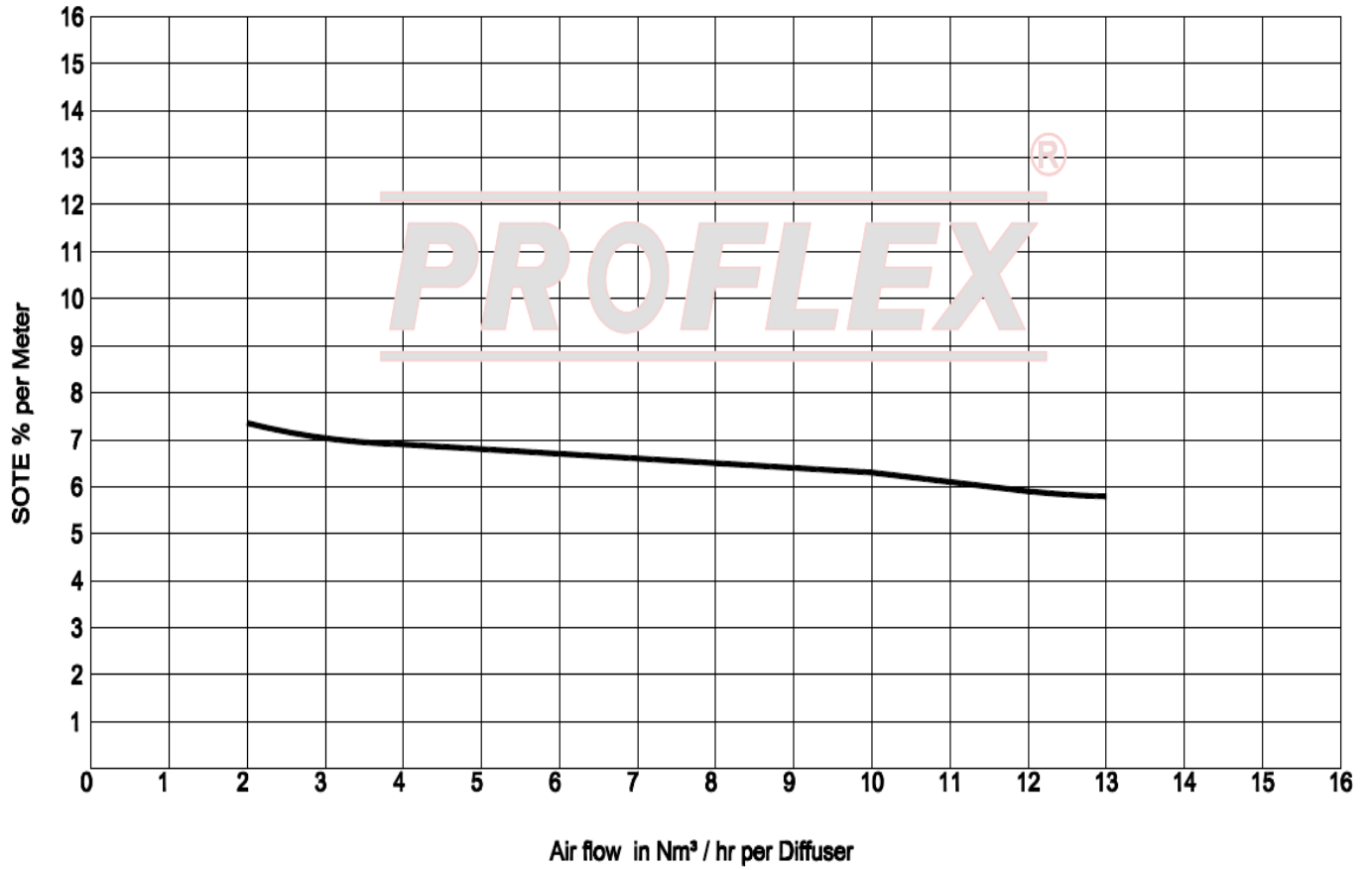




TP 901 E / S
STANDARD OXYGEN TRANSFER EFFICIENCY



TECPRO ENERGY SYSTEMS

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PROFLEX-TP901S

Technical Specification

PROFLEX SILICON MEMBRANE TUBE

PROFLEX Silicone Membrane Diffuser Sleeve is a silicon extruded/moulded proprietary material

PHYSICAL PROPERTIES			
S.No.	Parameter	Description	
1.	Colour	Grey/Blue/Red	
2.	Size	Dia- 90 +/-1mm, Length –1000mm	
3.	Size of Pore	0.6mm to 0.8mm	
4.	Size of the bubble.	2-4mm	
MECHANICAL PROPERTIES			
S.No.	Parameters	Standard	Value/ Unit
1.	Hardness	ASTM D – 2240	55+/-5 – shore "A"
2.	Tensile strength at break	ASTM D – 412	25 kg/cm ²
3.	Elongation at break	ASTM D – 412	142 %
ENVIRONMENTAL RESISTANCE TEST			
S.No.	Parameters	Standard	Value/ Unit
1.	Resistance, 75 hours, 40 deg. C, 50mpa, partial Ozone pressure non – cracking	Environmental resistance test ASTM – D- 1171 – 94	Pass
2..	Low Temp. - 40 deg C,	ASTM D 832 – 92	Pass

PRODUCT SPECIFICATION

PROFLEX FINE BUBBLE MEMBRANE DIFFUSER

1. 90mm X 1000 mm

Operating Air Flow - 7.0-12.0m³/hr./ diffuser

Size of the bubble. 1 mm

Diffuser Surface Area: 3.14 sq Feet.=0.283 Sq M, Effective Surface area= 0.245 SqM.

(Un slitted length app 30mm)

Separation between Diffusers: 0.6 M

SOTE at 3 to 4 m submergence – 20% to 25 %

Pressure Loss 0.3kPa to .5 KPa