



DESCRIPTION

Metal Eductors nozzles will reduce suspended solids settling, improve circulation, maintain uniformed characteristics, mix chemicals, and help move solids along the bottom of the tank. There are two basic elements to the eductor nozzle, a discharge orifice and venturi section. The Eductor nozzles are submersed inside the tank. Motive liquid is pumped under pressure through the discharge orifice, the jet of motive liquid enters the venturi section taking additional liquid from the tank and moving it through the venturi. A discharge plume of combined motive and liquid exits the venturi and continues the mixing and agitating action for a substantial distance. This creates a multiplying effect on fluid flow. Depending on the model and operating pressure the volume of liquid discharged can be up to four to five times greater than the volume of fluid pumped. This operation reduced energy use and saves money.

MATERIALS AVAILABLE

- 316 Stainless Steel
- Bronze
- Cast Iron
- Other materials available on request

ORDERING EXAMPLE

Bronze 3" Metal Eductor - 1500

APPLICATION

- Phosphating
- Plating
- Sludge
- Pre-treatment
- Electro Coating
- Anodizing
- Agricultural Fertilisers and Chemicals

FEATURES

- Clog resistant
- Low maintenance
- Quality construction
- Highly efficient operation

NPT or BSP Connection Size	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	70	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 Mal	110	50.1	Motive	41.9	50.1	61.3	70.8	87	112	132	51	127
			Discharge	168	200	245	283	348	446	528		
3/4 Male	150	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	230	105	Motive	87.7	105	128	148	182	234	277	70	165
			Discharge	351	419	514	593	728	936	1108		
1 1/2 Female	320	146	Motive	122	146	179	206	253	326	386	76	184
			Discharge	488	584	716	824	1010	1300	1540		
2 Female	620	282	Motive	236	282	345	399	489	631	746	108	286
			Discharge	944	1130	1380	1600	1960	2520	2990		
3 Female	1500	684	Motive	572	684	837	967	1180	1530	1810	165	492
			Discharge	2290	2740	3350	3970	4740	6120	7240		
4 150# Flange	2510	1130	Motive	950	1130	1390	1610	1970	2540	3000	213	864
			Discharge	3800	4540	5560	6420	7870	10200	12000		
6 150# Flange	6010	2720	Motive	2270	2720	3330	3840	4710	6080	7190	321	1321
			Discharge	9100	10900	13300	15400	18800	24300	28800		
8 150# Flange	10050	4550	Motive	3800	4550	5570	6430	7870	10200	12000	416	1727
			Discharge	15200	18200	22300	25700	31500	40700	48100		

