

ACTINIC AQUA ENGINEERS

Creating an Innovating Culture

Actinic Aqua Engineers is a company providing solutions to their clients for Water & Waste Water Treatment Plants by providing them variety of products involved or part of Water & Waste Water Treatment Plant. Actinic is operated by highly qualified & experienced professionals. Actinic team is committed, Trained, Responsible, Honest, Technical, Innovative & qualified with staff as old as 15 years in this field. Company is continuously growing and proudly present to you the range of Air Diffusers

AIR DIFFUSERS

Oxygen is required by micro-organisms / Bacteria residents in the water to break down the Organics / Inorganic Pollutants. Air Diffuser is an Aeration device typically in a shape of a tube, plate or disc, which is used to transfer Air and with that oxygen into Sewage or industrial Waste Water. Diffusers are generally referred to as either **Fine Bubble or Coarse Bubble**. Other diffused Aeration devices include Jet Aerators, aspirators, etc. Diffusers are available in two MOCs of Silicon EPDM. ACTINIC provides various ranges of Air Diffusers for their required following Applications

Applications

- Municipal Waste Water Treatment Plant.
- Industrial Waste Water Treatment Plants.
- Sludge Stabilization.
- Clean Water Treatment.
- Aeration of Fish Ponds.
- Aeration of Streams & Lakes.
- Miscellaneous Air Diffusion.

Merits

- High Resistance to clogging.
- High Oxygen Transfer Efficiency.
- Lower Power Consumption.
- Uniform Air Distribution
- Low Pressure Loss.
- No Moving Parts & Maintenance free.
- Wide Air Flow Range.
- Best Economics.

Featuring

Parameter	Tubular Type Details				
Model No.	AFD.1	AFD.2	AFD.3	AFD.4	AFD.5
Size (Dia x Length) (mm)	63 x 500	63 x 610	63 x 750	63 x 1000	90 x 1000
Material of Membrane	EPDM/Silicon	EPDM/Silicon	EPDM/Silicon	EPDM/Silicon	EPDM/Silicon
Support Pipe MOC	uPVC	uPVC	uPVC	uPVC	uPVC
Clamping MOC	SS	SS	SS	SS	SS
Type of Bubble	Fine	Fine	Fine	Fine	Fine
Air Flow rate (m ³ /hr)	5-6	7-9	8-10	8-11	11-14

Parameter	Disc Type	
Model No.	ACD.1	ACD.2
Size (Dia) (Inch)	3"	6"
Material of Membrane	EPDM/Silicon	EPDM/Silicon
Type of Bubble	Coarse	Coarse
MOC of Membrane Support	ABS	ABS
Bubble Size	4-5 mm	4-5 mm
Details of fitting per Diffuser	Supporting Disc	Supporting Disc
Air Flow Rate (m ³ /hr)	1-5	4-10



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