

TMM

TurboMix™ Eductor Mixing Nozzle

DESIGN FEATURES

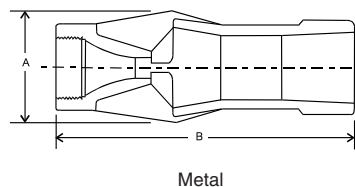
- Effective, economical way to circulate liquids in closed or open tanks
- No moving parts
- Inherently clog-resistant
- Requires minimal maintenance
- Nozzle operation creates multiplying effect on fluid flow, the volume of discharge liquid will be 4-5 times greater than the motive liquid pumped

SPRAY CHARACTERISTICS

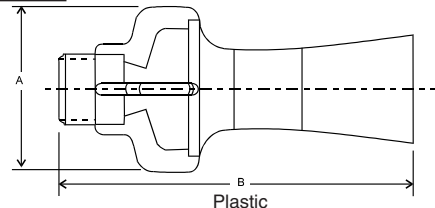
- Cone-shaped plume
 - Wide coverage
- Flow rates:** 107 to 48100 l/min (discharge)



Metal



Metal



Plastic

TurboMix™ in Molded Plastic

NPT or BSP Connection Size	TurboMix™ Number	K Factor	LITERS PER MINUTE @ BAR*							Dimensions (mm)		
			0.7 bar	1 bar	1.5 bar	2 bar	2.5 bar	3 bar	3.5 bar	A	B	
3/8 Male	TM73	33.2	Motive	27.8	33.2	40.7	47	52.5	57.6	62.2	54	114
			Discharge	139	166	204	235	263	288	311		
1/2 Male	TM120	54.3	Motive	45.4	54.3	66.5	76.7	85.8	94	101	64	165
			Discharge	227	272	333	384	429	470	508		
3/4 Male	TM137	62.4	Motive	52.2	62.4	76.4	88.2	98.6	108	117	73	162
			Discharge	261	312	382	441	493	540	585		
1 Male	TM240	109	Motive	90.8	108	133	153	172	188	203	89	241
			Discharge	454	543	665	768	858	940	1015		
1 1/2 Male	TM340	155	Motive	130	155	190	219	245	269	290	114	248
			Discharge	649	775	950	1100	1230	1345	1450		

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

TurboMix™ in Metal

NPT or BSP Connection Size	TurboMix™ Number	K Factor	LITERS PER MINUTE @ BAR*							Dimensions (mm)		
			0.7 bar	1 bar	1.5 bar	2 bar	3 bar	5 bar	7 bar	A	B	
3/8 Male	TM70	31.9	Motive	26.7	31.9	39.1	45.1	55.3	71.4	84.4	44	114
			Discharge	107	128	156	180	221	286	338		
1/2 Male	TM110	50.1	Motive	41.9	50.1	61.3	70.8	87.0	112	132	51	127
			Discharge	168	200	245	283	348	448	528		
3/4 Male	TM150	68.4	Motive	57.2	68.4	83.7	96.7	118	153	181	57	152
			Discharge	229	274	335	387	472	612	724		
1 Male	TM230	105	Motive	87.7	105	128	148	182	234	277	70	165
			Discharge	351	419	514	593	728	936	1110		
1 1/2 Female	TM320	146	Motive	122	146	179	206	253	326	386	76	184
			Discharge	488	584	716	824	1010	1300	1540		
2 Female	TM620	282	Motive	236	282	345	399	489	631	746	108	286
			Discharge	944	1130	1380	1600	1960	2520	2990		
3 Female	TM1500	684	Motive	572	684	837	967	1180	1530	1810	165	492
			Discharge	2290	2740	3350	3970	4740	6120	7240		
4 150# Flange	TM2510	1130	Motive	950	1130	1390	1610	1970	2540	3000	213	864
			Discharge	3800	4540	5560	6420	7870	10200	12000		
6 150# Flange	TM6010	2720	Motive	2270	2720	3330	3840	4710	6080	7190	321	1320
			Discharge	9100	10900	13300	15400	18800	24300	28800		
8 150# Flange	TM10050	4550	Motive	3800	4550	5570	6430	7870	10200	12000	416	1730
			Discharge	15200	18200	22300	25700	31500	40700	48100		

Motive Flow Rate (L/min) = K√BAR

Standard Material: (3/8" - 3") Bronze, Cast Iron, 316 Stainless Steel; (4" - 8") Carbon Steel, 316 Stainless Steel. * BAR = supply pressure at the TurboMix minus the pressure in the tank

SPECIAL PURPOSE

CALL 413-772-2166
Call for the name of your nearest BETE representative.