



Shaping the **PRESENT**,
for a **BETTER FUTURE**



Manufacturer of :
**Waste Water Treatment
Equipment and Systems**

Product
BROCHURE
2024



www.aerationequipments.com

www.airfin.tech

ABOUT US...

At AIRFIN, we are dedicated to delivering innovative solutions in the field of wastewater treatment and engineering. As a parent company to multiple specialized subsidiaries, including Jay Engineering, Weltech Pumps, Aqua Inc. and Aqua Bio Plast, we combine the strengths of our diverse expertise to offer comprehensive services and products.

From the manufacturing of aeration diffusers and industrial pumps to the design and development of advanced wastewater treatment systems, our mission is to drive sustainability and efficiency in every project we undertake. With a strong foundation in both engineering and IT, we also provide tailored consulting and software solutions to enhance the operational capabilities of our clients. More than 25,00,000 units and 10,000 Installations at various sites in India & Abroad working Satisfactorily. Well-Equipped In-house testing facilities for our products to meet ASCE Standards for SOTR, SOTE, DO, Air Discharge, Head-loss and Etc...

Driven by a commitment to quality and innovation, AIRFIN Technologies continues to be a trusted partner for industries seeking reliable, high-performance solutions.

35 YEARS OF EXPERTISE IN WASTEWATER TREATMENT

AIRFIN brings over 35 years of combined experience in the wastewater treatment industry, leveraging the collective knowledge and expertise of our specialized subsidiaries-Jay Engineering, Weltech Pumps, Aqua Inc, and Aqua Bio Plast.

Our extensive experience spans the design, development, and implementation of cutting-edge wastewater treatment solutions. We have honed our skills in manufacturing high-performance aeration diffusers, industrial pumps, and advanced filtration systems. This wealth of experience allows us to understand the complexities of wastewater management and to provide tailored solutions that meet the unique needs of our clients.

At AIRFIN , our decades-long expertise ensures that we deliver reliable, efficient, and sustainable wastewater treatment solutions, helping industries achieve compliance and environmental goals with confidence.

OUR CORE VALUES...



Customer:
First, Always



Our People:
Our Strength



Quality Policy:
Non Negotiable



Commitment:
We Keep Our Words



Excellence:
We Give Our Best



VISION...

Our Vision is to boost the company to one of leaders in pumping industries. Without losing our focus on Quality and Reliability in our products all the while bringing technological innovations in the pumping industries for generations to come.

MISSION...

Redefine Quality, With numerous small time diffuser manufacturers popping up all across India with inferior product understanding. AIRFIN aims to set a standard of quality.

We emphasize quality, No, we obsess 3 over it. There's no reason to keep sending service support when you can design a product that won't fail.

Redefine Reliability, Customers have disregarded purchasing reliable components for the sake of budgets, Leading to repeated replacements in parts. AIRFIN aims to provide affordable solutions.

We emphasize reliability by 3 designing quality components, manufacturing products within absolute tolerances



AIRFIN DIFFUSERS FEATURES

- EPDM/Silicon/HTPU and other specially compounded material
- Heavy duty full membrane support non -corrosive accessories
- Maximum oxygen transfer efficiency 0.60, 1.0, 1.2, 1.5 & 2 mm pore size available
- Backflow prevention features
- Buoyant/Non buoyant designs
- Maximum life expectancy @7-8 years with Regular cleaning frequency
- Material properties tested by International Organization or Other TPI Agencies
- Mechanical/chemical cleaning system for clogged diffusers
- Factory assembled diffuser for ease of operation
- System expandability in field without special tools requirement
- Partial/ complete replacement systems
- Self purging system
- Fixed/ floating(retrievable) design
- Light weight for ease of installation

AREA OF APPLICATION & INDUSTRIES

- Activated sludge system
- Oxidation pond (stabilization pond)
- Aerated lagoons
- Aerobic digester units
- Intermittent (on/off) aeration Blending liquids
- Electroplating technology
- Stripping gases
- Blending liquids
- Municipal Waste water treatment
- Sewage treatment plant
- Pharmaceutical industries
- Pulp and paper industries
- Food and beverages industries
- Chemical industries
- Leather industries
- Textile industries
- Aqua culture process etc....



PRODUCT OVERVIEW



FINE BUBBLE TUBULAR DIFFUSERS

• • • • •

• AIRFIN 600 Ø63 x 620mm	07
• AIRFIN 1 Ø63 x 1020mm	08
• AIRFIN 2 Ø75 x 1020mm	09
• AIRFIN 3 Ø90 x 1020MM	10
• AIRFIN 4 Ø114 x 1360mm	11
• AIRFIN HUB 1.4 mtr.	12
• AIRFIN HUB 2.2 mtr.	12
• C-SADDLE Ø63 x 2000 x 90	13
• AIRFIN VMD 250	14



FINE BUBBLE DISC DIFFUSERS

• • • • •

• DISC 270 - 9"	16
• DISC 350 - 12"	16



COARSE BUBBLE DIFFUSERS

• • • • •

• JCB 80 - 3"	17
• JCB 100 - 4"	18
• JCB 150 - 6"	18
• WB 800	19



RETRIEVABLE SYSTEMS & ACCESSORIES

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MATERIAL & MECHANICAL PROPERTIES



Mechanical Properties for Tubular Membrane

Mechanical Parameters	EPDM	EPDM Pro	Silicon	HTPU
Colour	Black	Black	Aqua Blue Opaque White Milky White	Transparent
Density Gm/CC (ASTM D-792)	1.22	1.05	1.17	1.2
Wall Thickness	1.8 ± 0.2 mm overall	1.8 ± 0.2 mm overall	1.8 ± 0.2 mm overall	0.75 ± 0.5 mm overall
Hardness (ASTM D 2240)	45 ± 6 shore "A" 53 ± 6 shore "A"	45 ± 6 shore "A" 53 ± 6 shore "A"	60 ± 5 shore "A" 50 ± 5 shore "A"	87 ± 5 shore "A"
Tensile Strength at break - Kg/cm ² ASTM D 412)	82 Kg/cm ²	83 Kg/cm ²	93 Kg/cm ²	557 Kg/cm ²
Elongation at break (%) (ASTM D 412)	473%	787%	1166%	692%
Tear Strength Kg/cm (ASTM D 624)	42 Kg/cm	35 Kg/cm	46 Kg/cm	NA

Environmental Resistance Test

Mechanical Parameters	EPDM	EPDM Pro	Silicon	HTPU
Ozone Resistance 75hrs, 40°C, 50mPa partial Ozone Pressure Non-Cracking (ASTM D 1171-94)	Non Cracking	Non Cracking	Non Cracking	Non Cracking
Low Temp, Property -40°C, Non Brittle (ASTM D 832-92)	Non Brittle	Non Brittle	Non Brittle	Non Brittle
Max Operating Air Temperature °C	115	115	175	80

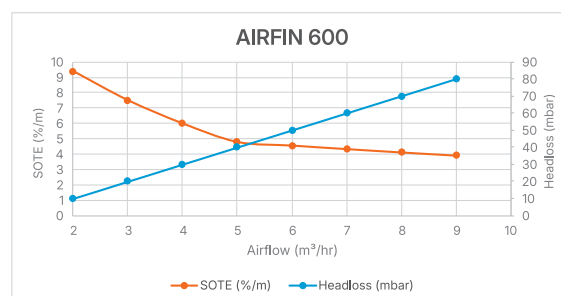
What Makes Our Membranes Unique

EPDM	Premium EPDM with long service life and market leading quality. EPDM is used in municipal, sewage and many industrial applications.
EPDM Pro	Statistically, The Highest Elongation for a EPDM membrane in the world. Provides very good resistant to polar material such as ketones and alcohols.
Silicon	Statistically, The Strongest Silicon membrane in the world. 40% stronger than the nearest competition. Resistant to Solvents, Oils & Acids.
HTPU	Gold Standard for superior aeration in wastewater treatment, combining durability and efficiency for optimal results. Resistant to hydrocarbon oils and Aeromatic solvents, Pulp & Paper Effluent, Food Processing Application.

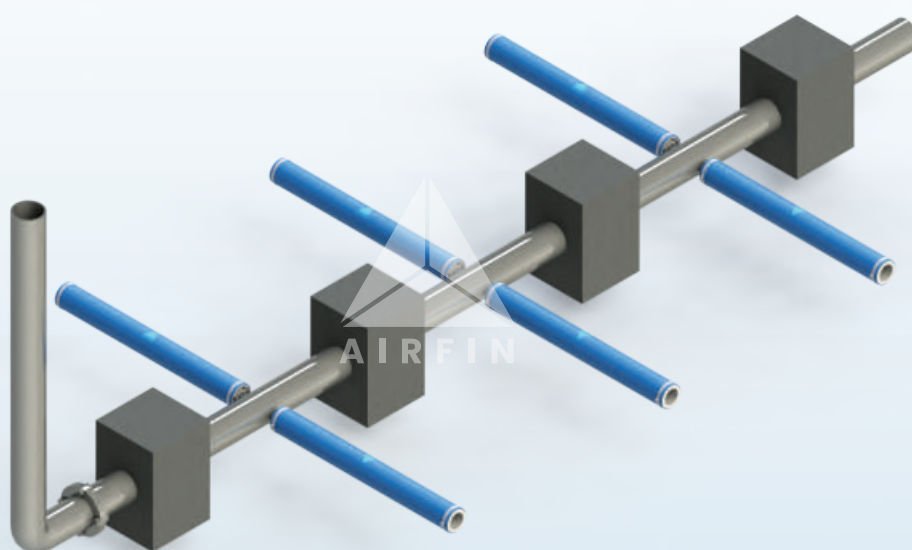
AIRFIN 600

PRODUCT SPECIFICATIONS

Specifications	AIRFIN 600
Size	Ø63 x 620 mm / 2.6 x 24"
Membrane ID	Ø63 mm
Perforation Length & No. of Perforation	600 mm / 8435 Nos.
Perforation Size	0.65 / 1 / 1.2 / 1.5 mm
Active Surface Area	0.13 m ²
Air flow range / Diffuser	2 - 7.5 m ³ /hr.
Bubble Size	1-2 mm
Standard Design Flow @ 3m Depth	5 m ³ /hr
SOTE % @ 3mt Depth@ 1mm Perforation Oxygen	14.4%
Typical Standard Aeration Efficiency	6 - 4.2 Kg O ₂ /KWh
Area of Influence	0.3-1 m ²
MOC of Support Pipe	ABS + uPVC/PP - Ø63mm OD
Weight	1Kg



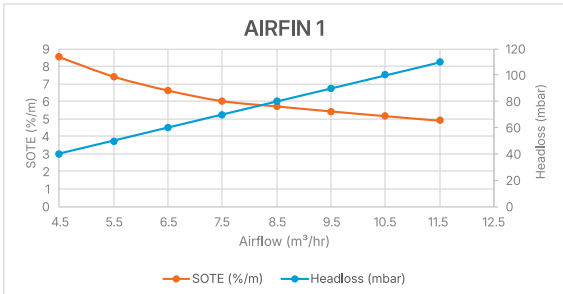
Standard Oxygen Transfer Efficiency (SOTE) and Headloss for AIRFIN-600 Performance



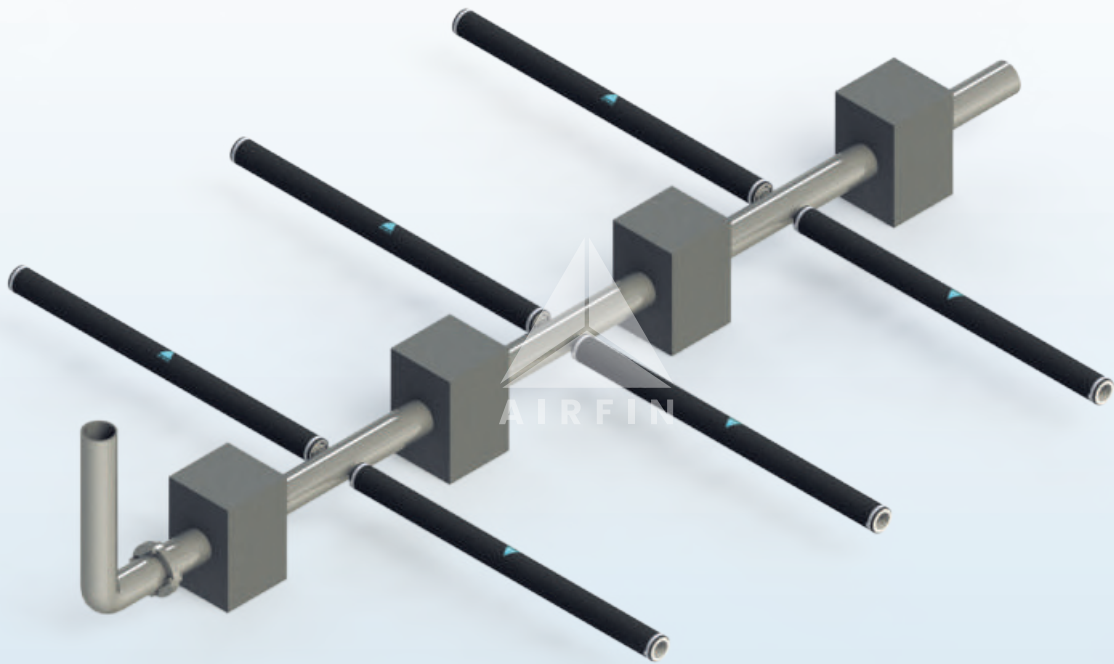
AIRFIN 1

PRODUCT SPECIFICATIONS

Specifications	AIRFIN 1
Size	Ø63 x 1020 mm / 2.6 x 40"
Membrane ID	Ø63 mm
Perforation Length & No. of Perforation	1000 mm / 14080 Nos.
Perforation Size	0.65 / 1 / 1.2 / 1.5mm
Active Surface Area	0.21 m ²
Air flow range / Diffuser	2 - 15 m ³ /hr.
Bubble Size	1-2 mm
Standard Design Flow @ 3m Depth	10 m ³ /hr
SOTE % @ 3mt Depth@ 1mm Perforation Oxygen	18.06%
Typical Standard Aeration Efficiency	6.8 - 5.1 Kg O ₂ /KWh
Area of Influence	0.4-1.5 m ²
MOC of Support Pipe	ABS + uPVC/PP - Ø63 mm OD
Weight	1.8Kg



Standard Oxygen Transfer Efficiency (SOTE) and Headloss for AIRFIN-1 Performance



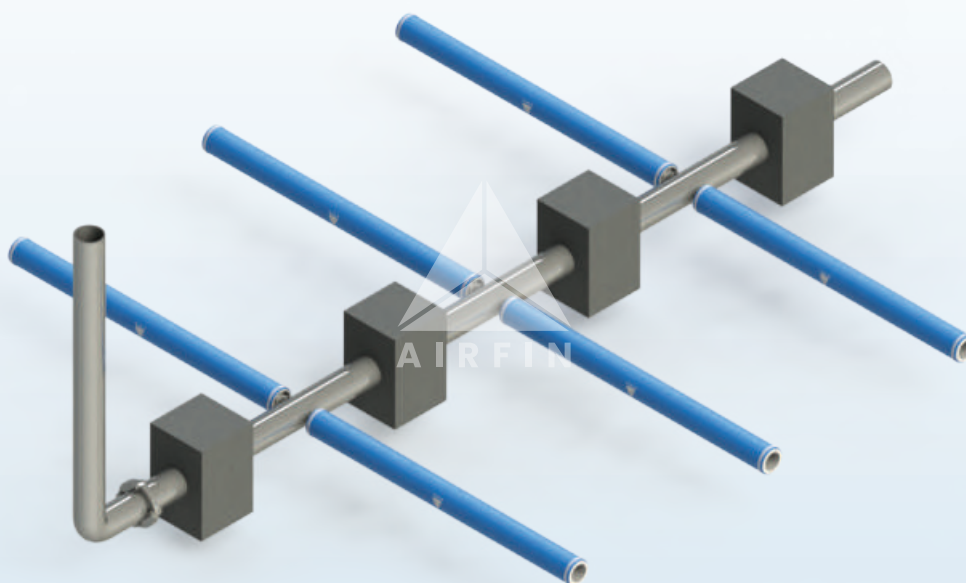
AIRFIN 2

PRODUCT SPECIFICATIONS

Specifications	AIRFIN 2
Size	Ø75 x 1020 mm / 3.5 x 40"
Membrane ID	Ø75 mm
Perforation Length & No. of Perforation	1000 mm / 19500 Nos.
Perforation Size	0.65 / 1 / 1.2 / 1.5 mm
Active Surface Area	0.26 m ²
Air flow range / Diffuser	2 - 20 m ³ /hr.
Bubble Size	1-2 mm
Standard Design Flow @ 3m Depth	12 m ³ /hr
SOTE % @ 3mt Depth@ 1mm Perforation Oxygen	25.26%
Typical Standard Aeration Efficiency	10.2 - 6.7 Kg O ₂ /KWh
Area of Influence	0.75-2.5 m ²
MOC of Support Pipe	ABS + uPVC - Ø75 mm OD
Weight	2.2Kg



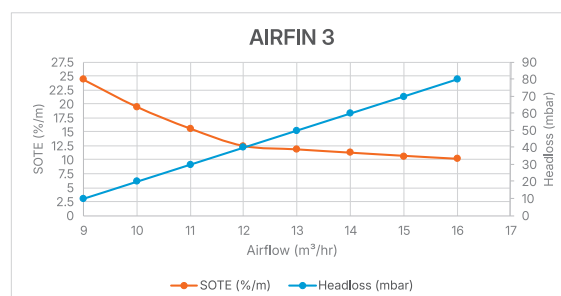
Standard Oxygen Transfer Efficiency (SOTE) and Headloss for AIRFIN 2 Performance



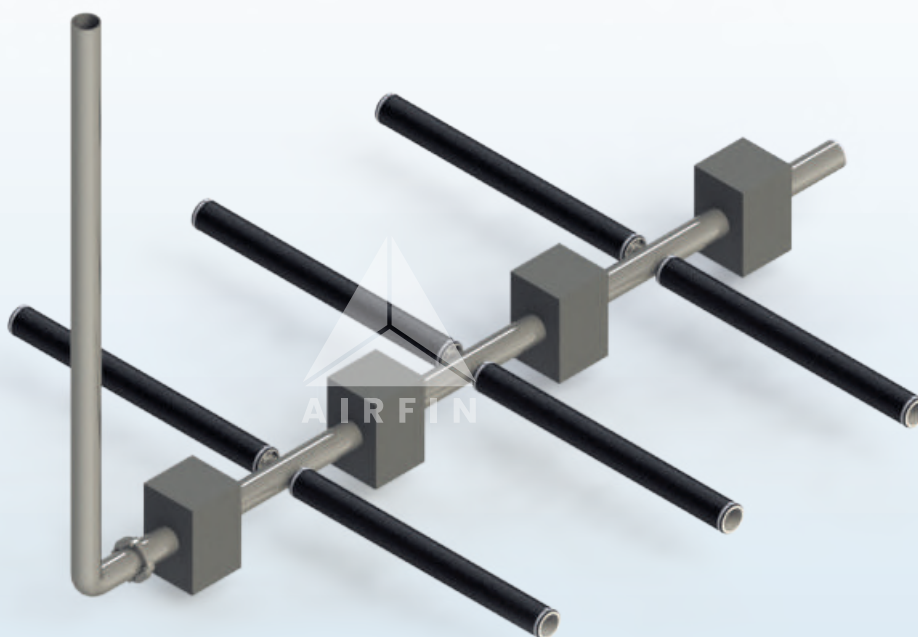
AIRFIN 3

PRODUCT SPECIFICATIONS

Specifications	AIRFIN 3
Size	Ø90 x 1020 mm / 3.6 x 40"
Membrane ID	Ø90 mm
Perforation Length & No. of Perforation	1000 mm / 22500 Nos.
Perforation Size	0.65 / 1 / 1.2 / 1.5 mm
Active Surface Area	0.3 m ²
Air flow range / Diffuser	2 - 20 m ³ /hr.
Bubble Size	1-2 mm
Standard Design Flow @ 3m Depth	15 m ³ /hr
SOTE % @ 3mt Depth@ 1mm Perforation Oxygen	37.5%
Typical Standard Aeration Efficiency	15.2 - 11.5 Kg O ₂ /KWh
Area of Influence	1-3 m ²
MOC of Support Pipe	ABS + uPVC - Ø90 mm OD
Weight	2.5Kg



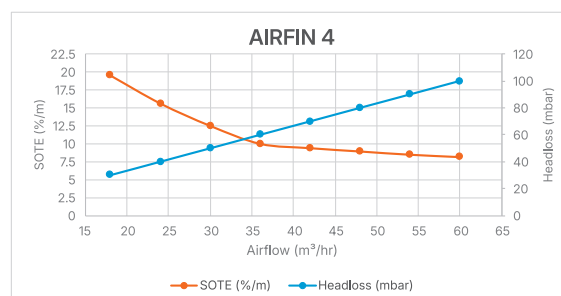
Standard Oxygen Transfer Efficiency (SOTE) and Headloss for AIRFIN 3 Performance



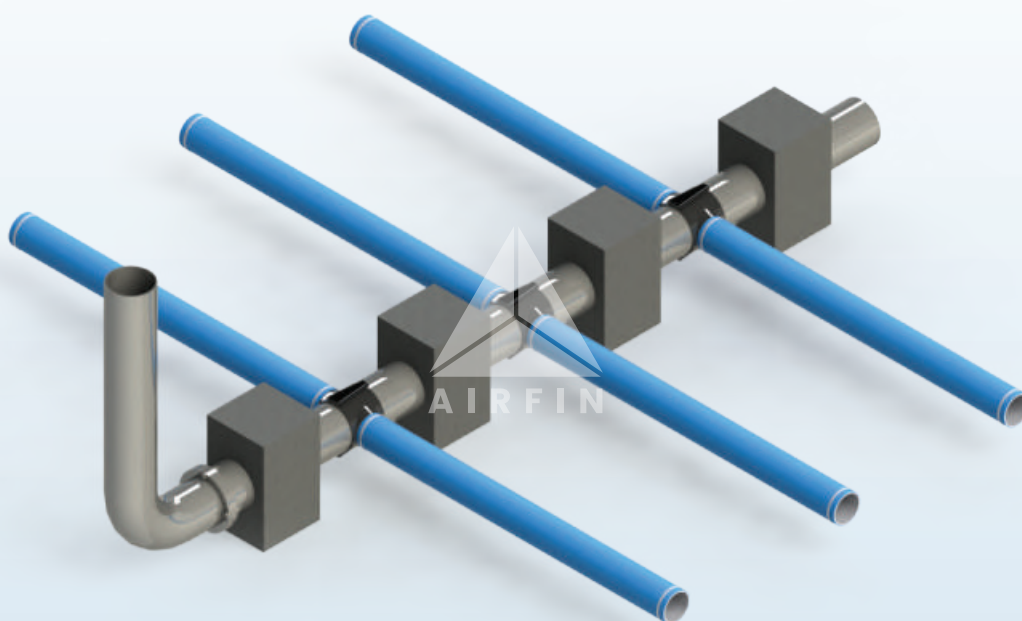
AIRFIN 4

PRODUCT SPECIFICATIONS

Specifications	AIRFIN 4
Size	Ø114 x 1360 mm / 4.4 x 44.8"
Membrane ID	Ø114 mm
Perforation Length & No. of Perforation	1320 mm / 20000 or Optional
Perforation Size	1 / 1.2 / 1.5 / 2 mm
Active Surface Area	0.245 m ² - 0.49m ²
Air flow range / Diffuser	4 - 70 m ³ /hr.
Bubble Size	1-4 mm
Standard Design Flow @ 3m Depth	36 m ³ /hr
SOTE % @ 3mt Depth@ 1mm Perforation Oxygen	30%
Typical Standard Aeration Efficiency	12.5 - 9.2 Kg O ₂ /KWh
Area of Influence	1.5-4.5 m ²
MOC of Support Pipe	ABS + uPVC - Ø114 mm OD
Weight	7Kg



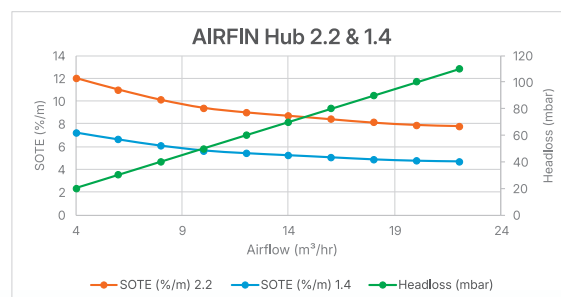
Standard Oxygen Transfer Efficiency (SOTE) and Headloss for AIRFIN 4 Performance



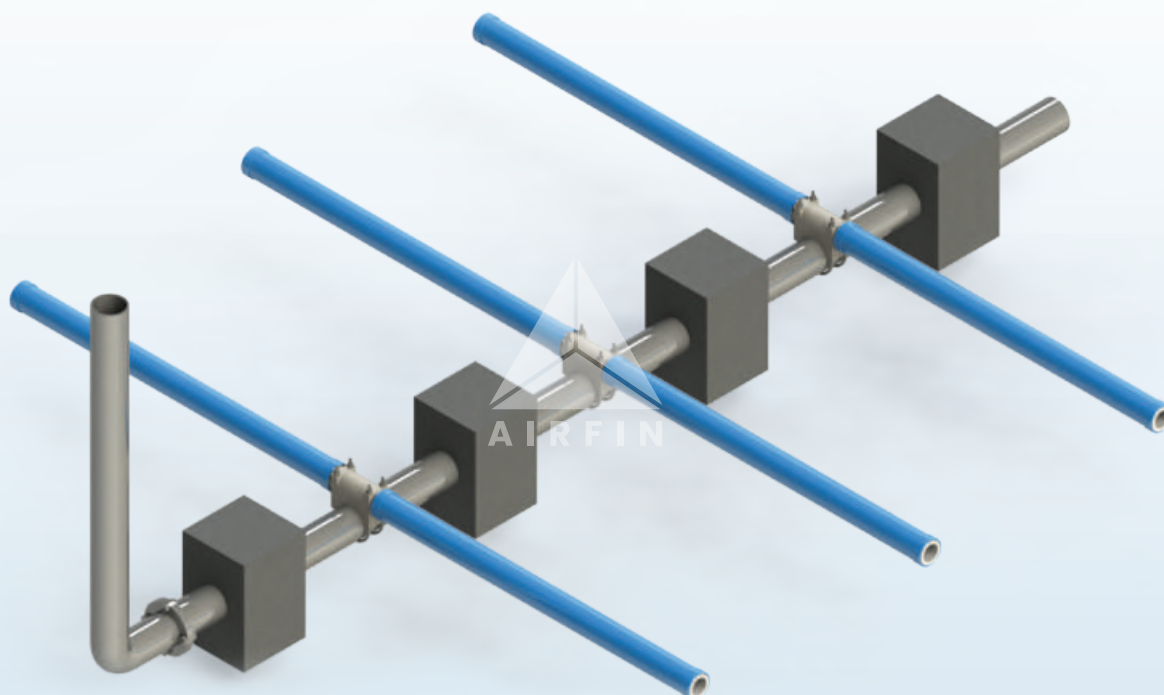
AIRFIN HUB 2.2 / 1.4

PRODUCT SPECIFICATIONS

Specifications	AIRFIN Hub 2.2	AIRFIN Hub 1.4
Size	Ø63 x 2200 mm / 2.6 x 86"	Ø63 x 1400 mm / 2.6 x 55"
Membrane ID	Ø63 mm	Ø63 mm
Perforation Length & No. of Perforation	1000 + 1000mm / 28160 Nos.	600 + 600 mm / 16870 Nos.
Perforation Size	0.65 / 1 / 1.2 / 1.5 mm	0.65 / 1 / 1.2 / 1.5 mm
Active Surface Area	0.42 m ²	0.26 m ²
Air flow range / Diffuser	4 - 20 m ³ /hr.	2 - 15 m ³ /hr.
Bubble Size	1-2 mm	1-2 mm
Standard Design Flow @ 3m Depth	20 m ³ /hr	10 m ³ /hr
SOTE % @ 3mt Depth@ 1mm Perforation Oxygen	27%	16.2%
Typical Standard Aeration Efficiency	9.8 - 8 Kg O ₂ /KWh	6 - 5 Kg O ₂ /KWh
Area of Influence	0.4-3.5 m ²	0.3-2.5 m ²
MOC of Support Pipe	ABS + uPVC - Ø63 mm OD	ABS + uPVC - Ø63 mm OD
Weight	4Kg	2.4Kg



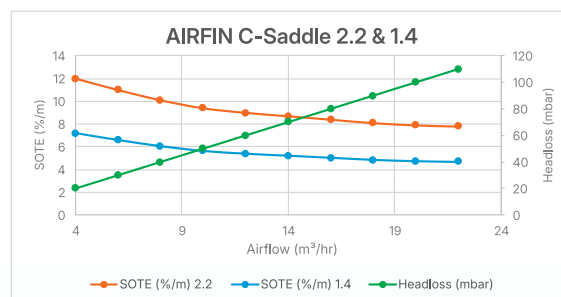
Standard Oxygen Transfer Efficiency (SOTE) and Headloss for AIRFIN 1.4 & 2.2 Performance



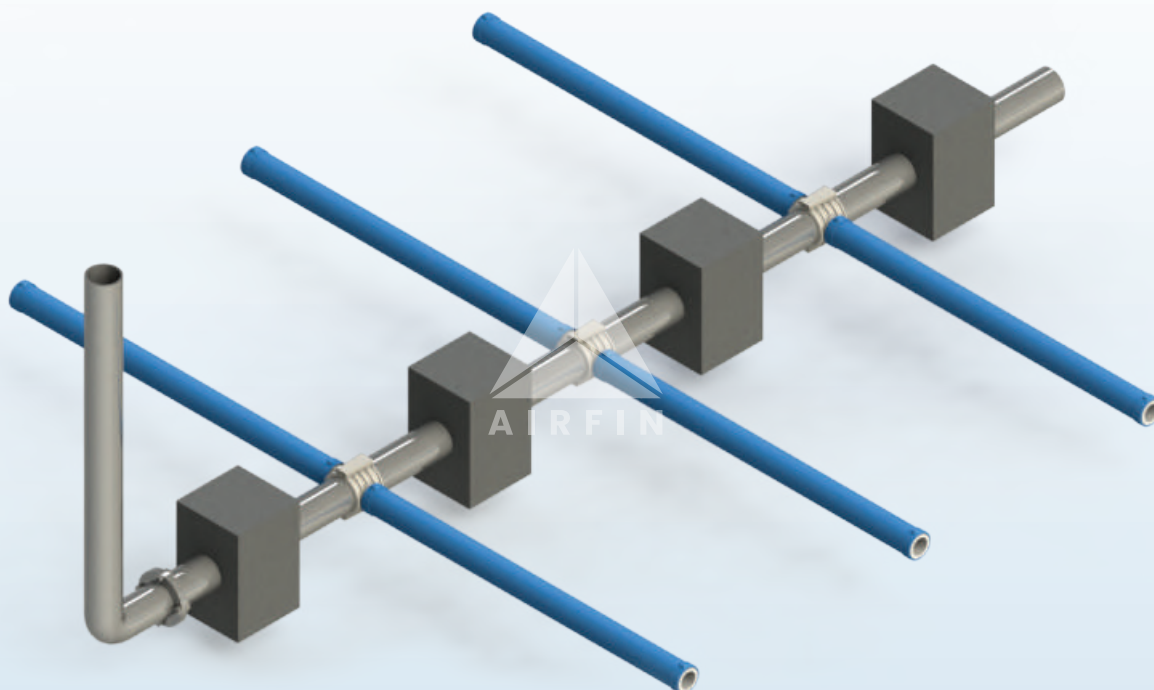
AIRFIN C-Saddle 2.2 / 1.4

PRODUCT SPECIFICATIONS

Specifications	AIRFIN C-Saddle 2.2	AIRFIN C-Saddle 1.4
Size	Ø63 x 2200 mm / 2.6 x 86"	Ø63 x 1400 mm / 2.6 x 55"
Saddle Dia (Pipe OD)	Ø90 mm	Ø90 mm
Membrane ID	Ø63 mm	Ø63 mm
Perforation Length & No. of Perforation	1000 + 1000 mm / 28160 Nos.	600 + 600 mm / 16870 Nos.
Perforation Size	0.65 / 1 / 1.2 / 1.5 mm	0.65 / 1 / 1.2 / 1.5 mm
Active Surface Area	0.42 m ²	0.26 m ²
Air flow range / Diffuser	4 - 20 m ³ /hr.	2 - 15 m ³ /hr.
Bubble Size	1-2 mm	1-2 mm
Standard Design Flow @ 3m Depth	20 m ³ /hr	10 m ³ /hr
SOTE % @ 3m Depth@ 1mm Perforation Oxygen	27%	16.2%
Typical Standard Aeration Efficiency	9.8 - 8 Kg O ₂ /KWh	6 - 5Kg O ₂ /KWh
Area of Influence	0.4-3.5 m ²	0.3-2.5 m ²
MOC of Support Pipe	ABS + uPVC - Ø63 mm OD	ABS + uPVC - Ø63 mm OD
Weight	4Kg	2.4Kg



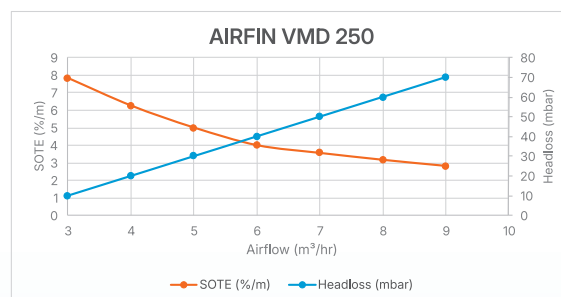
Standard Oxygen Transfer Efficiency (SOTE) and Headloss for AIRFIN C-Saddle 1.4 & 2.2 Performance



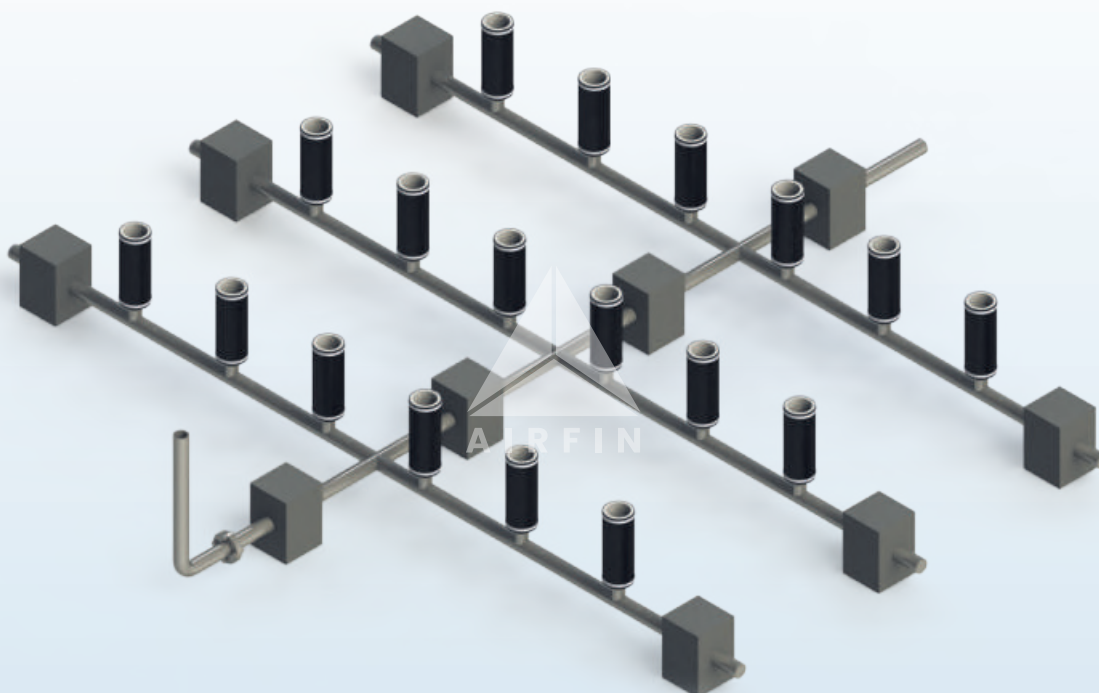
AIRFIN VMD 250

PRODUCT SPECIFICATIONS

Specifications	AIRFIN VMD 250
Size	Ø90 x 250 mm Long
Membrane ID	Ø90 mm
Perforation Length & No. of Perforation	250 mm / 7300 Nos.
Perforation Size	0.65 / 1 / 1.2 / 1.5 mm
Active Surface Area	0.07 m ²
Air flow range / Diffuser	0 - 8 m ³ /hr.
Bubble Size	1-2 mm
Standard Design Flow @ 3m Depth	6 m ³ /hr
SOTE % @ 3mt Depth@ 1mm Perforation Oxygen	12%
Typical Standard Aeration Efficiency	5 - 3.8 Kg O ₂ /KWh
Area of Influence	0.1-0.6 m ²
MOC of Support Pipe	ABS+uPVC - Ø90 mm OD
Weight	0.80 Kg
Application	Ideal for SAFF system, for High TDS, SS contained Effluent



Standard Oxygen Transfer Efficiency (SOTE) and Headloss for AIRFIN VMD 250 Performance



Disc Diffuser Membrane

Mechanical Properties for Disc Diffuser Membrane

Mechanical Parameters	EPDM / PTFE layered EPDM	Silicon
Colour	Black	Aqua Blue Opaque White Milky White
Density Gm/cc (ASTM D 792)	1.2	1.25
Wall Thickness	2mm overall	2mm overall
Hardness (ASTM D 2240)	60 ± 5 shore "A"	60 ± 5 shore "A"
Tensile Strength at Break Kg/cm ² (ASTM D 412)	140 Kg/cm ²	90 Kg/cm ²
Elongation at Break (%) (ASTM D 412)	600%	450%
Tear Strength Kg/cm (ASTM D 624)	6.25 Kg/cm	10.5 Kg/cm

Environmental Resistance Test

Mechanical Parameters	EPDM / PTFE layered EPDM	Silicon
Ozone Resistance 75hrs, 40°C, 50mPa partial Ozone Pressure Non-Cracking (ASTM D 1171-94)	Non-Cracking	Non-Cracking
Low Temp. Property - 40°C Non Brittle (ASTM D 832-92)	Non-Brittle	Non-Brittle
Max. Operating Air Temperature °C	115	175



EPDM



PTFE Layered EPDM



Silicon

AIRFIN Fine Bubble Disc Type Diffuser

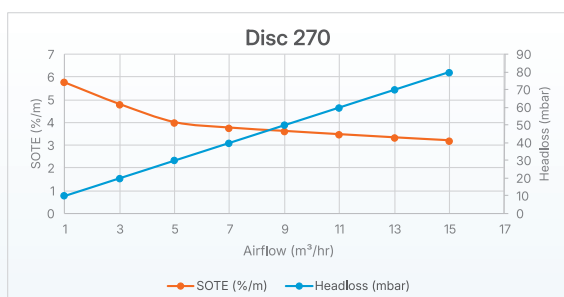
MOC : EPDM / Silicon / Viton / PTFE Layered EPDM

PRODUCT SPECIFICATIONS

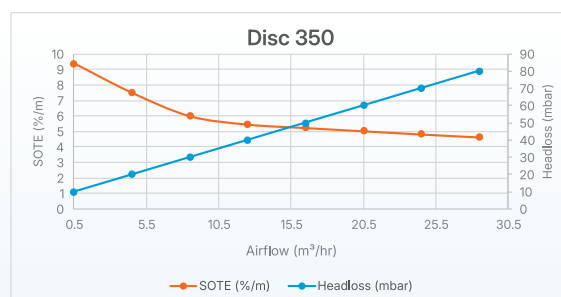
Specifications	Disc 270	Disc 350
Airflow Range	1 - 12 m ³ /hr	2 - 20 m ³ /hr
Standard Design Flow	2.5 - 5 m ³ /hr	4 - 8.5 m ³ /hr
Perforated Area	0.0375 m ²	0.065 m ²
No. of Perforations	6600 Nos.	10,160 Nos.
Active Surface Area	0.038 m ²	0.065 m ²
Perforation Size	1 mm	1 mm
Bubble Size	0.8 to 1.9 mm	0.8 to 1.9 mm
Area of Influence	0.2 - 1 m ² /Pcs	0.3 - 1.5 m ² /Pcs
SOTE@ 3mt Depth@ 1mm Perforation Oxygen	12%	18%
Typical Standard Aeration Efficiency	2.5 - 1.5 Kg O ₂ /KWh	3.5 - 2.5 Kg O ₂ /KWh
Max. Allowable Air Pressure	1.5 Kg/cm ²	1.5 Kg/cm ²
Connection	3/4" Inches NPT Male	3/4" Inches NPT Male
Max. Permissible Tank Depth	7.5 m	7.5 m
Weight	0.7 Kg	1.5 Kg



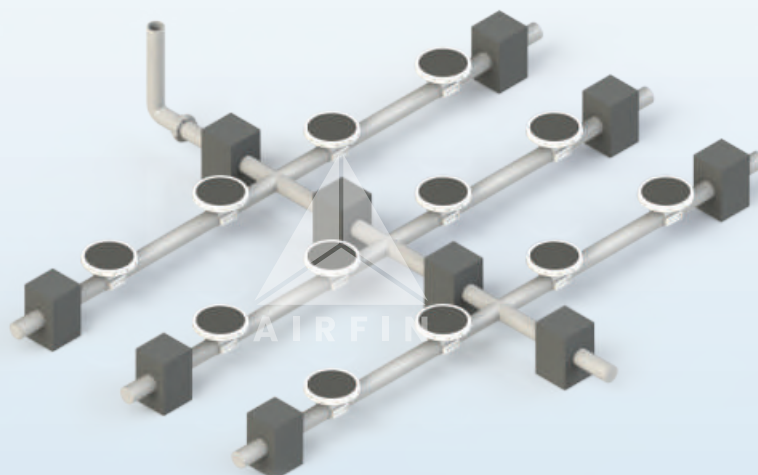
Fine bubble diffusers are a crucial component in waste water treatment systems, particularly in aeration processes. These devices are designed to more oxygen transfer efficiently as compared to fine bubble tubular diffuser into the wastewater, facilitating the growth of microorganisms that break down pollutants. We have two different sizes.



Standard Oxygen Transfer Efficiency (SOTE) and Headloss for Disc 270 Performance



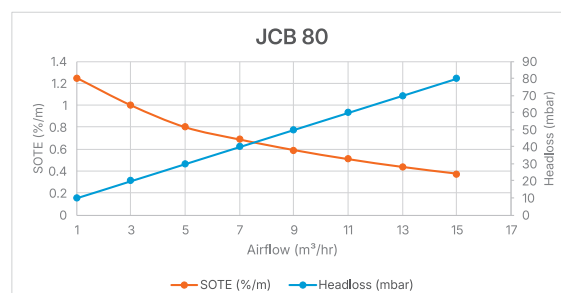
Standard Oxygen Transfer Efficiency (SOTE) and Headloss for Disc 350 Performance



AIRFIN Coarse Bubble Disc Type Diffuser

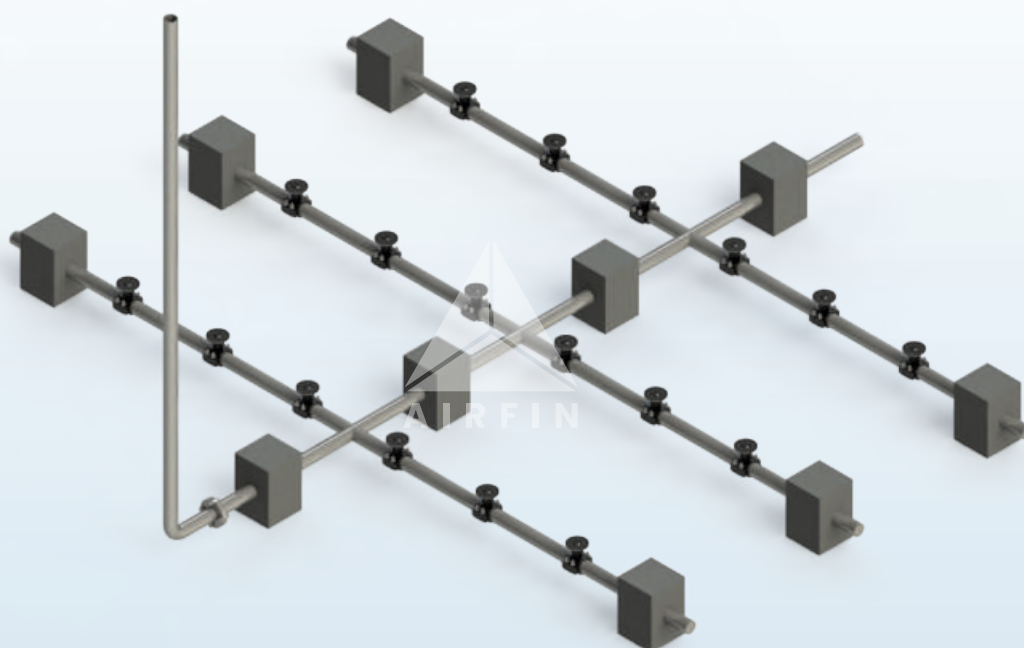
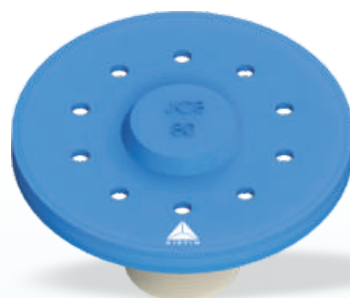
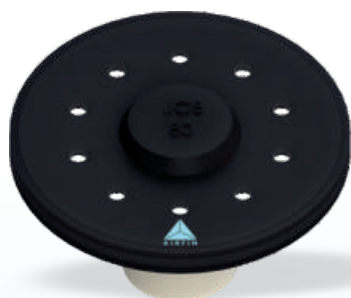
PRODUCT SPECIFICATIONS

Specifications	JCB 80
Size Dia.	Ø80 mm (3")
Air Discharge from	Top
Air Discharge Ports	10
Standard Airflow / Diffuser	1 - 5 m ³ /hr
Airflow Range / Diffuser	1 - 15 m ³ /hr
Minreq. Qty. for Mixing m ²	2
Base MOC	PP / Steel
Special Arrangement	Non Clog
Weight	40 gm
Bubble Size	4 - 5 mm
End Connection	3/4" BSP



Standard Oxygen Transfer Efficiency (SOTE) and Headloss for JCB 80 Performance

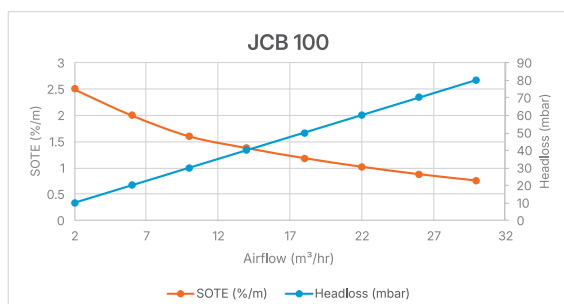
AIRFIN's JCB Coarse Bubble Diffusers are designed for equalization, mixing, scouring, aerobic digester & scrubbing applications, ensuring high oxygen transfer efficiency. They are durable and reliable, suitable for demanding conditions in wastewater treatment and air scrubbing. AIRFIN guarantees quality and innovation to enhance efficiency and longevity, offering a tailored solution for cost reduction and environmental compliance.



AIRFIN Coarse Bubble Disc Type Diffuser

PRODUCT SPECIFICATIONS

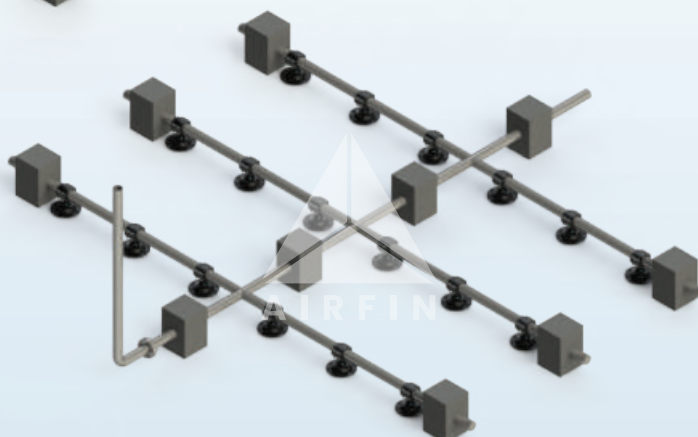
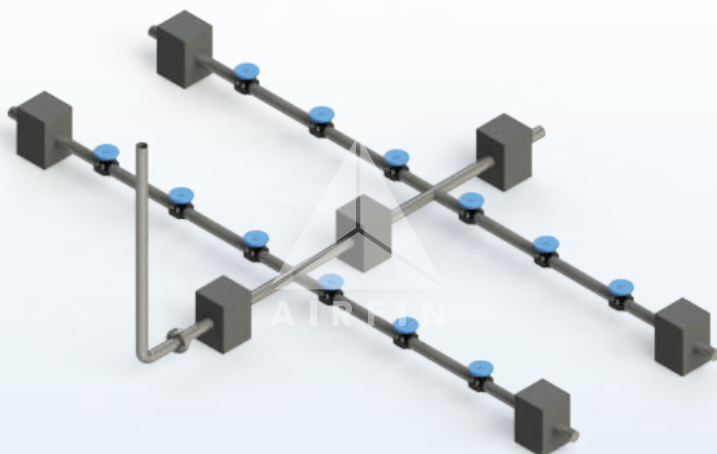
Specifications	JCB 100	JCB 150
Size Dia	Ø105 mm (4")	Ø150 mm (6")
Air Discharge from	Bottom	Peripheral
Air Discharge Ports	16	8
Standard Airflow / Diffuser	1 - 10 m ³ /hr	1 - 10 m ³ /hr
Airflow Range / Diffuser	2 - 25 m ³ /hr	4 - 25 m ³ /hr
Min req. Qty. for Mixing m ²	1	1
Base MOC	Nylon	ABS
Special Arrangement	Non Clog	Non Clog
Weight	100 gm	120 gm
Bubble Size	4 - 5 mm	4 - 5 mm
End Connection	3/4" NPT	1" BSP



Standard Oxygen Transfer Efficiency (SOTE) and Headloss for JCB 100 Performance



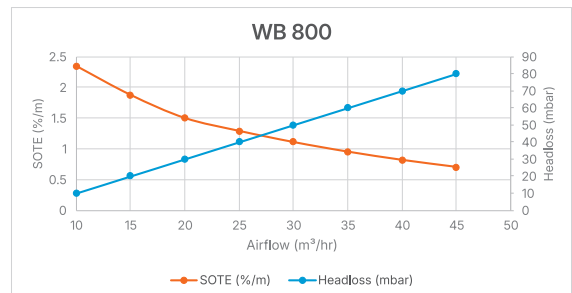
Standard Oxygen Transfer Efficiency (SOTE) and Headloss for JCB 150 Performance



AIRFIN Coarse Bubble Tubular Diffuser

PRODUCT SPECIFICATIONS

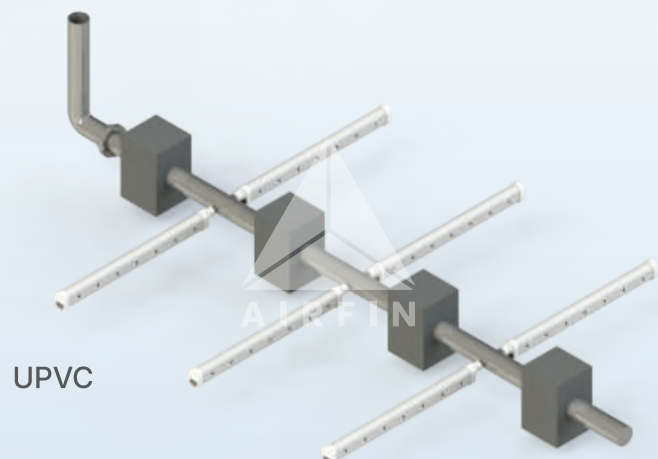
Specifications	WB 800	WB 800
Size	800 mm	800 mm
Airflow Range / Diffuser	0 - 40 m ³ /hr	0 - 40 m ³ /hr
MOC	uPVC + ABS	SS 304 / 316
Standard Design Flow	20 m ³ /hr	20 m ³ /hr
Connection Size	3/4" BSP	3/4" BSP
Diameter of Small / Big Orifice	4/12 mm	4/12 mm
Bubble Size	5 - 15 mm	5 - 15 mm
Total No. of Perforation	26 / 44 Nos.	26 / 44 Nos.
Weight	0.6 Kg	1.6 Kg



Standard Oxygen Transfer Efficiency (SOTE) and Headloss for WB 800 Performance

The design and functionality of coarse bubble tubular diffusers in wastewater treatment focus on their ability to produce larger bubbles, provide effective mixing, resist clogging and fouling, and handle the unique challenges of treating wastewater with higher solids concentrations. These diffusers play critical role in ensuring efficient aeration and treatment processes in various tank applications. We have different MOC in tubular coarse bubble diffuser.

These are also useful for MBRS couring applications.



Retrievable Block & Accessories

PRODUCT SPECIFICATIONS

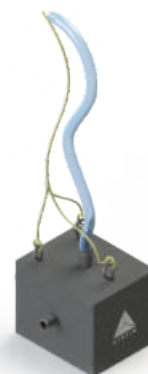
No.	Description
01	RCC Block (250 x 200 x 200 mm)
02	Eye Bolt (Ø6 / 8 / 10 mm)
03	M-8 / 10 x 125 mm SS Bolt (For Clamp)
04	3/4" / 1" Thd. SS Tee
05	SS Clamp for Tee (as per 3/4" / 1")
06	M-8 / 10 mm Nut
07	3/4" / 1" Hose Nipple
08	Hose Pipe Clamp SS (10 / 16 / 25 mm)
09	Braided Hose Pipe (ID Ø10 / 16 / 25 mm)



Retrievable Block



Grouted Retrievable Block



Support Accessories



SS Support Clamp



Support Block

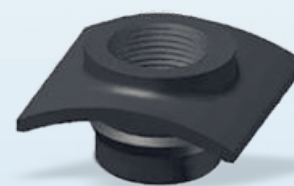
Connector & Stepless Clamp



3/4" BSP & 1" BSP



SS Stepless Clamp



Grommet

Support Saddles & C-Saddle

PRODUCT SPECIFICATIONS

AIRFIN's Saddle Systems are designed to be cost Effective and easy to install.

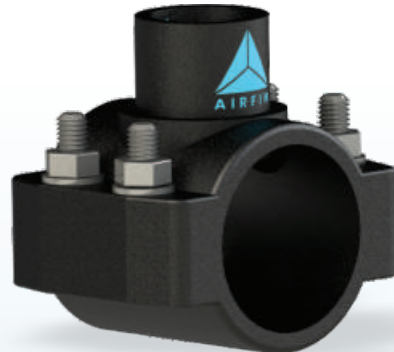
These systems not only save on installation time but also reduce overall project expenses. Crafted with high-quality materials, they ensure durability and long lasting performance. Their user-friendly design allows for swift and hassle-free setup, making them an ideal choice for various industrial applications. Whether you're working on large-scale construction projects or smaller, specialized tasks, AIRFIN's Saddle Systems provide a reliable solution that enhances efficiency and productivity.



Support Saddle for
Fine Bubble Disc Diffuser

Application	Aeration Tank with Disc Diffusers
Sizes	Ø90 mm

Application	Scrubbers / EQT Tank / Aeration Tank
Sizes	2" to 12"



Support Saddle for
Coarse Bubble Disc Diffuser

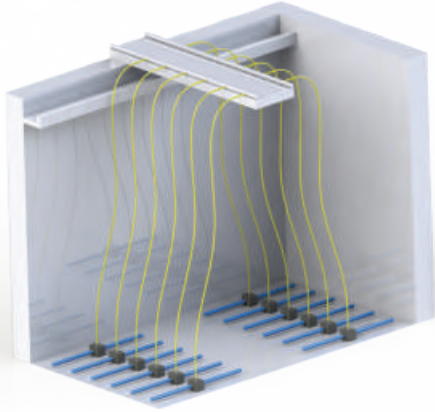


C-Saddle

Application	Aeration Tank with Tubular Diffusers
Sizes	Ø90 & 110 mm

Our Package Plants

PRODUCT SPECIFICATIONS



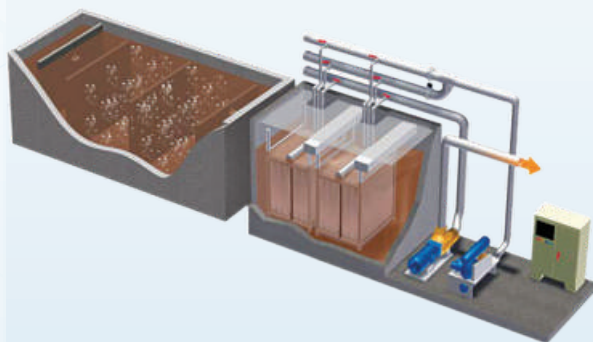
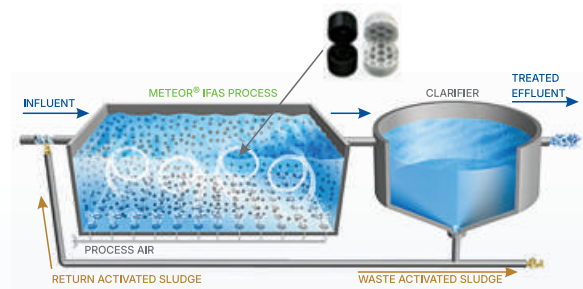
CAS Aeration Systems (BIOAIR™)

Complete Conventional Aeration System Design and Supply with Blowers, EQT Grid, Aeration Grid, Diffusers, and Settling Media.

MBBR Aeration Systems (BIOAIR+™)

Complete MBBR Aeration System Design and Supply with HOPE MBBR Media, Blowers, EQT Grid, Aeration Grid, Diffusers, and Settling Media.

Moving Bed Bioreactors (MBBR)



MBR Aeration Systems (ALTAIR™)

Complete MBR Aeration System Design and Supply with HDPE MBBR Media, Blowers, EQT Grid, Aeration Grid, Diffusers, and Settling Media and MBR Membranes in collaboration with BluFox Membranes & Albion

Our Services



Inspection

Our expert team at AIRFIN provides comprehensive inspection services to ensure your wastewater treatment systems are functioning optimally. We conduct thorough assessments of equipment, identify potential issues, and recommend preventive measures to avoid costly downtimes. Our inspections are designed to maintain the efficiency and longevity of your systems, ensuring compliance with industry standards and regulations.

Installation

AIRFIN offers professional installation services for all wastewater treatment equipment and systems. Our skilled technicians handle every aspect of the installation process, from initial setup to final calibration, ensuring that your systems are integrated seamlessly into your operations. We prioritize safety, precision, and efficiency, guaranteeing a smooth and successful installation that meets your specific requirements.



Commissioning

Our commissioning services ensure that your wastewater treatment systems are fully operational and optimized for performance. AIRFIN experts oversee the final stages of your project, conducting rigorous tests and adjustments to verify that all components function correctly. We provide detailed documentation and training to your team, ensuring that your systems are ready for reliable, long-term operation.



Manufacturer of Waste Water Treatment Equipment & Systems

An ISO 9001 : 2015 Certified Company

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