

MINI EDUCTORS FOR TANK MIXING



BENEFITS

- More efficient design pulls 3 to 5 times more solution into the flow-through chamber
- Circulation is 6 times greater than using pipe holes or agitation with air
- Flow-through chamber minimizes clogging
- Compact design simplifies mounting and is ideal for small tanks
- Color-coded by flow size for quick identification (only for PP material)

NEW COMPACT DESIGN

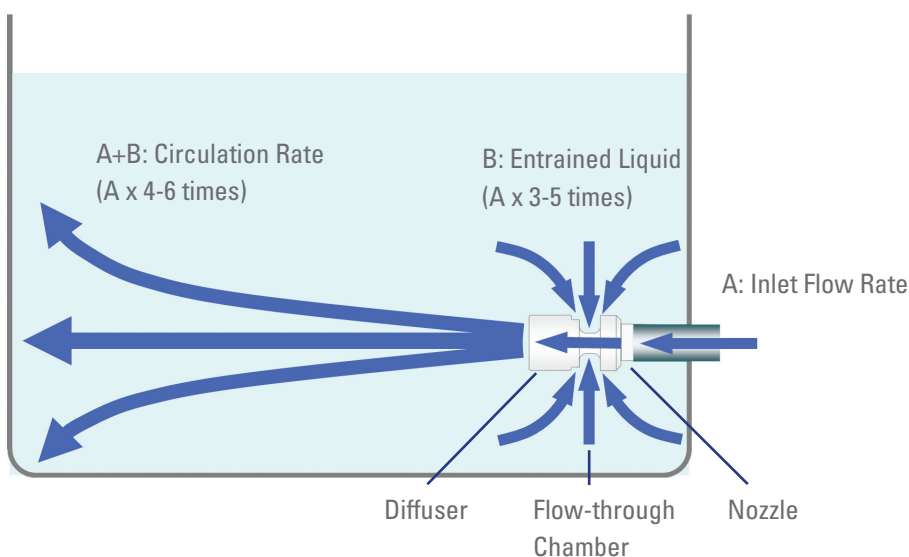
The new compact design maximizes liquid circulation and agitation.

SPECIFICATIONS

Materials: Polypropylen (PP) as standard
PVDF and other materials on request

Inlet connection: 1/4" BSPT pipe thread

Dimension: 40 mm x 17 mm (length x outside diameter)



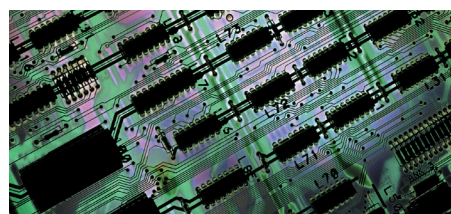
HOW THE MINI-EDUCTOR WORKS

Pressurized liquid is pumped through the Mini Eductor's nozzle and then the diffuser. Between the nozzle and the diffuser is a flow-through chamber that is open to the surrounding liquid. As liquids exits the diffuser at high velocity, surrounding solution is entrained into the flow-through chamber. This combination of pumped flow and pulled flow significantly increases circulation.

Agitating tank solutions

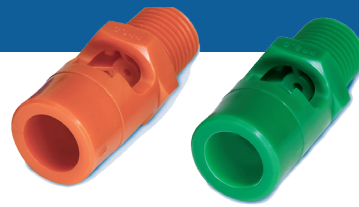


Cleaning circuit boards



Etching, plating tanks



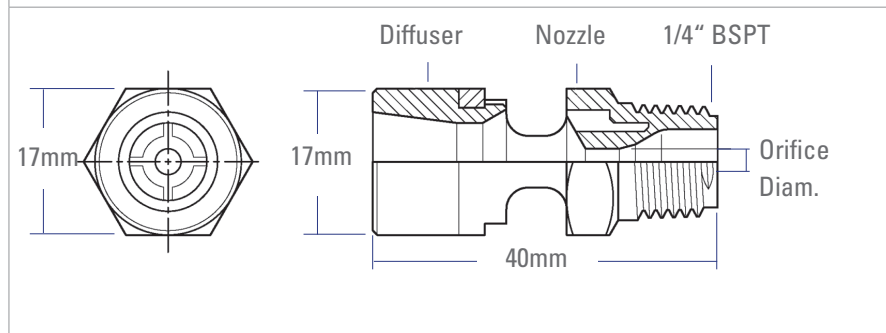


PERFORMANCE DATA

Nozzle No. (Order Info)	Color Code (*)	Orifice Dia. (mm)	Flow Rate (l/min) Flow Field (cm) (**)	Inlet Liquid Pressure (bar)							
				0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
YB1/4TME-PP1.5	Orange	1.5mm	Inlet Flow	1.0	1.4	1.7	2.0	2.2	2.4	2.6	2.8
			Circulation Flow	6.2	8.8	10.8	12.5	14.0	15.4	16.7	17.8
			Effective Flow Field (cm)	7.6	10.2	12.7	15.2	17.8	19.1	22.9	30.5
YB1/4TME-PP2.0	Green	2.0mm	Inlet Flow	1.8	2.6	3.1	3.6	4.0	4.4	4.8	5.1
			Circulation Flow	8.6	12.3	15.0	17.2	19.4	21.3	23.1	24.6
			Effective Flow Field (cm)	12.7	22.9	25.4	26.7	30.5	38.1	40.6	43.2
YB1/4TME-PP2.5	Blue	2.5mm	Inlet Flow	2.7	4.0	4.9	5.7	6.4	7.0	7.5	8.2
			Circulation Flow	9.9	15.2	19.1	22.1	24.7	27.3	29.5	32.3
			Effective Flow Field (cm)	20.3	25.4	27.9	30.5	38.1	40.6	43.2	53.3
YB1/4TME-PP3.0	White	3.0mm	Inlet Flow	4.2	5.8	7.1	8.3	9.3	10.2	11.0	11.7
			Circulation Flow	15.3	21.6	26.4	30.7	34.5	37.7	40.7	43.6
			Effective Flow Field (cm)	27.9	33.0	40.6	43.2	50.8	55.9	57.9	61.0

* Color coding available for polypropylen material only ** Effective Flow Field is defined as 30 cm flow per second

DIMENSIONS



TYPICAL APPLICATIONS

- Agitating tank solutions
- Cleaning circuit boards
- Paint booth pre-treatment tanks
- Preventing sedimentation
- Etching tanks
- Plating tanks

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