



COMPANY  
WITH QUALITY SYSTEM  
CERTIFIED BY DNV  
=ISO 9001/2000=

*Water technology at your service*

## *Air diffusers*





# Disc diffusers "OXYPLATE 9"

Membrane: EPDM LP  
Perforation: Fine bubble

## Dimensions

External diffuser diameter	mm	270
Active surface diameter	mm	220
Membrane thickness	mm	2,0±0,15
Active surface	m <sup>2</sup>	0,038
Orifice	mm	6
Threaded connection		¾" NPT
Weight	Kg	0,7

## Performances

Min. operating flow	Nm <sup>3</sup> /h	2
Max. operating flow	Nm <sup>3</sup> /h	6
Max. overload flow*	Nm <sup>3</sup> /h	10
Operating temperature	°C	0-80
Operation mode		Intermittent / continuous
Application		Municipal & industrial

\* max. 10 min. for membrane cleaning, test etc..

## Materials

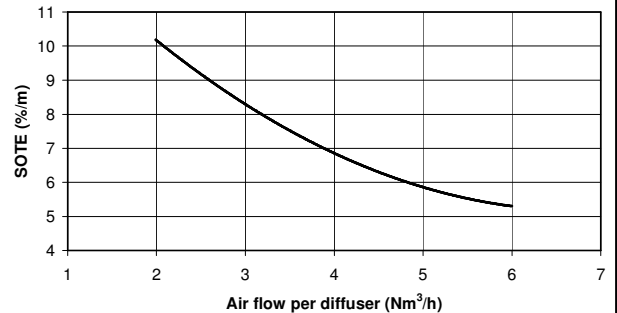
Membrane	EPDM low plasticizers
Support	PP GF 30
Ring nut	PP GF 30

## Membrane features

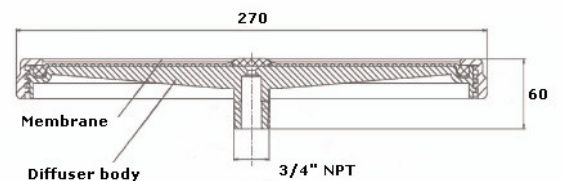
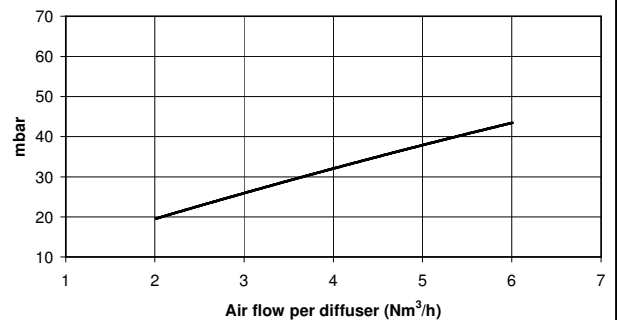
Density (ISO 2781)	g/cm <sup>3</sup>	1,06±0,02
Hardness (ISO 53505)	Shore A	60±5
Tensile strength	MPa	> 10,0
Tear resistance	N/mm	> 4,0
Elongation (ISO 37)	%	> 400
Tension set (ISO 2285) 24h at 100% extension	%	< 5,0



Oxygen transfer / m. submergence  
density 6,5% - test according with ATV-M 209



Headloss





# Disc diffusers "OXYPLATE 12"

Membrane: EPDM LP  
Perforation: Fine bubbles

## Dimensions

External diffuser diameter	mm	340
Active surface diameter	mm	310
Membrane thickness	mm	2,0±0,15
Active surface	m <sup>2</sup>	0,06
Orifice	mm	6
Threaded connection		¾" NPT
Weight	Kg	1,2

## Performances

Min. operating flow	Nm <sup>3</sup> /h	2
Max. operating flow	Nm <sup>3</sup> /h	10
Max. overload flow	Nm <sup>3</sup> /h	15
Operating temperature	°C	0-80
Operation mode		Intermittent / continuous
Application		Municipal & industrial

\* max. 10 min. for membrane cleaning, test etc..

## Materials

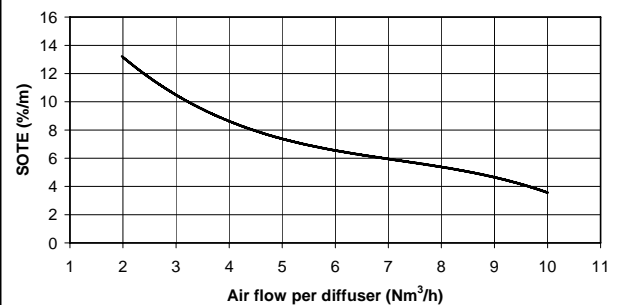
Membrane	EPDM low plasticizers
Support	PP GF 30
Ring nut	PP GF 30

## Membrane features

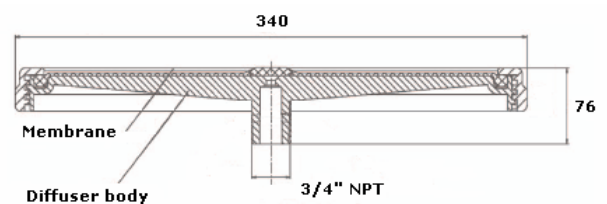
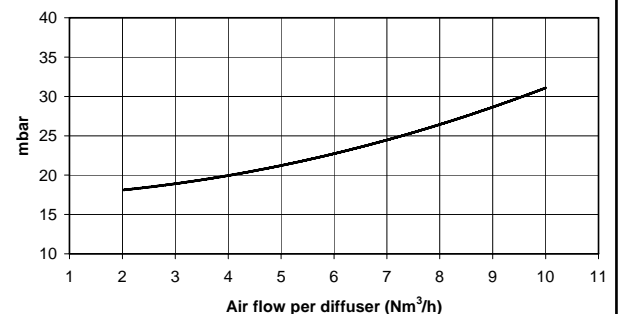
Density (ISO 2781)	g/cm <sup>3</sup>	1,06±0,02
Hardness (ISO 53505)	Shore A	60±5
Tensile strength	N/mm <sup>2</sup>	> 10,0
Tear resistance	N/mm	> 4,0
Elongation (ISO 37)	%	> 400
Tension set (ISO 2285) 24h at 100% extension	%	< 5



Oxygen transfer / m. submergence  
density 5,3% - test according with ATV-M 209



Headloss





# Tube diffusers "OXYTUBE 2"

Membrane: EPDM LP  
Perforation: Fine bubbles

## Dimensions

Model		500	750	1000
Total length	mm.	560	810	1060
Perforation length	mm.	500	750	1000
Support diameter	mm.	63	63	63
Membrane thickness	mm.	1,7±0,2	1,7±0,2	1,7±0,2
Active surface	m <sup>2</sup>	0,09	0,135	0,18
Threaded connection*		¾" WR	¾" WR	¾" WR
Weight	Kg	0,8	1,1	1,3

\* available with threaded connection 1" WR.

## Performances

Model		500	750	1000
Min. operating flow	Nm <sup>3</sup> /h	1	2	3
Max. operating flow	Nm <sup>3</sup> /h	6	9	12
Max. overload flow*	Nm <sup>3</sup> /h	10	15	20
Operating temperature	°C	0 - 80		
Operation mode		intermittent / continuous		
Application		Municipal & industrial		

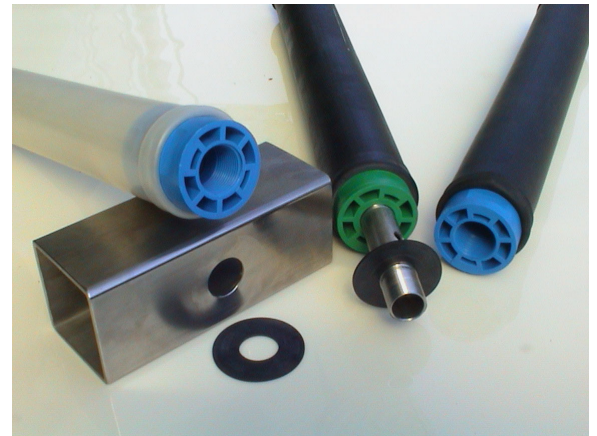
\* max. 10 min. for membrane cleaning, test etc..

## Materials

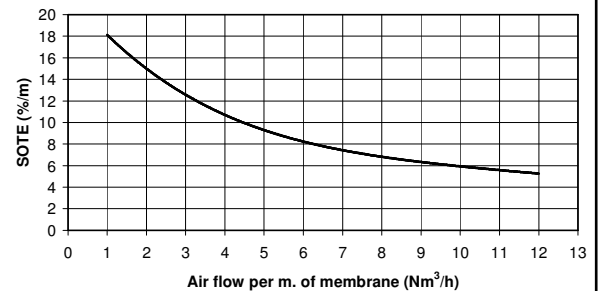
Component	
Membrane	EPDM low plasticizers
Support	PP
Head	PP GF 30
Clamp	V2A (SS 1.4301 - AISI 304)
Gasket	EPDM 4 mm.
Connector	V4A (SS 1.4571 - AISI 316)

## Rubber compound

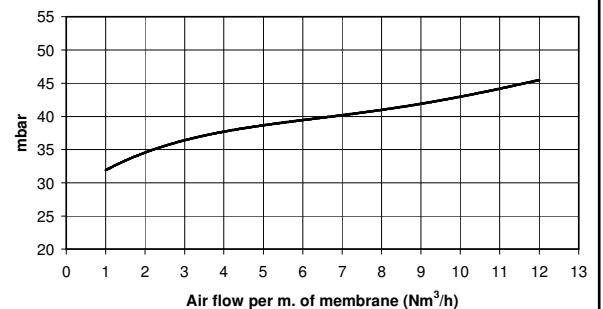
Density (ISO 2781)	g/cm <sup>3</sup>	1,12
Hardness (ISO 53505)	Shore A	48±5
Tensile strength	MPa	> 13,4
Tear resistance	N/mm	> 17,6
Elongation (ISO 37)	%	> 825
Tension set (ISO 2285) 24h at 100% extension	%	< 5



Oxygen transfer / m. submergence  
density 10% - test according with ATV-M 209



Headloss



Mounting in pairs on square header

