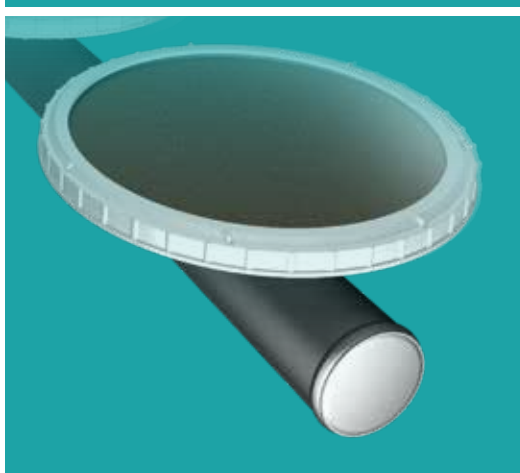
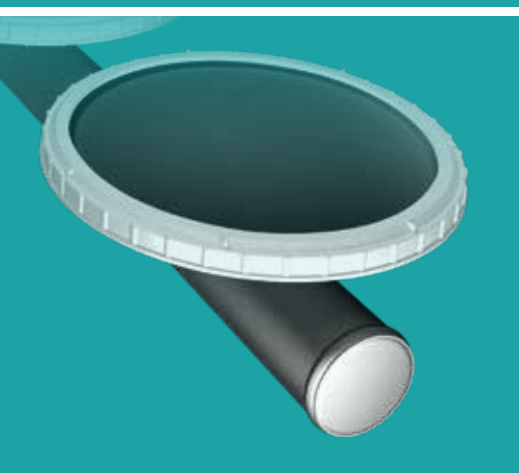
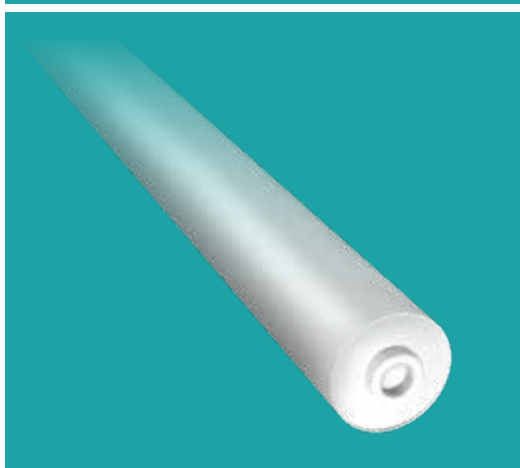
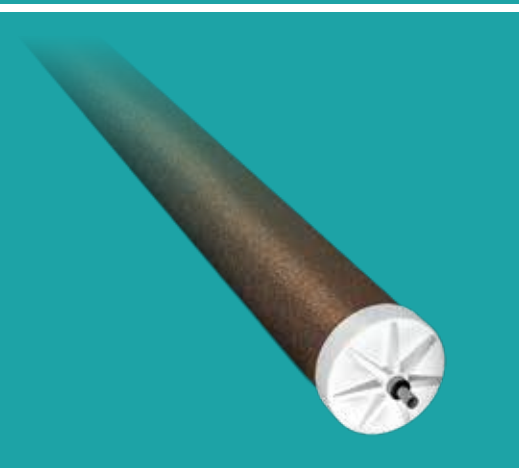
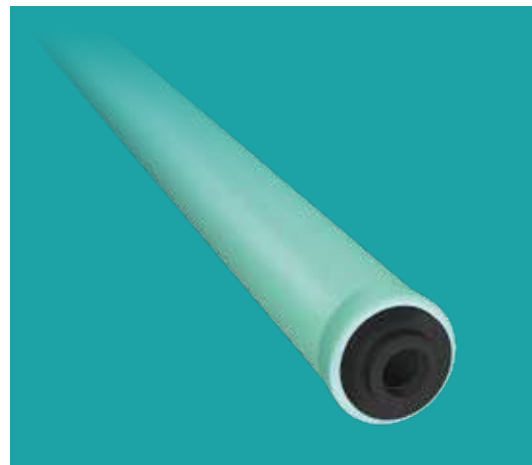
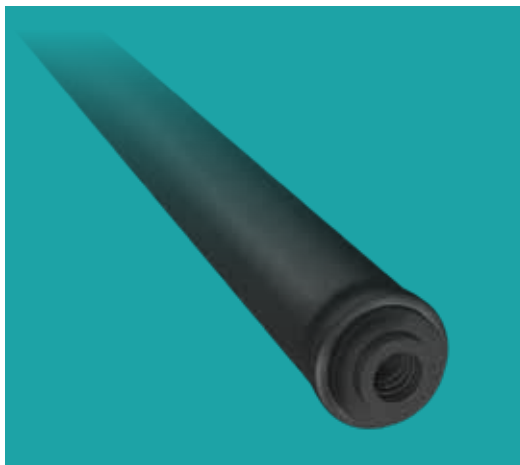
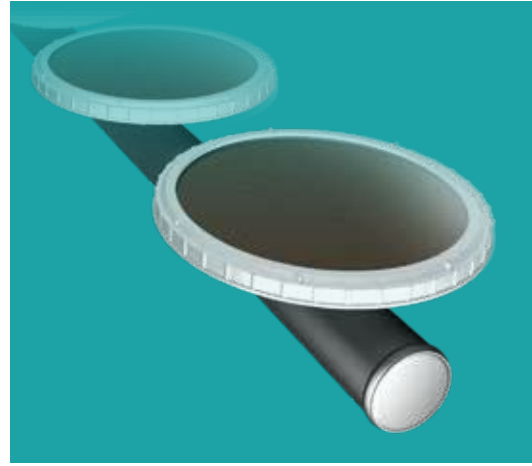
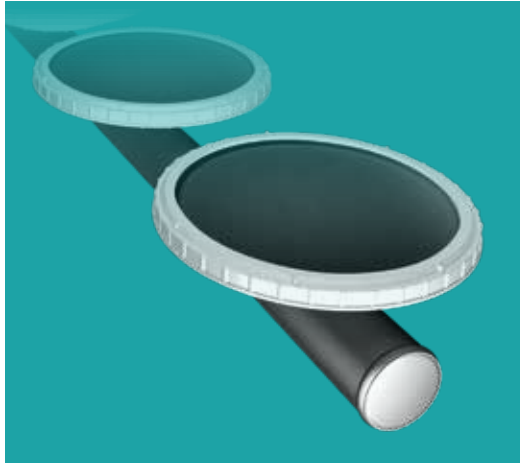
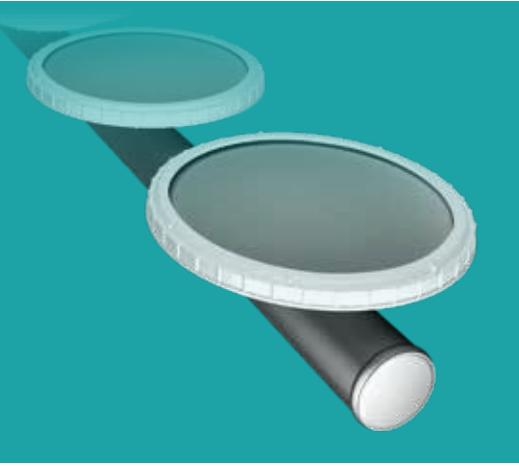




**GeoTierre**

*Protecting the source of life*

# Aeration products brochure



# ECOFLEX® - NEWAIR® - ECOQUARZ®



## ECOFLEX® EPDM DISC DIFFUSER, OPERATING RANGE

Model	Pore size $\mu\text{m}$	Range flow rate (Nm <sup>3</sup> /h) min-max	Optimal flow rate (Nm <sup>3</sup> /h)	Thread connection Standard (1" female or other up request)	Max temperature Celsius/ Fahrenheit	Operating procedure	Application
EC050D	60	2-6	4	1" M	130°C/266°F	continuous intermittent	Aeration tank
EC0100D	100	3-10	6	1" M	130°C/266°F	continuous intermittent	Aeration tank, anaerobic sludge digestion
EC0150D	150	3-14	8	1" M	130°C/266°F	continuous intermittent	Aeration tank, anaerobic sludge digestion

## DIMENSION

Type	Height (mm)	Diameter total (mm)	Diameter effective (mm)	Over all height above distributor (mm)	Perforated area (m <sup>2</sup> )	Total weight (kg)
Ecoflex®	93	280	240	68	0,05	1,1



## ECOFLEX® SILICONE DISC DIFFUSER, OPERATING RANGE

Model	Pore size $\mu\text{m}$	Range flow rate (Nm <sup>3</sup> /h) min-max	Optimal flow rate (Nm <sup>3</sup> /h)	Thread connection Standard (1" female or other up request)	Max temperature Celsius/ Fahrenheit	Operating procedure	Application
EC050S	60	2-6	4	1" M	230°C/446°F	continuous intermittent	Aeration tank
EC0100S	100	3-10	6	1" M	230°C/446°F	continuous intermittent	Aeration tank, anaerobic sludge digestion
EC0150S	150	3-14	8	1" M	230°C/446°F	continuous intermittent	Aeration tank, anaerobic sludge digestion

## DIMENSION

Type	Height (mm)	Diameter total (mm)	Diameter effective (mm)	Over all height above distributor (mm)	Perforated area (m <sup>2</sup> )	Total weight (kg)
Ecoflex®	93	280	240	68	0,05	1,1



### NEWAIR® DISC DIFFUSER, OPERATING RANGE

Model	Pore size variable	Range flow rate (Nm <sup>3</sup> /h) min-max	Optimal flow rate (Nm <sup>3</sup> /h)	Thread connection Standard (1" female or other up request)	Max temperature Celsius/ Fahrenheit	Operating procedure	Application
NWD280	fine	4-12	6	1" M	80°C/176°F	continuous intermittent	Aeration tank

### DIMENSIONS

Type	Height [mm]	Diameter total [mm]	Diameter effective [mm]	Over all height above distributor [mm]	Perforated area [m <sup>2</sup> ]	Fixed porous body	Total weight [kg]
11 mm	93	280	240	68	0,05	HDPE	1,35



### ECOQUARZ® DISC DIFFUSER, OPERATING RANGE

Model	Pore size µm	Range flow rate (Nm <sup>3</sup> /h) min-max	Optimal flow rate (Nm <sup>3</sup> /h)	Thread connection Standard (1" female or other up request)	Max temperature Celsius/ Fahrenheit	Operating procedure	Application
EC0250-30	30	1,5-5	3	1" M	80°C/176°F	continuous	Aeration tank
EC0250-50	60	3-10	6	1" M	80°C/176°F	continuous	Aeration tank
EC0250-100	100	5-12	8	1" M	80°C/176°F	continuous	Aeration tank
EC0250-250	250	7-15	11	1" M	80°C/176°F	continuous	Grit chamber tank

### DIMENSIONS

Type	Height [mm]	Diameter total [mm]	Diameter effective [mm]	Over all height above distributor [mm]	Perforated area [m <sup>2</sup> ]	Total weight [kg]
Ecoquarz Disc	93	280	240	68	0,05	1,5

# TUBOFLEX<sup>®</sup> - NEWAIR<sup>®</sup> TUBE - ECOQUARZ<sup>®</sup> TUBE



## TUBOFLEX<sup>®</sup> EPDM TUBE DIFFUSER, OPERATING RANGE

Model	Pore size $\mu\text{m}$	Range flow rate (Nm <sup>3</sup> /h x ml) min-max	Optimal flow rate (Nm <sup>3</sup> /h x ml)	Thread connection Standard (1" and other up)	Max temperature Celsius/ Fahrenheit	Operating procedure	Application
TBA500-50D	60	3-12	7	3/4" F	130°C/266°F	continuous intermittent	Aeration tank
TBA500-100D	100	5-18	11	3/4" F	130°C/266°F	continuous intermittent	Aeration tank, Anaerobic sludge digestion
TBA500-150D	150	7-25	15	3/4" F	130°C/266°F	continuous intermittent	Anaerobic sludge digestion

## DIMENSIONS

Type	Perforating length [mm]	Total length [mm]	Tube diameter [mm]	Pipe thickness [mm]	Perforated area [m <sup>2</sup> ]	Total weight [kg]
TBA500	500	550	63	4,7	0,095	0,85
TBA750	750	800	63	4,7	0,146	1,15
TBA1000	1000	1050	63	4,7	0,195	1,4



## TUBOFLEX<sup>®</sup> SILICONE TUBE DIFFUSER, OPERATING RANGE

Model	Pore size $\mu\text{m}$	Range flow rate (Nm <sup>3</sup> /h x ml) min-max	Optimal flow rate (Nm <sup>3</sup> /h x ml)	Thread connection Standard (1" and other up request)	Max temperature Celsius/ Fahrenheit	Operating procedure	Application
TBA500-50S	60	3-12	7	3/4" F	230°C/446°F	continuous intermittent	Aeration tank
TBA500-100S	100	5-18	11	3/4" F	230°C/446°F	continuous intermittent	Aeration tank, Anaerobic sludge digestion
TBA500-150S	150	7-25	15	3/4" F	230°C/446°F	continuous intermittent	Anaerobic sludge digestion

## DIMENSIONS

Type	Perforation length [mm]	Total length [mm]	Tube diameter [mm]	Pipe thickness [mm]	Perforated area [m <sup>2</sup> ]	Total weight [kg]
TBA500	450	490	63	4,7	0,09	0,8
TBA750	700	740	63	4,7	0,14	1,1
TBA1000	1000	1025	63	4,7	0,19	1,4



## NEWAIR® TUBE DIFFUSER, OPERATING RANGE

Model	Pore size variable	Range flow rate (Nm <sup>3</sup> /h x ml) min-max	Optimal flow rate (Nm <sup>3</sup> /h x ml)	Thread connection Standard (3/4" female other up request)	Max temperature Celsius/ Fahrenheit	Operating procedure	Application
NWA500	fine	6-12	8	3/4" F	80°C/176°F	continuous intermittent	Aeration tank
NWA750	fine	6-12	8	3/4" F	80°C/176°F	continuous intermittent	Aeration tank
NWA1000	fine	6-12	8	3/4" F	80°C/176°F	continuous intermittent	Aeration tank

## STANDARD DIMENSIONS

Aerator length [mm]	Total length [mm]	Tube diameter [mm]	Aeration area [m <sup>2</sup> ]	Adapter	Total weight [g]
500	580	72	0,11	¾ internal thread	570
750	830	72	0,17	¾ internal thread	760
1000	1080	72	0,23	¾ internal thread	950

## SPECIAL DIMENSIONS

Possible lengths	100 - 1000 mm
Possible adapter forms	½ , ¾ , 1 , 1 ¼ internal thread and on request



## ECOQUARZ® TUBE DIFFUSER, OPERATING RANGE

Model	Pore size µm	Range flow rate (Nm <sup>3</sup> /h x ml) min-max	Optimal flow rate (Nm <sup>3</sup> /h x ml)	Assembling mode	Max temperature Celsius/ Fahrenheit	Operating procedure	Application
EC0500-30	30	3-10	6	Tie rod	80°C/176°F	continuous	Aeration tank
EC0500-50	60	5-18	11	Tie rod	80°C/176°F	continuous	Aeration tank
EC0500-100	100	10-25	17	Tie rod	80°C/176°F	continuous	Aeration tank
EC0500-250	250	15-30	22	Tie rod	80°C/176°F	continuous	Grit chamber tank

## DIMENSIONS

Type	Perforation length [mm]	Total length [mm]	Tube diameter [mm]	Wall thickness [mm]	Perforated area [m <sup>2</sup> ]	Total weight [kg]
ECO-501	2 x 250	630	70	15	0,11	4,9
ECO-1001	2 x 500	1130	70	15	0,22	5,7
ECO-1501	2 x 750	1630	70	15	0,33	6,4

**NEWS 2018:**

# **ECOFLEX<sup>®</sup> & NEWAIR<sup>®</sup> XL DISC DIFFUSER **EXTRA LARGE****

AVAILABLE FROM SEPTEMBER 2018

**Reduced investment cost**

**Particularly convenient for large WWTP**

**Lower operation cost**

**Increases efficiency**





## ECOFLEX® EPDM EXTRA LARGE, OPERATING RANGE

Model	Pore size $\mu\text{m}$	Flow range (Nm <sup>3</sup> /h)	Optimal flow rate (Nm <sup>3</sup> /h)	Thread connection	Max temperature Celsius/Fahrenheit	Operating procedure
ECOXL50D	60	2,5-9	6	1" M	130°C/266°F	Continuous/intermittent

### DIMENSION

Type	Height (mm)	Diameter total (mm)	Diameter effective (mm)	Over all height above distributor (mm)	Perforated area (m <sup>2</sup> )	Total weight (kg)
Disc Diffuser	93	336	305	68	0,08	1,6



## ECOFLEX® SILICONE EXTRA LARGE, OPERATING RANGE

Model	Pore size $\mu\text{m}$	Flow range (Nm <sup>3</sup> /h)	Optimal flow rate (Nm <sup>3</sup> /h)	Thread connection	Max temperature Celsius/Fahrenheit	Operating procedure
ECOXL50S	60	2,5-9	6	1" M	130°C/266°F	Continuous/intermittent

### DIMENSION

Type	Height (mm)	Diameter total (mm)	Diameter effective (mm)	Over all height above distributor (mm)	Perforated area (m <sup>2</sup> )	Total weight (kg)
Disc Diffuser	93	336	305	68	0,08	1,6



## NEWAIR® DISC EXTRA LARGE, OPERATING RANGE

Model	Pore size $\mu\text{m}$	Flow range (Nm <sup>3</sup> /h)	Thread connection	Max temperature Celsius/Fahrenheit	Operating procedure
NWD XL336	fine	2,5- 9	1" M	80°C/176°F	Continuous/intermittent

### DIMENSION

Type	Height (mm)	Diameter total (mm)	Diameter effective (mm)	Over all height above distributor (mm)	Perforated area (m <sup>2</sup> )	Total weight (kg)
XL 11mm	93	336	305	68	0,08	1,8





Our continuing commitment to quality product, may mean a change without notice of specification, design and other content included in this brochure.

## CONTACT

**Geotek-Terre S.R.L.**

Phone +39 035 810296

TeleFax + 39 035 810296

email: [info@geotierre.com](mailto:info@geotierre.com)

Address: Via Prato Pieve 54, 24060 Casazza (BG)

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