

SUBMERSIBLE
AERATION

AQUATUBE[®]

FINE BUBBLE AIR DIFFUSERS

SFA
enviro

AERATION OF ACTIVATED
SLUDGE BASINS IN MUNICIPAL
AND INDUSTRIAL PLANTS

Europelec

MAIN CHARACTERISTICS

Designed for aeration of Activated Sludge Basins in Municipal and Industrial Wastewater Treatment plants.

The AQUATUBE® specific design prevents sedimentation and Optimises Mixing and Oxygen Transfer.

The AQUATUBE® 90 is designed to be installed on DN100 stainless steel pipe or DN110 PVC using simple fastening system.

The AQUATUBE® 70 can be installed on square stainless-steel manifolds or on polypropylene manifolds.



ADVANTAGES

WITH A QUICK ASSEMBLY BY MEANS OF A BRACKET, THE AQUATUBE CAN BE USED FOR BOTH FIXED AND REMOVABLE AERATION SYSTEMS

CERTIFIED BY INRAE, IT IS TODAY ONE OF THE MOST EFFICIENT OXYGENATION TECHNOLOGY IN THE WASTEWATER MARKET

THE POLYPROPYLENE CONSTRUCTION OF THE DIFFUSER BODY PROVIDES EXCELLENT MECHANICAL AND ABRASION STRENGTH, HIGH CHEMICAL RESISTANCE AND OPTIMAL MECHANICAL STRENGTH

THE PERFORATION OF THE EPDM MEMBRANES IS SUCH THAT IT PREVENTS ANY SLUDGE OR LIQUID FROM ENTERING THE FEEDERS WHEN AERATION IS STOPPED

AQUATUBE IS COMPATIBLE WITH HIGH TEMPERATURES (UP TO 110°C)

THIS PRODUCT IS 100% RECYCLABLE

COMPONENTS

1 DIFFUSER BODY

The manufacture of this component in glass-fibre reinforced polypropylene gives it excellent resistance to abrasion, high chemical resistance, and substantial mechanical strength.

2 EPDM MEMBRANE

The Membrane prevents water from penetrating into the feeders when air is stopped.

3 CLAMPS

Manufactured in polypropylene or stainless steel A4 (316L)

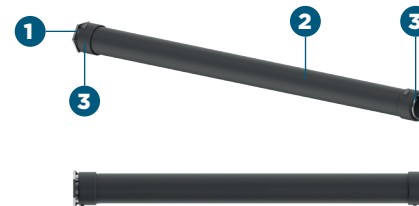
4 POLYPROPYLENE FIXING BRACKETS

Allows simple and easy installation on circular manifold (only for Aqua tube® 90)

AQUATUBE® 70

It can be installed on a square stainless-steel manifold, on a concrete weighted manifold or on a NOEMI polypropylene manifold

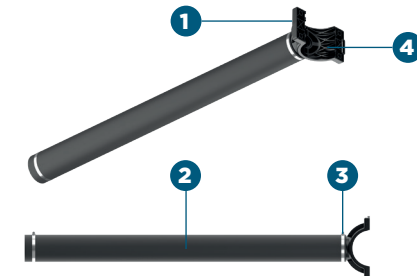
(for more information on NOEMI manifolds. (See the specific leaflet for aeration manifolds).



CHARACTERISTICS
Unit flow rate 1-12 Nm³/h
Nominal flow rate 7.5-9 Nm³/h
Diaphragm diameter 70 mm
Length 1.15 m
Surface area 0.246 m²
Bubble size 1-3 mm
Total weight 1.55 Kg

AQUATUBE® 90

It can be installed on a DN100 stainless steel or DN110 PVC circular manifolds by simple bolting.



CHARACTERISTICS
Unit flow rate 1-12 Nm³/h
Nominal flow rate 8-10 Nm³/h
Diaphragm diameter 90 mm
Length 1.05 m
Surface area 0.297 m²
Bubble size 1-3 mm
Total weight 2 Kg

A STEP AHEAD IN WATER TECHNOLOGY

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