

MODEL 510 MULTI-BASKET STRAINER

Sizes 8" to 36" • Iron or Carbon Steel • Flanged

Compact Design



Features:

- Four baskets per strainer
- Bolted cover
- Straight through flow design
- Compact
- Threaded drain
- Standard perforated stainless steel basket

Options:

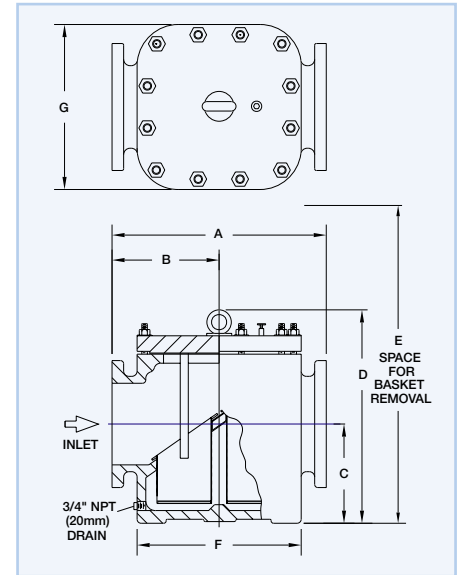
- Basket perforations from 1/32" to 1/2"
- Basket mesh from 20 to 400
- Monel baskets
- Vent valves
- Drain valves
- 1/4" NPT taps
- Basket flange gaskets
- Cover lift davit
- Bronze or stainless steel construction
- Magnetic basket inserts
- Pressure differential gauges and switches

The Model 510 Simplex Strainer is designed for larger piping systems having flow rates up to 40,000 gpm. Unlike other large size simplex strainers the Model 510 has a multi-basket design. Four strainer baskets per unit strain the process media and give the strainer an extremely high dirt removal capability – an important consideration in larger size strainers that, because of their size and design, take longer for basket cleaning or change out. The longer the strainer stays in service between cleaning, the less expensive its operating costs.

To reduce the pressure loss to an absolute minimum the Model 510 has a straight through flow configuration. This is made possible by a unique basket design that incorporates a slanted top to permit straight through flow.

The use of four baskets, rather than one or two, helps to keep operating costs low because the overall size of each basket can be smaller. This means that cleaning is a one person job. Two or more operators, or lifting tackle, are not needed to lift the baskets out of the strainer housing. To make this job even easier and quicker the Model 510 can be ordered with a special cover lifting davit with which the operator can raise the strainer cover and swing it out of the way for access to the strainer baskets. The four basket design of the Model 510 provides an additional benefit as well: the centerline to bottom and centerline to top dimension of the strainer are very short – creating a low-profile design that is ideally suited for installation in cramped quarters.

For large size piping systems with high flow rates the Model 510 offers significant advantages over ordinary large size strainers...advantages that will improve performance and reduce operating costs over the life of the strainer.



Dimensions (in / mm)

Pipe Size	A	B	C	D	E	F	G	Dry Wt lb / kg	
								Iron	Bronze
8	23.35 / 591	11.63 / 295	9.13 / 232	20.13 / 511	38 / 965	18.00 / 457	18.50 / 470	547 / 249	684 / 311
10	26.13 / 664	13.06 / 332	11.38 / 289	23.75 / 603	44 / 1118	20.25 / 514	21.00 / 533	730 / 332	914 / 415
12	29.00 / 737	14.50 / 368	14.63 / 372	28.38 / 721	52 / 1321	22.25 / 565	22.75 / 578	1080 / 491	1353 / 615
14	30.50 / 775	15.25 / 387	16.75 / 425	31.25 / 794	60 / 1524	24.63 / 626	25.13 / 638	1360 / 618	1702 / 774
16	33.50 / 851	16.75 / 425	19.13 / 486	35.50 / 902	66 / 1676	27.13 / 689	27.75 / 705	1750 / 795	2191 / 996
20	44.75 / 1137	22.00 / 559	28.50 / 724	46.25 / 1175	88 / 2235	32.75 / 832	34.75 / 883	3330 / 1514	4169 / 1895
24	44.38 / 1127	22.19 / 564	31.50 / 800	52.25 / 1327	98 / 2489	36.63 / 930	38.50 / 978	4550 / 2068	5697 / 2580
30	61.50 / 1562	30.75 / 781	41.63 / 1057	66.50 / 1689	125 / 3175	47.50 / 1207	47.50 / 1207	8880 / 4036	11117 / 5053
36	62.00 / 1575	31.00 / 787	41.63 / 1057	66.50 / 1689	125 / 3175	47.50 / 1207	47.50 / 1207	9700 / 4409	12144 / 5520

Dimensions and weights are for reference only. Contact us for certified drawings.

Selection Chart

Size	Material	End Connections *	Gasket	Pressure Rating
8" to 36"	Iron	Flanged 125#	Non-Asbestos	125 psi @ 100F
8" to 24"	Carbon Steel	Flanged 150#		150 psi @ 100F
8" to 16"		Flanged 300#		300 psi @ 100F

* DIN flanges available

C_v Factors*

Size	Value	Size	Value	Size	Value
8"	1600	14"	4800	24"	13000
10"	2500	16"	5800	30"	19000
12"	3500	20"	9000	36"	23000

* For water with clean, perforated basket