

POWERFUL BUBBLING ACTION IMPROVES CLEANING EFFICIENCY WITHOUT COMPRESSED AIR

Air induced tank mixing eductors are available in three capacities with liquid inlet flow rates up to 3.0 gpm (12.1 l/min) and standard or wall-mount installation.



FEATURES AND BENEFITS

- Circulated liquid flow is combined with induced air to generate small air bubbles that improve operational efficiency
 - Air bubbles provide an added scrubbing action when used for plating, dip cleaning or parts cleaning
 - Air bubbles elevate tank particulate and encapsulate debris for easier filtration of tank solution when used for mixing and agitation
- Unique injector design creates a wide 30° to 50° angle for added coverage and capture of particulates
- Easily change flow rates using interchangeable orifice plates (stainless steel models only)
- Ideal for use in dip cleaning, metal particulate carry off and liquid agitation

SPECIFICATIONS:

Liquid Flow Rate Range: 0.82 to 3 gpm (3 to 12.1 l/min)

Materials: PVC and stainless steel

Installation Types:

Standard hook-up or wall-mount

PVC models are for wall-mount installation only

Liquid Inlet Conn. (in.):

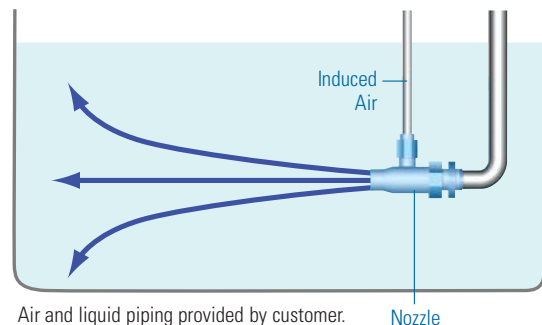
3/8 BSPT (F) for stainless steel models

1/2 BSPT (F) for PVC models

Air Inlet Conn. (in.): 1/4 BSPT (F) – All models

HOW THE AIR INDUCED EDUCTOR WORKS

Liquid flow from two orifices combines with air drawn from outside the tank to produce a powerful flow.



Air and liquid piping provided by customer.

Nozzle



PERFORMANCE DATA: 46550 EDUCTORS

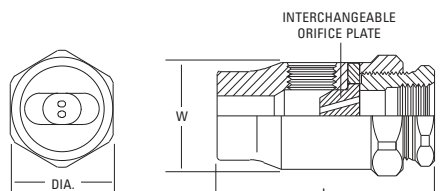
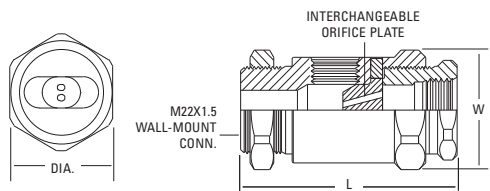
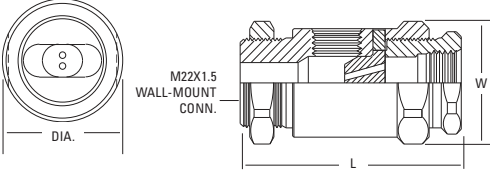
Inlet Conn. (in.)	Capacity Size	Flow Rate gpm (lpm)	Flow Rate Capacity gpm (lpm)				
			15 psi (1 bar)	30 psi (2 bar)	40 psi (3 bar)	50 psi (4 bar)	70 psi (5 bar)
3/8" 1/2"	5	Liquid Flow Rate	.79 (3.0)	1.11 (4.2)	1.32 (5.0)	1.48 (5.6)	1.64 (6.2)
		Induced Air Flow Rate scfm (NI/min)	.11 (3.0)	.25 (7.0)	.32 (9.0)	.53 (15.0)	.71 (20.0)
3/8" 1/2"	7	Liquid Flow Rate	1.08 (4.1)	1.51 (5.7)	1.85 (7.0)	2.06 (7.8)	2.27 (8.6)
		Induced Air Flow Rate scfm (NI/min)	.14 (4.0)	.25 (7.0)	.35 (10.0)	.57 (16.0)	.78 (22.0)
3/8" 1/2"	10	Liquid Flow Rate	1.66 (6.3)	2.27 (8.6)	2.64 (10.0)	2.93 (11.1)	3.20 (12.1)
		Induced Air Flow Rate scfm (NI/min)	.21 (6.0)	.60 (17.0)	1.13 (32.0)	1.48 (42.0)	1.70 (48.0)

The flow rate table is based on the following specifications: Depth of eductor from water surface: 8" (220 mm). Induced Air Side: 5/16" (8 mm) I.D. tubing. Max. Length = 20" (500 mm).

*Stainless steel (SS) – in-tank or wall mount.

** Polyvinyl chloride (PVC) – wall mount.

DIMENSIONS AND WEIGHTS

	Nozzle No.	Air Inlet Conn. (in.) BSPT (F)	Nozzle Dia. in. (mm)	L in. (mm)	W in. (mm)
	3/8 In-Tank (SS)	1/4	1-1/16 (27)	2-3/16 (55)	1-3/64 (26.5)
	3/8 Wall-Mount (SS)	1/4	1-1/16 (27)	2-3/16 (55)	1-3/64 (26.5)
	1/2 Wall-Mount (PVC)	1/4	1-1/16 (27)	1-31/32 (50)	1-3/16 (30)

ORDERING INFORMATION

AIR INDUCED TANK MIXING EDUCTORS

Model No.	Inlet Conn.	Eductor Type	Installation Type	Capacity	Material Code	Example
						B46550 – 3/8 – AIE – T – 10 – SS

Other materials available upon request. BSPT connections require the addition of a "B". Example B46550 – 3/8 AIE T – 10 – SS. "T" indicates wall-mount connection.

No code required for in-tank type eductor.

