



# STEAM SPECIALTIES

## Flanged Strainers, Type "Y"

### APPLICATION

Type "Y" flanged strainers are applicable to all types of steam or hot water heating systems or chilled water cooling systems. They are equally suitable for condenser water systems or wherever the protection of control valves, pumps, or traps are involved. For operating pressures up to 125 PSI and sizes ranging from 2-1/2" to 8".



### FEATURES

#### Construction Features

**Body** — Manufactured of heavy duty cast iron for 125 PSI working pressure. Flanged connections. All sizes have bolted cover flange with tapped blow off opening. Plugs are furnished by others.

**Sieve** — The sieves are made from stainless steel sheet as standard. They can be furnished perforated monel or perforated brass sheet as an optional

extra. For steam applications this sieve is made with .045 diameter holes 225 per square inch, and is used on strainers through the 8" size. For water applications .057 diameter holes 144 per square inch are used through the 4" size and 1/8" diameter holes 32 per square inch in the larger sizes. For pressure drop curves see back side.

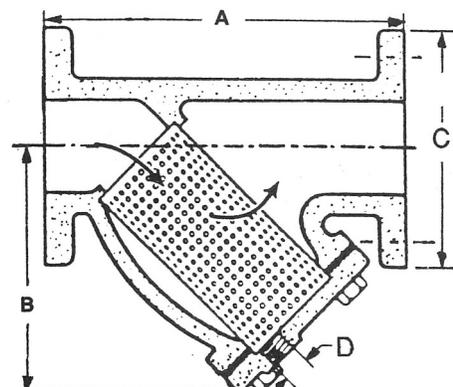
#### WORKING PRESSURES — NON SHOCK

Model	Size	Sat. Steam	Cold Water Oil, Gas
"Y"	2½" - 8"	125 PSI	200 PSI

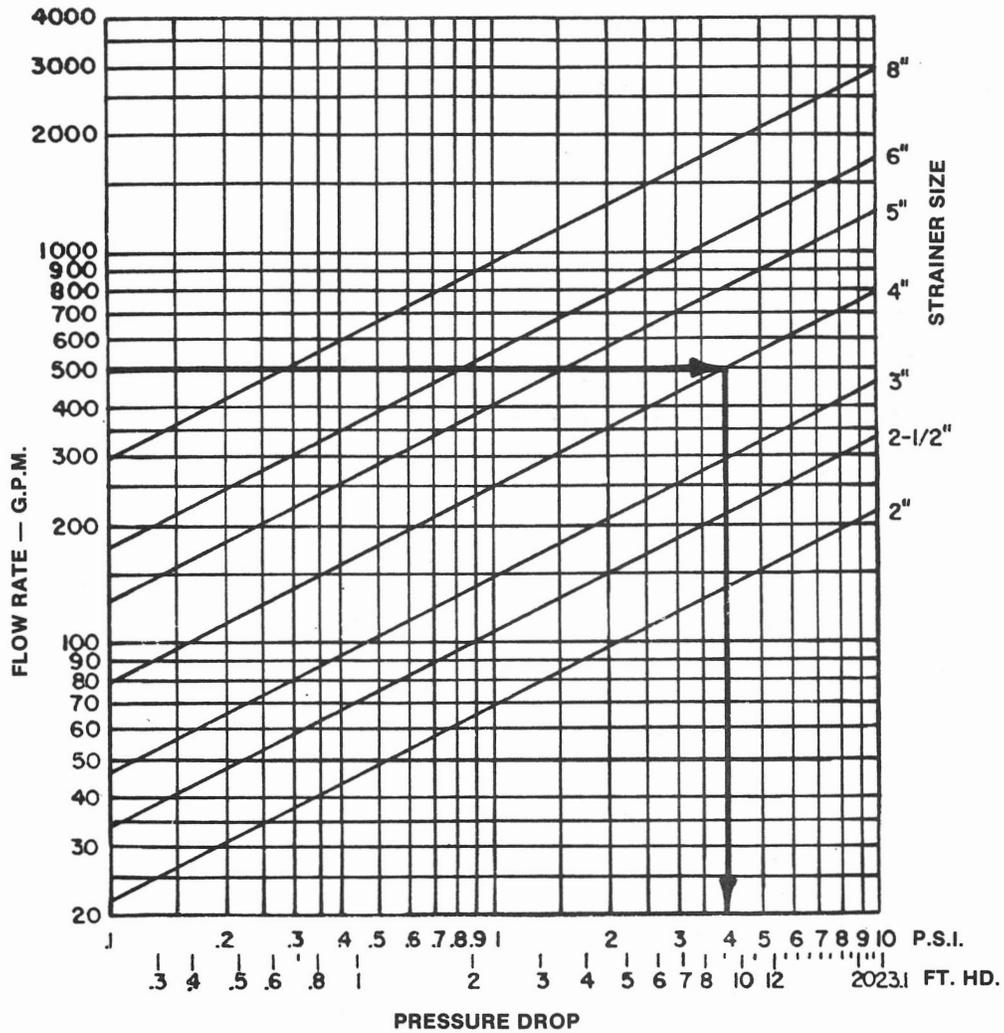
#### DIMENSIONS AND WEIGHTS

	2½"	3"	4"	5"	6"	8"
A	9¾	10 <sup>9</sup> / <sub>16</sub>	15	16¾	17¾	24¼
B	8¾	9¾	12 <sup>5</sup> / <sub>16</sub>	14½	15 <sup>5</sup> / <sub>16</sub>	17¾
C	7	7½	9	10	11	13½
D	1¼	1¼	2	2	2	2
Wt.	45	55	80	120	160	270
*B/C	5½	6	7½	8½	9½	11¼

\* Designates Bolt Circle (B/C)



## FLANGED "Y" TYPE STRAINERS



**Example:** To determine pressure drop thru a 4" strainer at 500 GPM, enter curve at 500 GPM, read horizontally to strainer size 4" and vertically down to pressure drop 4.0 PSI or 9.24 ft. head.

**Clogged Screens:** This chart represents the results of tests conducted with strainers containing clean screens. With screens 50% clogged pressure drop results are approximately double those shown in charts.

Meeting the standards of



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