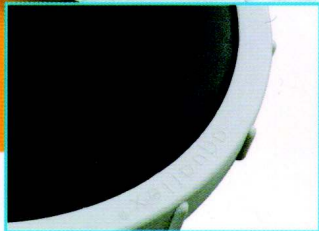


Wastewater **Equipment** For **Aeration** Solution



Disc Diffuser
Plate Diffuser
Tube Diffuser
Grommet
Saddle
Nipple

aquaflex®

Specification
Disc Diffuser
Plate Diffuser
Tube Diffuser
Grommet
Saddle
Nipple

aquaflex®

Aquaflex® 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. **Aquaflex®** is the brand of membrane diffusers (plate, tubes and discs) with a plastic body.

- High oxygen transfer efficiency and low system headloss lead to low energy costs.
- Minimal maintenance is required.
- **Aquaflex®** membrane disc diffusers produce fine bubbles of a average diameter <2 mm.
- Operating air pressure creates peripheral seal to eliminate air leakage
- **Aquaflex®** membrane disc diffusers are highly efficient diffusers, as they are mainly used for oxygen supply of biological waste water treatment plants.
- **Aquaflex®** membrane disc diffusers can be installed with plastic and/or stainless steel pipes and are used for all geometric forms of tanks, but they are extraordinarily good for medium and huge sized tanks.
- Modified **Aquaflex®** membrane disc diffusers are also available for drinking water purposes.



3/4" and 1" outlet supply
Easy mounting application

Specification
Disc Diffuser
Plate Diffuser
Tube Diffuser
Grommet
Saddle
Nipple

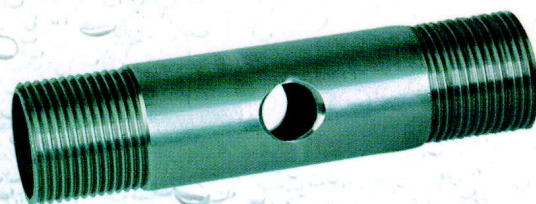
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Wastewater
Equipment



The **Aquaflex®** membrane tube diffusers are suitable for use in municipal wastewater treatment plants with a defined waste water quality. Chemical resistance in municipal and especially in industrial wastewater must be examined by conducting a water analysis or detailed description of the application and discussion with supplier before membranes are ordered and installed. **Aquaflex®** manufactures tube diffusers with saddle or nipple connections to pipe, in a variety of lengths and diameters, and with tube membranes made of EPDM and Silicone. We also make replacement tube membranes competitively priced for other manufacturers products.

- Mounting onto round and square tube laterals.
- Precision die cut openings for high oxygen transfer efficiency and performance;
- The operating pressure (DWP) can be adjusted to the system specification by using different slit patterns varying number and length of slits and the spacing between the slits.



Easy application for two-side connections on square pipes.



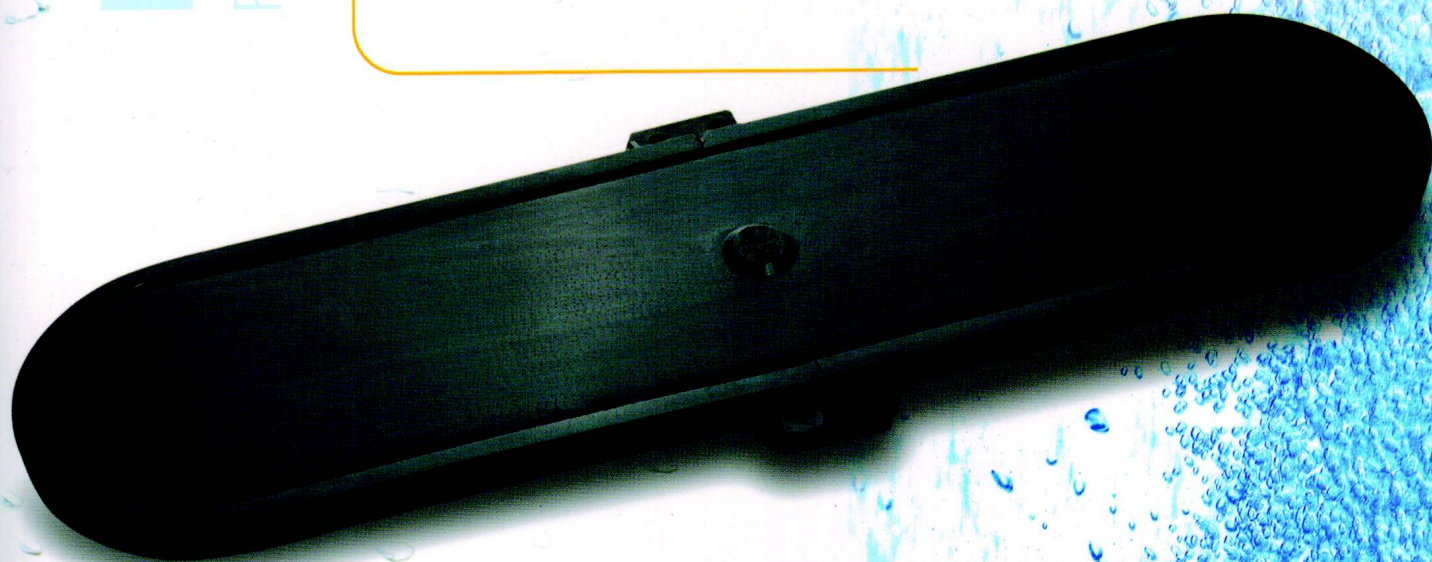
Specification
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Aquaflex® produces modern high efficient aeration equipment, which are mainly used for oxygen transfer into biological waste water treatment. **Aquaflex®** is the brand of membrane diffusers (plate, tubes and disc) with a plastic body.

- **Aquaflex®** membrane plate diffusers have low pressure loss.
- **Aquaflex®** membrane plate diffusers produce fine bubbles of a medium diameter < 2 mm.
- **Aquaflex®** membrane plate diffusers can be installed with plastic and/or stainless steel pipes and are used for all geometric forms of tanks, but they are extra ordinarily good for medium and huge sized tanks.
- **Aquaflex®** membrane plate diffusers are high efficient diffusers, and are mainly used for oxygen supply to biological waste water treatment plants.
- Minimal maintenance is required.



DN63, DN75, DN90, DN110
3/4" and 1" outlet

Wastewater
Equipment
For Aeration Solution

Specification
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aquaflex

Membrane Materials

EPDM for most residential wastewater applications
 Silicone for high temperature applications and municipal treatment plants with high load of industrial waste.

Body Materials

Glass fiber reinforced polypropylene body, ring and mount is available for maximum chemical, temperature and UV resistance.

Aquaflex® is the leading aftermarket manufacturer of replacement membranes for other brands of diffuser. Membranes are produced with the same high quality materials used to produce our own products.

Applications

- * Aeration Tanks
- * Sludge Holding Tanks
- * Aerobic Digesters
- * Sequencing Batch Reactors
- * Channel Aeration
- * Air On/Air Off Processes
- * Membrane Bioreactors



Type	Height or total dia. mm	Dia. or length total/effective mm	Perforated Area m ²	Capacity m ³ /h	Material Of Membrane	Total Weight kg	Outlet
AD230-9" Disc	61	270 / 230	0,039	2-8	EPDM & Silicone	0,68	3/4" Male
AD300-12" Disc	61	340 / 300	0,066	2-10	EPDM & Silicone	0,85	3/4"-1" Male
AD650 Plate	61	270 / 230	0,10	2-14	EPDM & Silicone	1,1	1" Male
ATD63-500 Tube	65	560 / 500	0,10	2-8	EPDM & Silicone	0,6	3/4"-1" Female
ATD63-750 Tube	65	810 / 800	0,15	2-10	EPDM & Silicone	0,9	3/4"-1" Female
ATD63-1000 Tube	65	1060 / 1000	0,20	2-12	EPDM & Silicone	0,12	3/4"-1" Female
ATD90-500 Tube	93	560 / 500	0,15	2-10	EPDM & Silicone	0,95	1" Female
ATD90-750 Tube	93	810 / 750	0,20	2-13	EPDM & Silicone	1,35	1"Female
ATD90-1000 Tube	93	1060 / 1000	0,25	2-16	EPDM & Silicone	1,7	1" Female