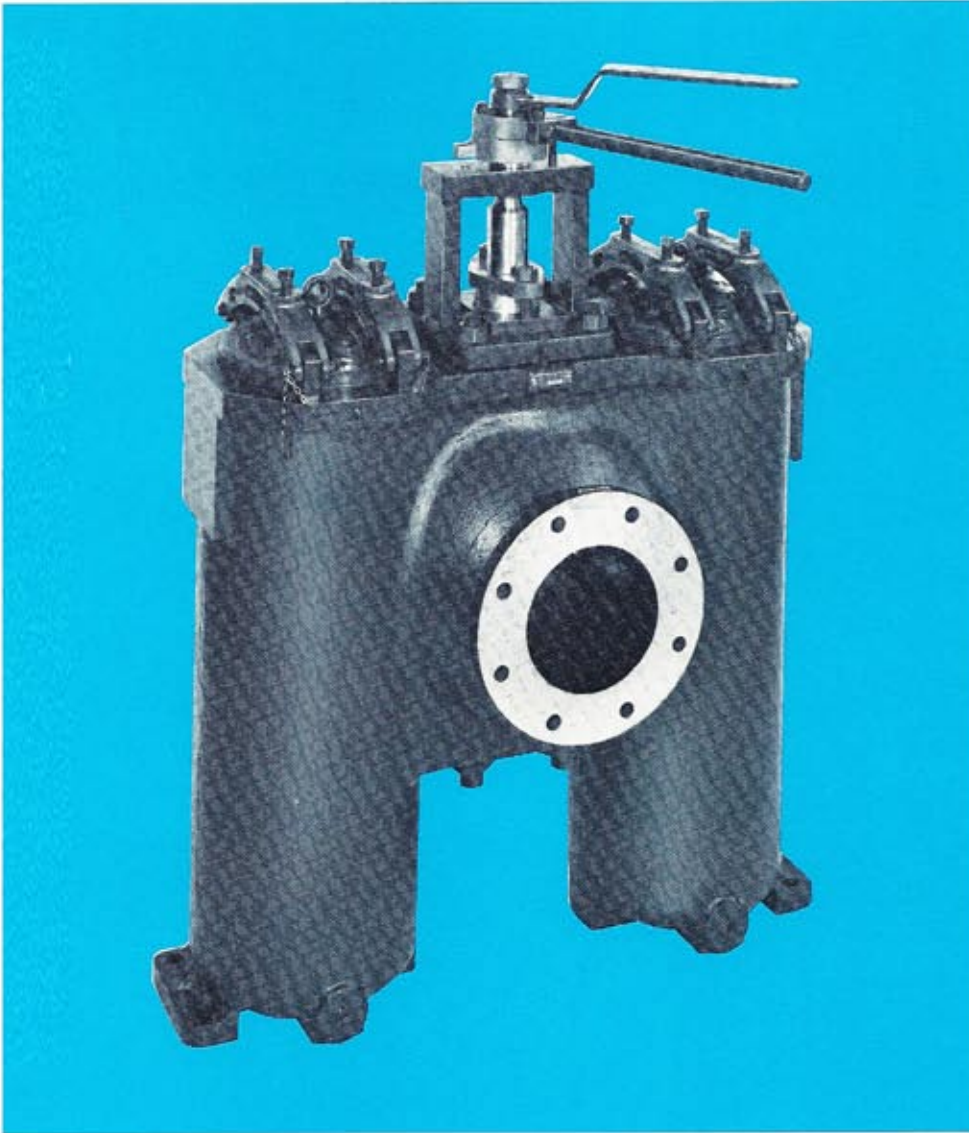


Tate Andale Model 104-B Twin Basket Strainer

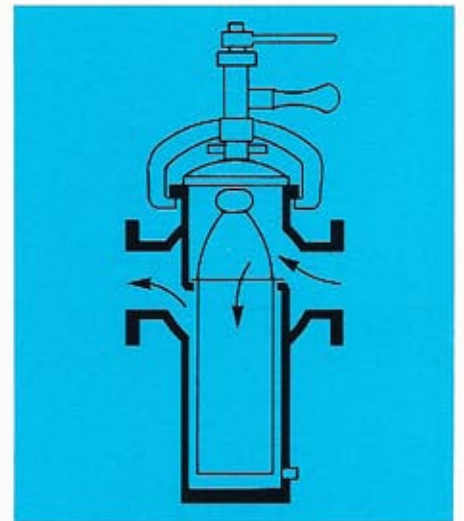


Description

Tate Andale Model 104-B Twin Basket Strainer operation is extraordinarily simple and foolproof. With only a 90° turn of the dual plug valve lever, flow is diverted from the clogged straining basket to a clean one—without interrupting or reducing the flow. The clogged basket can then be removed for cleaning and replaced. Plug lever position also indicates which basket is in use.

Model 104-B Strainers are available in sizes ½" thru 12" for system pressures up to 150 PSIG. The basket access covers are yoke type or bolted.

Model 104-B Strainers are recommended for heavy duty straining and are suitable for most straining requirements.



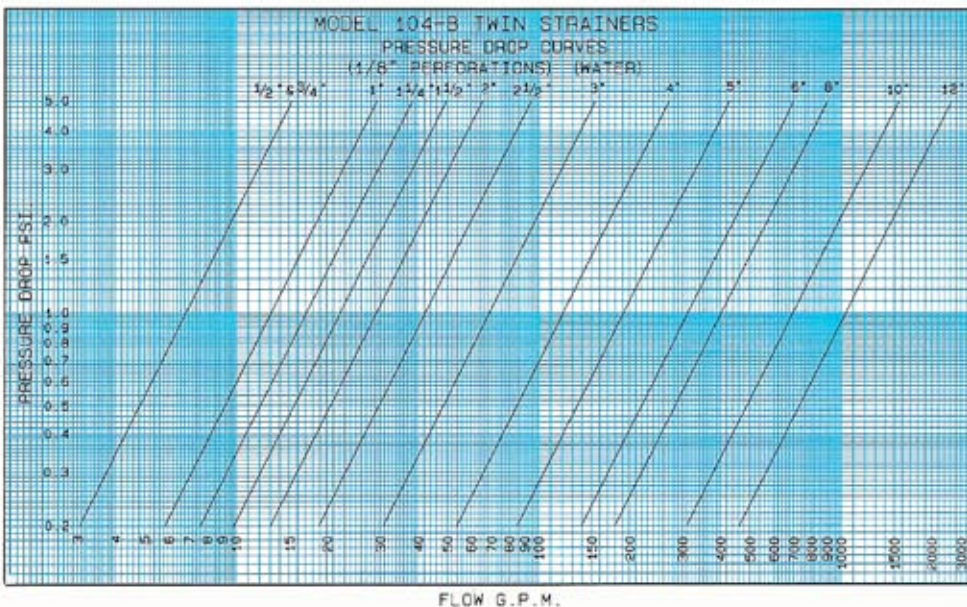
Typical Strainer Specification

The strainer shall be a plug valve twin basket type, capable of handling _____ (fluid) at a flow rate of _____ GPM with an approximate pressure drop (clean) of _____ PSIG. The strainer shall be Model 104-B as manufactured by Tate Andale, Inc., and suitable for a working pressure of _____ PSI and a working temperature of _____ °F.

The strainer body shall be of cast iron, cast steel, stainless steel or bronze construction with _____" flanged inlet and outlet connections and shall have a bolted or yoke type basket access covers.

The plug valve shall be precision machined and fitted to the body to insure minimum leakage. A lifting screw shall be provided to raise the plug before turning and to reseat the plug to eliminate metal to metal contact when shifting. The plug valve shall include positive stops to assure proper part alignment after turning.

The two strainer baskets shall be of 304 stainless steel construction with _____ inch diameter perforated openings (or a _____ mesh liner).



Standard Materials

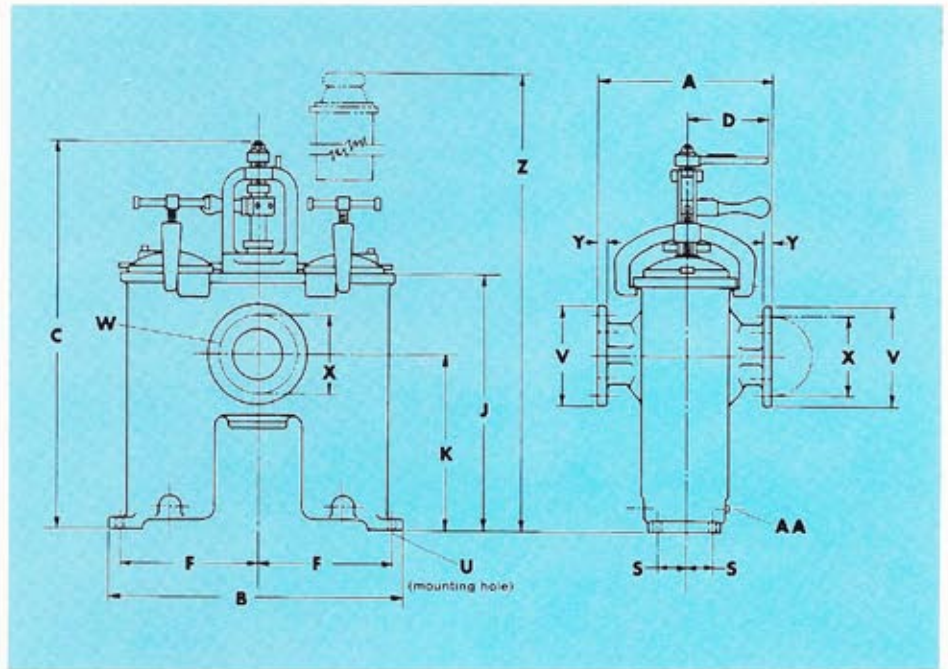
Body, Bonnet,
Access Cover Cast Iron/Steel
Valve Plug Cast Iron/Steel
Basket 304 Stainless Steel

Standard Features

- Body of cast iron or steel
- Cast iron/steel diverter valve
- Two (2) top entry baskets precision machined to prevent particle by-pass
- Plug lifting screw eliminates metal to metal contact when shifting

Optional Features

- Higher design pressures
- Magnet assemblies
- Wire cloth basket liners/inserts
- Zinc anodes for salt water
- Baskets of 316 Stainless Steel or Monel
- Bronze and Stainless Steel plug valve for water service



Model 104-B Dimensions (Approx.) 125 PSIG/150 PSIG

NOMINAL PIPE SIZE	A	B	C	D	F	J	K	S	U	V	W*	X	Y	Z	AA**	NET WT. LBS.
1/2"	5	10 1/4	13	5 3/8	4 3/8	7 7/8	4 3/4	—	2-1/2	SCREWED				15	1/4	35
3/4"	5	10 1/4	13	5 3/8	4 3/8	7 7/8	4 3/4	—	2-1/2	SCREWED				15	1/4	35
1"	7	10 3/4	14 3/4	6 1/4	5	7 3/8	4 3/4	—	2-1/2	4 1/4	4-3/8	3 3/8	7/8	15	1/4	40
1 1/4"	7.5	12	16 3/4	6 1/4	5 7/8	9 1/8	5 3/4	—	2-1/2	4 3/8	4-3/8	3 1/2	1/2	18	1/4	50
1 1/2"	8	13 1/2	17	6 1/4	6 1/4	9 3/8	5 7/8	—	2-3/8	5	4-5/8	3 3/8	9/16	18	1/4	80
2"	10	14 1/2	19 3/4	6 1/4	6 3/4	12	7 7/8	1 1/8	4-1/2	6	4-3/4	4 3/4	3/8	24	3/8	110
2 1/2"	11	17 1/8	22 1/2	6 1/4	8	14 1/4	9 3/4	1 3/8	4-5/8	7	4-3/4	5 1/2	1/8	28	1/2	160
3"	13	19	27 1/2	8	8 3/8	17 7/8	11 1/8	1 3/8	4-5/8	7 1/2	4-3/4	6	3/4	36	1/2	220
4"	16	22 3/4	33 3/4	8	10 3/4	22 1/2	14 3/4	1 3/8	4-5/8	9	8-3/4	7 1/2	5/8	46	1/2	375
5"	18	27	38 1/4	10 1/2	12 3/4	24 1/4	15	2 3/4	4-3/4	10	8-7/8	8 1/2	5/8	48	3/4	625
6"	21	31 1/2	42	10 1/2	14 3/8	26 3/4	17	2 7/8	4-7/8	11	8-7/8	9 1/2	1	52	3/4	825
6 LB.	21	31 1/2	46	10 1/2	14 3/8	30 3/4	21	2 7/8	4-7/8	11	8-7/8	9 1/2	1	60	3/4	900
8"	25	40	53	22	19	36	24	3	4-1	13 1/2	8-7/8	11 3/4	1 1/8	70	3/4	1550
10"	32	50 1/2	54 1/2	22	—	35 1/2	24	—	—	16	12-1	14 1/4	1 3/8	70	1	2600
12"	38	71 3/4	73	26	—	49	35	—	—	19	12-1	17	1 1/4	94	1 1/4	5000

*W—Flange drilling, straddles center line.

**AA—Drain plug on inlet side of each compartment