screen Open Area in ²		19.41	17.48	15.93	14.06	12.41	10.44	8.12	7.76	7.88	8.69	7.88

Mesh Configuration Flat Screen versus Sock Screen												
Pipe Size	Sock Tube Size	10 Mesh	16 Mesh	20 Mesh	30 Mesh*	40 Mesh*	50 Mesh*	80 Mesh**	100 Mesh**	120 Mesh**	200 Mesh**	325 Mesh**
3" Sanitary TC	2" Diameter											
	6" Long											
Flat Screen Open Area in ²		3.66	3.29	3	2.65	2.34	1.97	1.53	1.46	1.49	1.64	1.49
Sock Screen Open Area in ²		29.3	26.39	24.04	21.23	18.74	15.77	12.26	11.71	11.9	13.11	11.9

Mesh Configuration Flat Screen versus Sock Screen												
Pipe Size	Sock Tube Size	10 Mesh	16 Mesh	20 Mesh	30 Mesh*	40 Mesh*	50 Mesh*	80 Mesh**	100 Mesh**	120 Mesh**	200 Mesh**	325 Mesh**
4" Sanitary TC	2 3/4" Diameter											
	6" Long											
Flat Screen Open Area in ²		6.64	5.98	5.45	4.81	4.25	3.57	2.78	2.65	2.7	2.97	2.7
Sock Screen Open Area in ²		39.16	35.27	32.14	28.38	25.04	21.08	16.38	15.65	15.91	17.53	15.91

* Denotes the fact that the flange on the indicated strainers will be reinforced using a stiffer mesh to increase strength.

** Sintered mesh open area is an estimated value and not to be used for design purposes.