



Air Induced Tank Mix Eductor



Powerful bubbling action

- Improves parts cleaning efficiency
- Improves tank agitation and filtration
- Requires no compressed air for operation

Benefits

- Combining circulated liquid flow with induced air generates small air bubbles for more efficient tank agitation and parts cleaning
- Air bubbles provide an added scrubbing action when used for plating, dip or parts cleaning
- When used for tank agitation and mixing, air bubbles elevate tank particulate for easier filtration of tank solutions
- Unique injector design creates a wide 30 to 50 degree angle
- Stainless steel models have interchangeable orifice plates to easily change between flow rates

Specifications

Liquid Flow Rate Range: 3 to 12.1 l/min

Materials: PVC and stainless steel models

Installation Types:

Standard nozzle hook-up or wall mounted.
PVC models are for wall-mounted installation only.

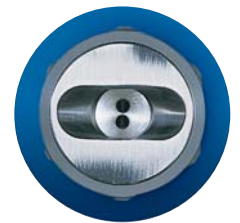
Liquid Inlet Connections:

3/8" NPT (F) or BSPT (F) for stainless steel models
1/2" NPT (F) or BSPT (F) for PVC models

Air Inlet Connections: 1/4" NPT (F) or BSPT (F) – All models

How the Air Induced Eductor Works

Liquid flow from two orifices combine with air drawn from outside the tank to create a powerful circulated flow with finer drops and a wider spray angle.



New injector design features double orifices

Typical Applications



Liquid agitation in tanks



Plating tanks



Dip cleaning of machinery

Air Induced Tank Mix Eductors



Performance Data

The Flow Rate Table Chart is based on the following specifications:

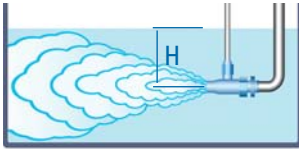
H = Depth of nozzle from water surface.

H = 220 mm

Induced Air Side:

8 mm I.D. Tubing.

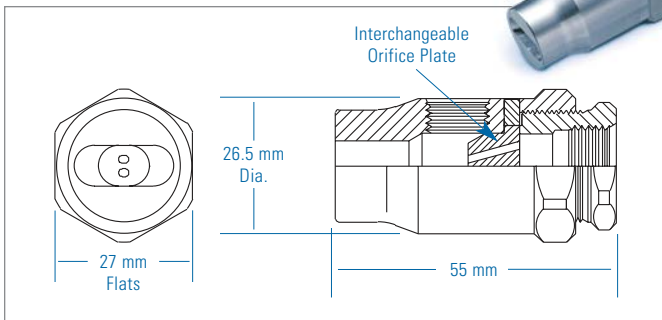
Max. Length = 500 mm



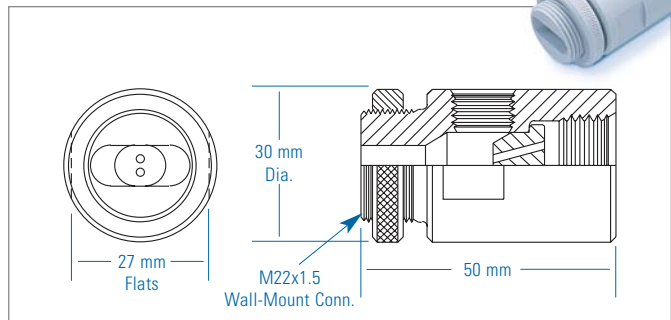
Nozzle No.	Type of Flow Rate	Flow Rates at Various Liquid Pressures				
		1 bar	2 bar	3 bar	4 bar	5 bar
46550-3/8AIE-5-SS	Liquid Flow Rate l/min	3.0	4.2	5.0	5.6	6.2
46550-3/8AIE-5-SS	Induced Air Flow Rate NI/min	3.0	7.0	9.0	15.0	20.0
46550-1/2AIE-5-PVC						
46550-3/8AIE-7-SS	Liquid Flow Rate l/min	4.1	5.7	7.0	7.8	8.6
46550-3/8AIE-7-SS	Induced Air Flow Rate NI/min	4.0	7.0	10.0	16.0	22.0
46550-1/2AIE-7-PVC						
46550-3/8AIE-10-SS	Liquid Flow Rate l/min	6.3	8.6	10.0	11.1	12.1
46550-3/8AIE-10-SS	Induced Air Flow Rate NI/min	6.0	17.0	32.0	42.0	48.0
46550-1/2AIE-10-PVC						

Dimensions

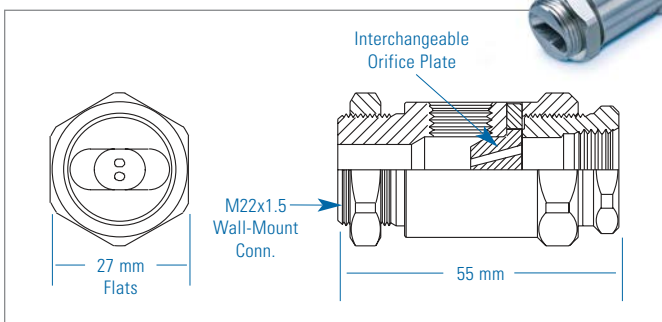
46550-3/8AIE-SS In-Tank Air Induced Tank Mix Eductor



46550-1/2AIE-PVC Wall-Mounted Air Induced Tank Mix Eductor



46550-3/8AIE-SS Wall-Mounted Air Induced Tank Mix Eductor



Ordering Information

B	46550-3/8	AIE	T	10	SS
Conn. Type*	Model No.	Inlet Conn.	Eductor Type	Installation Type**	Capacity Material

* B indicates BSPT connection. No code required for NPT connection.

**T indicates wall-mounted installation. No code required for "in-tank" type nozzle.



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