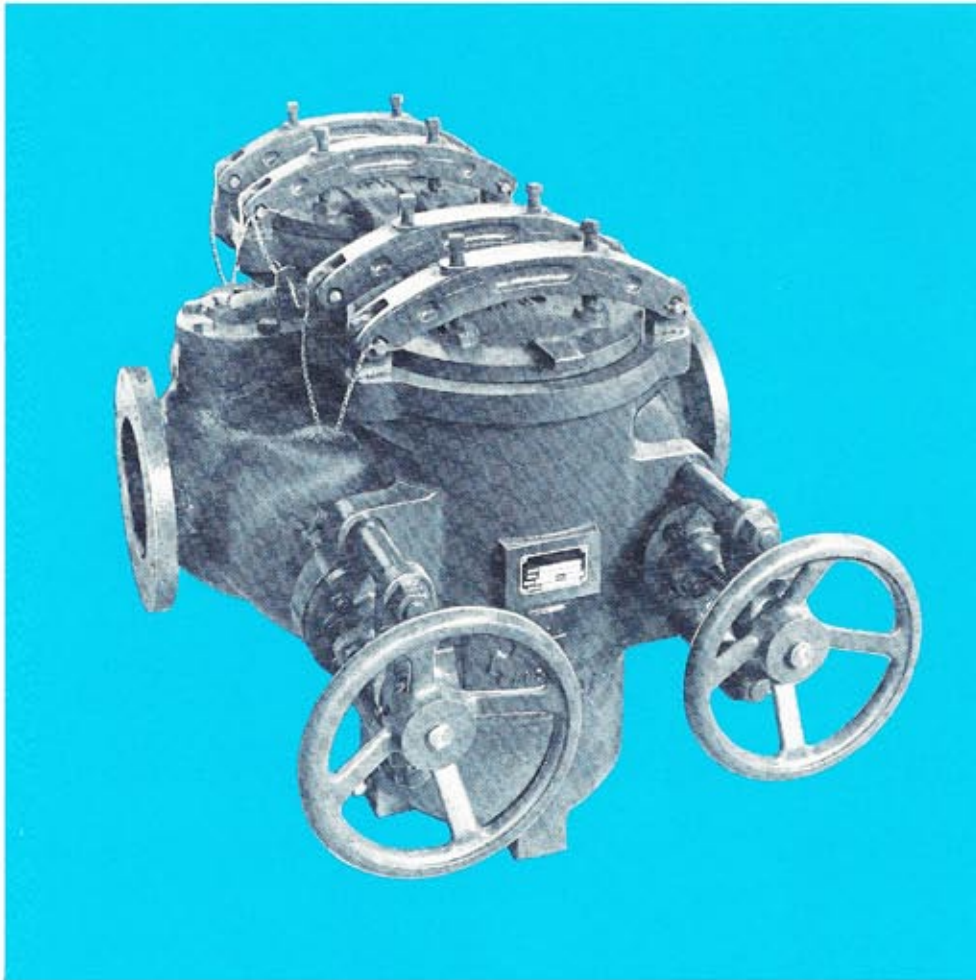


# Tate Andale Model 101 Twin Basket Strainer

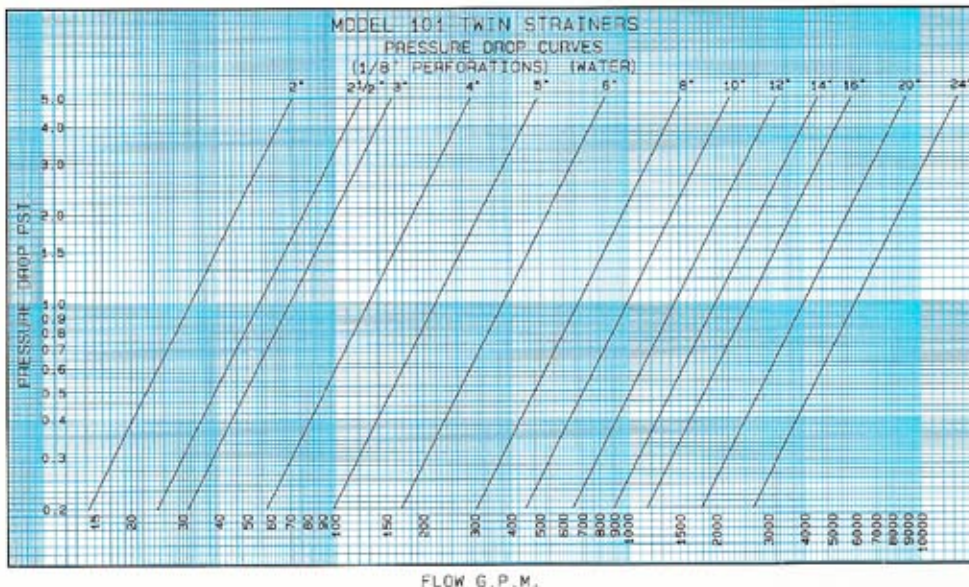
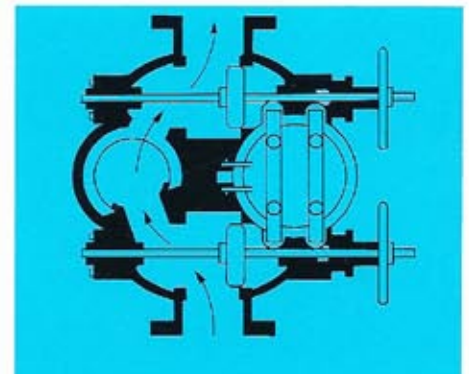


## Description

With a Tate Andale Model 101 Strainer, flow is quickly diverted from the clogged basket to the clean one by operating two globe-type valves which control fluid flow into and out of the strainer. The dirty basket can be easily removed, cleaned and replaced. When simultaneous operation of both flow diversion valves is desired to prevent accidental flow shut-off, an optional chain interlock is a useful accessory.

Model 101 Strainers are available in sizes 2" thru 24" for system pressure up to 150 psig. The basket access covers for 2" thru 16" are yoke type; 20" thru 24" are swing bolted.

The 2" thru 5" employ bail type baskets while 6" thru 24" have side inlet type baskets which afford minimum pressure loss. The side entry basket incorporates .05" clearance between the body housing and basket frame to facilitate basket removal. While the baskets can be lined with a mesh liner, particles as large as .05" may by-pass the basket.



## Typical Strainer Specification

The strainer shall have globe-type valves with tapered, metal-to-metal seats with twin baskets, capable of handling \_\_\_\_\_ (fluid) at a flow rate of \_\_\_\_\_ GPM with an approximate pressure drop (clean) of \_\_\_\_\_ PSIG. The strainer shall be Model 101 as manufactured by Tate Andale Inc., and suitable for a working pressure of \_\_\_\_\_ PSI and working temperature of \_\_\_\_\_ °F.

The strainer body shall be of cast iron or cast steel construction with \_\_\_\_\_ flanged inlet and outlet connections and shall have yoke (bolted) type basket access covers.

The globe valves shall be precision machined and fitted to the body to insure minimum leakage.

Visual indication of valve position shall be provided by rising valve stems with external, acme threads which do not come in contact with the liquid at any time.

The two strainer baskets shall be of 304 stainless steel construction with \_\_\_\_\_ inch diameter perforated openings and cast iron supports.

## Standard Materials

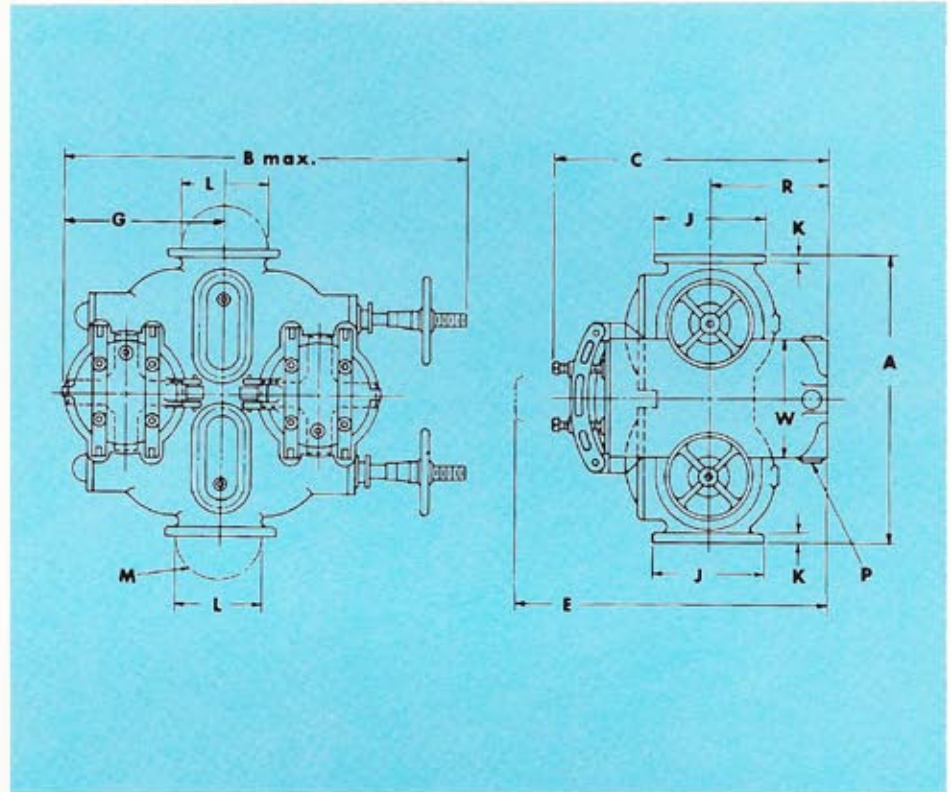
Body, Covers . . . . Cast Iron, Cast Steel  
 Discs  
   up to 6" . . . . . Bronze  
   8" & larger . . . . . Cast Iron  
 Seats . . . . . Bronze  
 Spindles . . . . . Bronze  
 Baskets . . . . . 304 Stainless Steel  
 Basket Supports . . . . . Cast Iron

## Standard Features

- Body, covers of cast iron or cast steel with globe-type valves (discs) of the same materials.
- Rising valve stems (which give visual indication of valve position) with external acme threads that do not come in contact with the liquid.
- Side inlet baskets with carefully fitted supports to minimize particle by-pass and pressure drop.
- Right or left hand assembly.
- Equalizing and drain connections provided on each chamber (pipe fittings and valves by purchaser).

## Optional Features

- Higher design pressures
- Bronze discs—8" and larger
- Magnet assemblies
- Chain drive (handwheels interlocked)
- Equalizing lines and valves
- Baskets of 316 Stainless Steel or Monel
- Wire cloth lined baskets
- Zinc anodes for salt water
- Wellscreen baskets



## Model 101 Dimensions (Approx.) 125 PSIG/150 PSIG

SIZE	A	B	C	E	G	J	K	L	M*	P	R	W	NET WT. LBS.
2"	16.5	23	15	21	8.63	6	.63	4.75	4-3/4	1/2	7.25	6.75	260
2 1/2"	18	27	18	28	10	7	.69	5.50	4-3/4	1/2	8.25	7.88	315
3"	18	27	18	28	10	7.5	.75	6	4-3/4	1/2	8.25	7.88	315
4"	24	27	22	32	10.25	9	.94	7.50	8-3/4	1/2	11	8.13	550
5"	27	31	27	38	12.13	10	.94	8.50	8-7/8	3/4	13	9.50	750
6"	30	35	24	34	13.75	11	1	9.50	8-7/8	3/4	10	10.75	830
8"	34	52	32	51	19.5	13.5	1.13	11.75	8-7/8	3/4	15	14.25	1900
10"	40	60	37	58	23	16	1.19	14.25	12-1	3/4	16.5	17.25	2550
12"	44	62	39	60	24	19	1.25	17	12-1	1	18	17.50	2850
14"	48	73	45	75	28.5	21	1.38	18.75	12-1 1/8	1 1/2	20	20.25	4100
16"	54	84	49	83	34.5	23.5	1.44	21.25	16-1 1/8	2	22	24.25	5800
20"	67	98	57	90	41	27.5	1.69	25	20-1 1/4	2	26.25	27.50	8500
24"	77	120	66	106	49.75	32	1.88	29.5	20-1 3/8	2	30.5	33.5	12000

\*Number of bolts and diameter of holes.