

# "TBS" Series

## Tower Basin Sweepers Specification WRTNSEPEDU

Written: January 2014



### 1.0 DESCRIPTION

1.1 TOWER BASIN SWEEPERS: "TBS" Eductors are designed for submerged applications. The "TBS" operates on the principle of flow dynamics pressurized fluid is accelerated through the nozzle to become a high velocity stream that entrains tank contents and intimately mixes with them. This combined stream exits the "TBS" at a high velocity creating a flow field capable of causing additional agitation and mixing the tank contents.

### 2.0 MATERIALS & FEATURES

2.1 MATERIALS: TBS Eductors are made from glass reinforced Polypropylene and injection molded as one piece.

2.2 OUTPUT: TBS Eductors are a 5:1 ratio flow eductor, using the chart below and pressure differential, flow rate and output can be calculated.

Model		Pressure Differential, PSI (TDH)				
		10	20	30	40	50
TBS-0038	Eductor Flow (GPM)	7.1	10.0	12.3	14.2	15.8
	Output Flow (GPM)	35	50	61	71	79
	Plume Length (FT)	4	8	12	16	22
TBS-0075	Eductor Flow (GPM)	15.4	21.8	26.7	30.8	34.5
	Output Flow (GPM)	77	109	134	154	172
	Plume Length (FT)	5	11	17	24	33
TBS-0150	Eductor Flow (GPM)	30.8	43.6	53.4	61.6	68.9
	Output Flow (GPM)	154	218	267	306	345
	Plume Length (FT)	7.5	16	24	34	46

2.3 PRESSURE AND TEMPERATURE LIMITATIONS: Shall have maximum operating perimeters of 0PSI @ 120F.

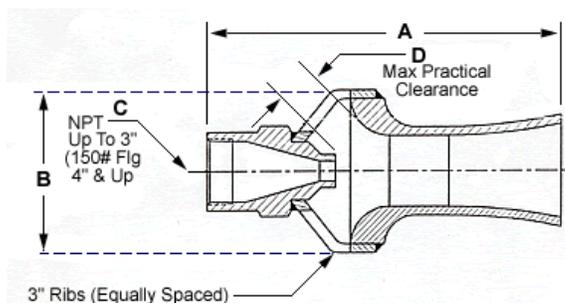
### 3.0 WARRANTY

General Treatment Products "TBS" Tower Basin Eductors are guaranteed for two years from date of shipment against manufacturing defects in material and workmanship which develop in the service for which they are designed. We will repair or replace a defective part of this system when returned to our factory with freight prepaid; providing that the part is found to be defective upon inspection. We assume no liability for labor and/or other expenses in making repairs or adjustments.

### 4.0 DIMENSIONS & WEIGHTS

MODEL	A	B	C	D
TBS-0038	5.0"	2.5"	3/8" MNPT	.50"
TBS-0075	7.3"	3.7"	3/4" MNPT	.81"
TBS-0150	10.9"	5.5"	1 1/2" FNPT	1.12"

Note: Available in larger sizes



P.O. Box 8697, Brea, CA 92822-5697 ♦ Phone: 714) 257-9165  
113 Viking Ave., Brea, CA 92821 ♦ Fax: 714) 257-9215

[www.gtpcompany.com](http://www.gtpcompany.com) ♦ [customerservice@gtpcompany.com](mailto:customerservice@gtpcompany.com)