TurboMix®

TurboMix® Eductor Mixing Nozzle

Metal

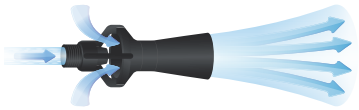
DESIGN FEATURES

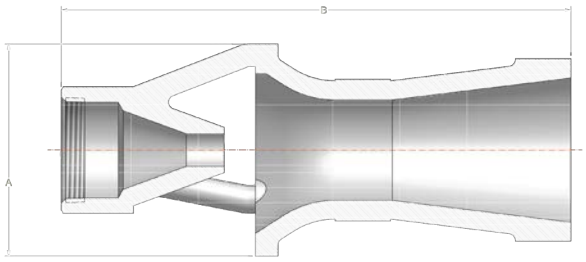
- Effective, economical way to circulate liquids in closed or open tanks
- No moving parts
- Inherently clog resistant
- Requires minimal maintenance
- Nozzle operation creates multiplying effect on fluid flow
- The volume of discharge liquid will be 3-5 times greater than the motive liquid pumped

SPRAY CHARACTERISTICS

- Cone-shaped plume

Flow rates: 7 to 3180 gpm (motive)





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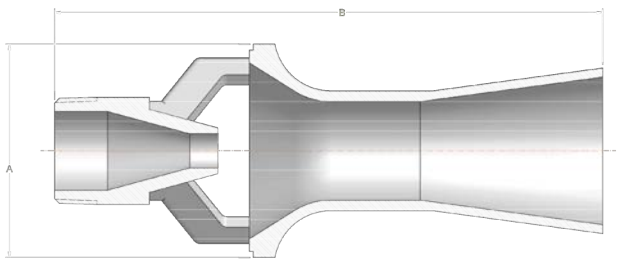

Plastic

TURBOMIX® FLOW RATES & DIMENSIONS

TurboMix in Molded Plastic

NPT or BSP Connection Size		TurboMix Number	K Factor	Motive Flow Rate (gpm) @ Differential Pressure (psi)							Dimensions (in.)		Wt. (lbs.)
				10 psi	15 psi	20 psi	25 psi	30 psi	40 psi	50 psi	A	B	
Male	3/8"	TM73	2.3	7.3	8.9	10.3	11.5	12.6	14.6	16.3	2.13	4.5	0.06
	1/2"	TM120	3.38	10.7	13.1	15.1	16.9	18.5	21.4	23.9	2.5	6.5	0.08
	3/4"	TM137	4.3	13.7	16.8	19.4	21.7	23.7	27.4	30.6	2.88	6.38	0.14
	1"	TM240	7.6	24	29.4	33.9	37.9	41.6	48	53.7	3.5	9.5	0.32
	1 1/2"	TM340	10.8	34	41.6	48.1	53.8	58.9	68.3	76.4	4.5	9.75	0.46

Standard Material: Glass-filled Polypropylene. *PSI = supply pressure at the TurboMix minus the pressure in the tank

TurboMix in Metal

NPT or BSP Connection Size		TurboMix Number	K Factor	Motive Flow Rate (gpm) @ Differential Pressure (psi)							Dimensions (in.)		Wt. (lbs.)
				10 psi	20 psi	30 psi	40 psi	60 psi	80 psi	100 psi	A	B	
Male	3/8"	TM70	2.2	7	9.8	12.1	13.9	17.1	19.8	22.1	1.69	4.25	0.50
	1/2"	TM110	3.5	11	15.6	19.1	22	26.9	31.1	34.8	2.16	5.25	0.75
	3/4"	TM150	4.7	15	21.2	25.7	29.7	36.7	42.4	47.4	2.63	6.25	1.50
	1"	TM230	7.3	23	32.5	39.8	46	56.3	65.1	72.7	3.25	7.88	2.75
Female	1 1/2"	TM320	10.1	32	45.3	55.4	63.9	78.4	90.5	101	3.81	9.19	6.50
	2"	TM620	19.6	62	87.7	107	124	152	175	196	4.75	11.25	12.5
	3"	TM1500	47.4	150	212	260	300	367	424	474	5.75	19.38	40.0
150# Flange	4"	TM2510	79.4	251	355	435	502	615	710	794	9.00	34	40.0
	6"	TM6010	190	601	850	1040	1200	1470	1700	1900	12.63	52	120
	8"	TM10050	318	1005	1420	1740	2010	2460	2840	3180	16.38	68	325

Standard Materials: Brass (3" and smaller), Carbon Steel, 316 Stainless Steel.

Flow Rate (GPM) = $K\sqrt{PSI}$ *PSI = supply pressure at the TurboMix minus the pressure in the tank

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.