

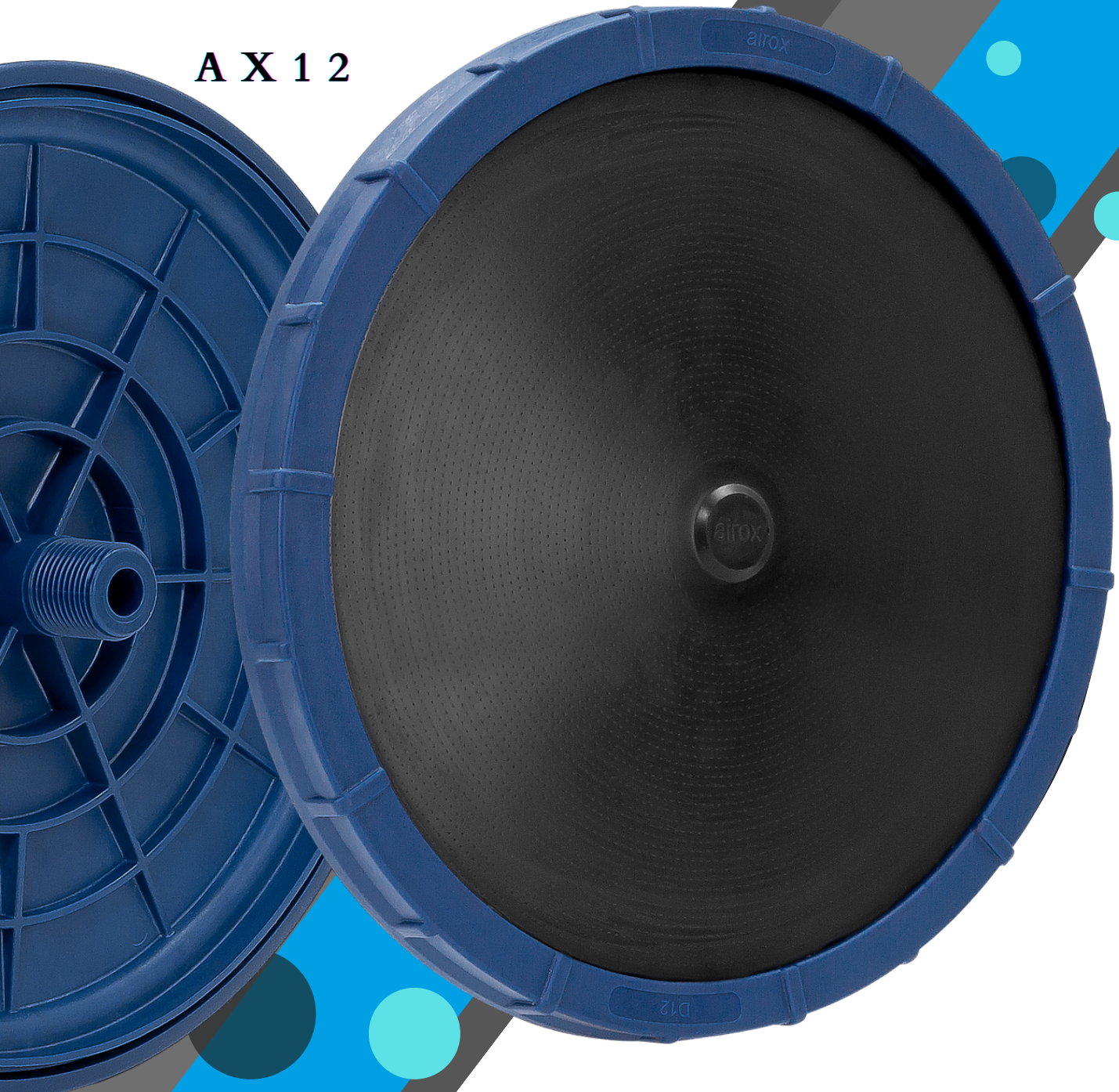
airox

*Smart Harmony Of
air & water*

12"DISC DIFFUSER

TECHNICAL
DATA
SHEET

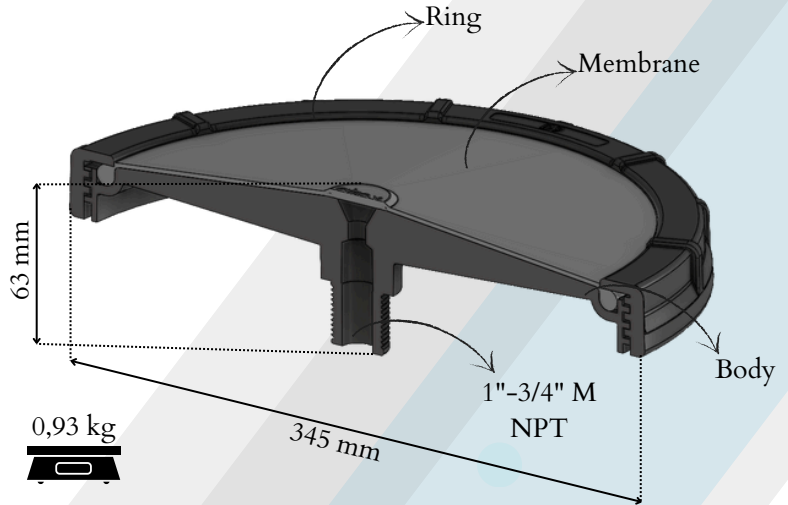
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12" DISC DIFFUSER TECHNICAL DATA SHEET

DIMENSIONS

Diameter	(mm)	345
Thread	(NPT)	1"-3/4" M
Overall Height	(mm)	63
Weight	(kg)	0,93
Effective Area	(m ²)	0,07



DIFFUSER

AX12 Body&Ring %70 PP, %30 GF
 Membrane EPDM, Silicone, TPU
 Checkvalve Optional

*Logo and color can be change upon request.

MEMBRANE

Test Standarts		EPDM	Silicone	TPU
	Thickness	(mm) 1,90 ± 0,2	1,90 ± 0,2	1,5 ± 0,1
DIN EN ISO 37	Tensile strength	(N/mm ²) > 12	> 8	> 15
DIN EN ISO 34-1,B-a	Tear strength	(N/mm >35	>30	>60
	Capacity*	(Nm ³ /h) 2-15	2-12	2-12
DIN EN ISO 2781	Density	(gr/cm ³) 1,09 ± 0,05	1,06 ± 0,05	1,12 ± 0,05
DIN ISO 7619-1	Hardness	(Shore A) 50 ± 5	55 ± 5	55 ± 5
DIN EN ISO 37	Elongation at break	(%) >600	>500	>700
	Plasticiser	(%) 20 ± 5	0	0
	Operating Air Temperature	(°C) 5-80	5-100	5-80
	Operating Water Temperature	(°C) 5-40	5-40	5-40

*Check operational data table below for determined airflow rates.



12" DISC DIFFUSER TECHNICAL DATA SHEET

OPERATIONAL DATA

Membrane Type	Mechanical Warranty (year)	Recommended Airflow Rate (Nm ³ /h)	Min-Max Airflow Rate (Nm ³ /h)	Overload (Nm ³ /h)
EPDM	2	5-7	2-12	15
Silicone	2	4-6	2-9	12
TPU	2	4-6	2-9	12

*Performance cannot be guaranteed due to uncertain wastewater characterization and maintenance periods. Mechanical warranty validity is valid under specified operating conditions and maintenance periods.

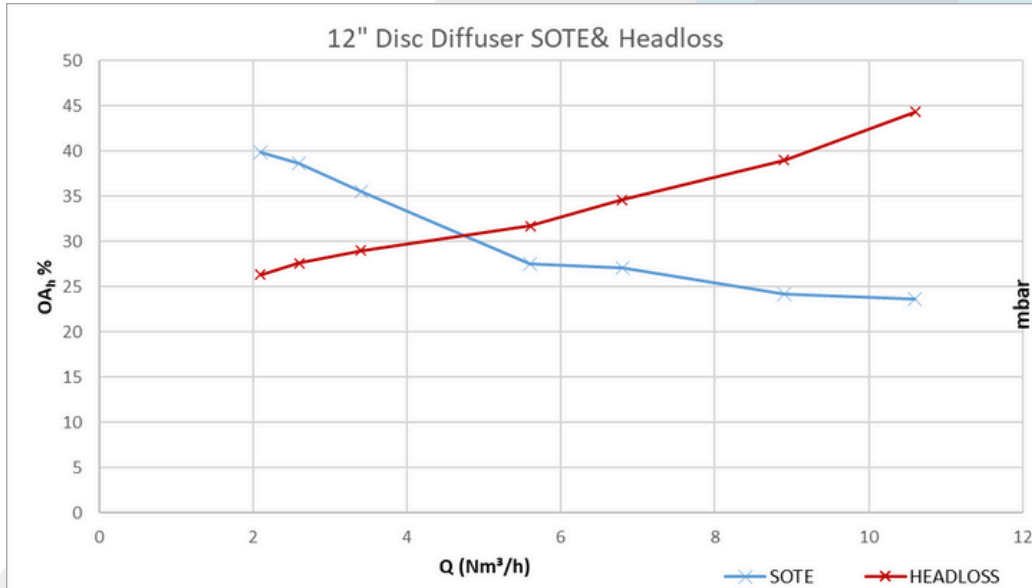
*The recommended airflow rates at standard operating conditions and design.

*Operating diffusers continuously at max. or min. airflow rate may reduce lifetime or performance. Shutdown of operation is highly recommended for airflow rates lower than the minimum.

*Do not apply overload/maintenance airflow rate (e.g. cleaning) for more than 10 min/day.

*When the air temperature is close to the given max., a lower maximum airflow rate should be used.

PERFORMANCE



*SOTE values depend on the test tank, diffuser density and water height.

*Diffuser submergence at test tank is 4 m.





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