



ENERGY EQUIPMENT

Fine Bubble Air Diffusers

Air Diffuser



Dia 90 mm x 1000 mm

EPDM and Silicone



Dia 2.5" x 39"



Dia 2.5" x 24"



Disc Diffuser 9" & 12"

Reliable Technology

The diffuser's innovative design is the most efficient and cost effective on the market. It has been designed to increase performance and decrease utility costs. The higher oxygen transfer efficiencies will also permit greater process flows and improved quality.

Features

- ❖ Specially blended and advanced engineered EPDM membrane material provides superior durability, elasticity and diffuser life compared to vinyl or PVC co-polymer compounds.
- ❖ Neutrally buoyant design minimizes uplift forces and connector stresses.
- ❖ The precision perforated "I" shaped slit holes open when airflow comes, close when airflow pressure drops, resist tearing and stay cleaner longer.



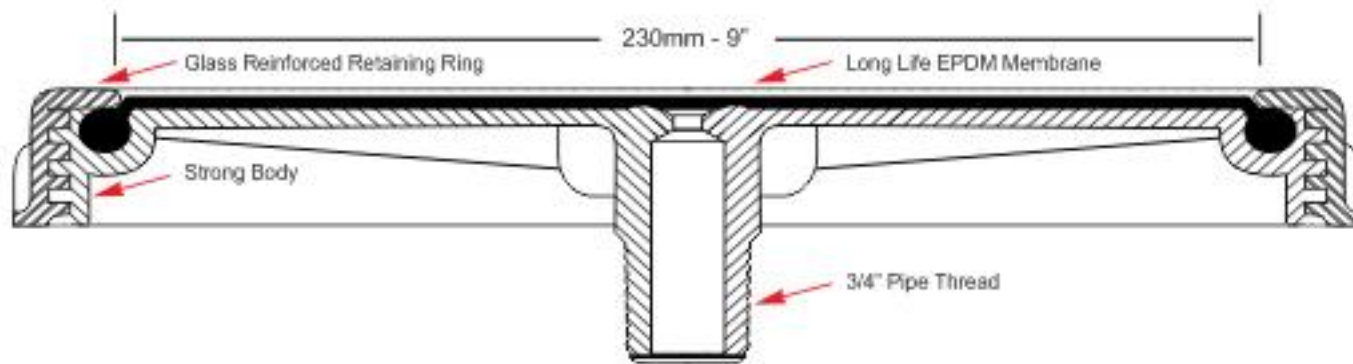
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Disc Diffuser Sizes Available

Type	Height	Effective Diameter	Perforated Area in m ²	Material of Construction	End Construction	Membrane Material
9" Disc	60 mm	230 mm	0.041	PP	3/4" NPT	EPDM / Silicone
12" Disc	60 mm	304 mm	0.073	PP	3/4" NPT	EPDM / Silicone

Tubular Diffuser Sizes Available

Membrane Diameter	Length	End Connection	Membrane Material	Perforated Area m ²	MOC of Internals	MOC of Fittings
63 mm	610 mm	3/4" NPT	EPDM / Silicone	0.12	PVC / PP	SS304
63 mm	990 mm	3/4" NPT	EPDM / Silicone	0.19	PVC / PP	SS304
90 mm	500 mm	1" NPT	EPDM	0.1122	PVC / PP	SS304
90 mm	1000 mm	1" NPT	EPDM	0.2244	PVC / PP	SS304

E.P.D.M. Membrane Analyse Result

Type of Analyse	Scale	Value
Rupture Resi stance	Mpa	10.30
Elongation	%	398.00
Hardness	Sh-A	62.0
Wear	mm ²	134.70
Tear	N / mm	26.70
Specific Gravity	Gr / cm ³	1.07

Aging Analyse Results (168 hours at 125°C)

Type of Analyse	Scale	Value
Rupture Resi stance	Mpa	11.40
Elongation	%	306.00
Hardness	Sh-A	67.00
Membrane Thickness	mm ²	2mm.(+0.20)
Type of Polymer		E.P.D.M.
Compression set(22h @ 100°C)	%	22.00
Compression set(70h @ 125°C)	%	30.00
Compression set(22h @ 100°C)	%	5.00



Membrane Life Time: Up to 10 years in municipal waste treatment plant, depending on waste influent and operation condition.

Storage: recommends care handling and storage to prevent tearing, puncturing or fouling of the rubber membrane. If units are to be stored before installation, recommends utilizing the original unopened shipping cartons. Store in a clean, cool location that avoids potential mechanical damage.

Cleaning: This guide deals with the clogging of fine-bubble aerators, the reasons for such clogging and how to clean aerators. Instructions are provided for both fixed and mobile system. Separate instructions for automatic system are given on case-by-case basis.

Warranty: This product, manufactured by is warranted against defects in material and workmanship for a period of one year from date of shipment, under normal use and service. During the warranty period, will repair or replace products which prove to be defective. For warranty service or repair, this product must be returned to the distributor or Buyer shall pay all shipping charges, duties and taxes for products returned to from another country.

Product not manufactured by but included as an integral part of a system (e.g. peripherals, options) are warranted long as warranty provided by the original equipment manufacturer, from date of shipment