

Mini Eductors are available in four capacities with inlet flow rates up to 2.9 gpm (11.7 l/min).

COMPACT DESIGN MAXIMIZES LIQUID CIRCULATION & AGITATION



FEATURES AND BENEFITS

- For use in applications with lower flow rates
- Entraines three to five times more solution than pumped solution as it passes through the eductor/diffuser
- Circulation is six 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
- Ideal for use in paint booth pre-treatment, etching and plating tanks
- Color-coded by flow size for quick identification (polypropylene only)

SPECIFICATIONS:

Materials: Polypropylene*. PVDF and other similar materials optional

Inlet Conn. (in.): 1/4 NPT or BSPT (M)

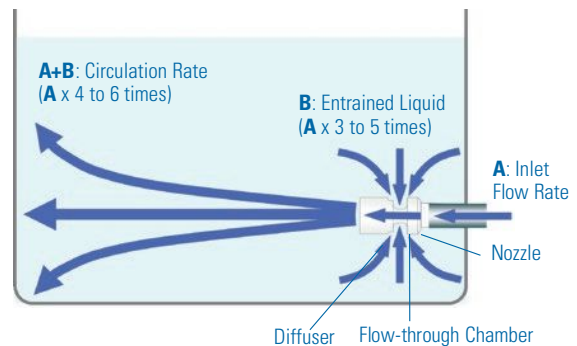
Effective Flow Field: 3" to 24" (7.6 to 61 cm)

Dimensions: 1-5/8" x 11/16" (length x outside dia.)
(40 x 17 mm)

*Maximum operating temperature with water is 200°F (93°C) at 50 psi (3.5 bar).

HOW THE MINI TANK MIXING EDUCTOR WORKS:

Pressurized liquid is pumped through the eductor. As liquid exits the diffuser at high velocity, surrounding solution is entrained in the open flow-through chamber. The combination of pumped flow and pulled flow significantly increases circulation.



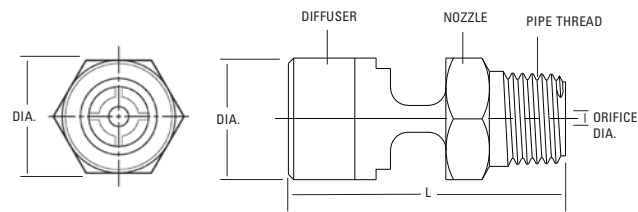
PERFORMANCE DATA: 46550 EDUCATORS

Inlet Conn	Capacity	Color Code*	Flow Rate gpm (lpm)	Flow Rate Capacity gpm (lpm)					
				15 psi (1 bar)	20 psi (1.5 bar)	30 psi (2 bar)	35 psi (2.5 bar)	40 psi (3 bar)	50 psi (3.5 bar)
1/4	1.5	Orange	Inlet Flow Rate	.38 (1.4)	.43 (1.7)	.53 (2.0)	.57 (2.2)	.61 (2.4)	.68 (2.6)
			Circulation Rate	2.4 (8.8)	2.7 (10.8)	3.4 (12.5)	3.6 (14.1)	3.9 (15.5)	4.4 (16.7)
			Effective Flow Field** in. (cm)	4.0 (10.0)	5.0 (13.0)	7.0 (15.2)	7.5 (18.0)	9.0 (19.0)	12.0 (23)
1/4	2.0	Green	Inlet Flow Rate	.69 (2.6)	.79 (3.1)	.97 (3.6)	1.0 (4.0)	1.1 (4.3)	1.2 (4.6)
			Circulation Rate	3.3 (12.3)	3.8 (15.1)	4.7 (17.4)	5.0 (19.4)	5.4 (21.3)	6.0 (32)
			Effective Flow Field** in. (cm)	9.0 (22.9)	10.0 (25.4)	12.0 (27)	15.0 (31)	16.0 (38)	17.0 (41)
1/4	2.5	Blue	Inlet Flow Rate	1.1 (4.0)	1.2 (4.9)	1.5 (5.7)	1.7 (6.4)	1.8 (7.1)	2.0 (7.7)
			Circulation Rate	4.0 (12.8)	4.7 (18.6)	5.9 (21.9)	6.4 (24.7)	6.9 (27.4)	7.8 (29.8)
			Effective Flow Field** in. (cm)	10.0 (25)	11.0 (28)	15.0 (31)	16.0 (38)	17.0 (41)	21 (43)
1/4	3.0	White	Inlet Flow Rate	1.6 (5.9)	1.8 (7.2)	2.2 (8.3)	2.4 (9.3)	2.6 (10.1)	2.9 (10.9)
			Circulation Rate	5.8 (21.5)	6.7 (26.5)	8.2 (30.6)	8.9 (34.3)	9.5 (37.6)	10.7 (40.7)
			Effective Flow Field** in. (cm)	13.0 (33)	16.0 (41)	20 (43)	22 (51)	22 (56)	24 (56)

* Color coding available for polypropylene material only.

**Effective Flow Field is defined as 1' (30 cm) of flow/second.

DIMENSIONS AND WEIGHTS

	Inlet Conn. (in.)	Orifice Dia. in. (mm)	L in. (mm)	Dia. in. (mm)
		1/4	.059 (1.5)	1-5/8 (40)
	1/4	.079 (2.0)	1-5/8 (40)	11/16 (17)
	1/4	.098 (2.5)	1-5/8 (40)	11/16 (17)
	1/4	.118 (3.0)	1-5/8 (40)	11/16 (17)

ORDERING INFORMATION

MINI TANK MIXING EDUCATOR

Model No.	Inlet Conn.	Mini-Educator Designation	Nozzle Size	Material Code
<p>Example</p> <p>46550 - 1/4 - ME - 1.5 - PP</p>				

Other materials available upon request. BSPT connections require the addition of a "B". Example: B46550 - 1/4 ME - 1.5 - PP.

