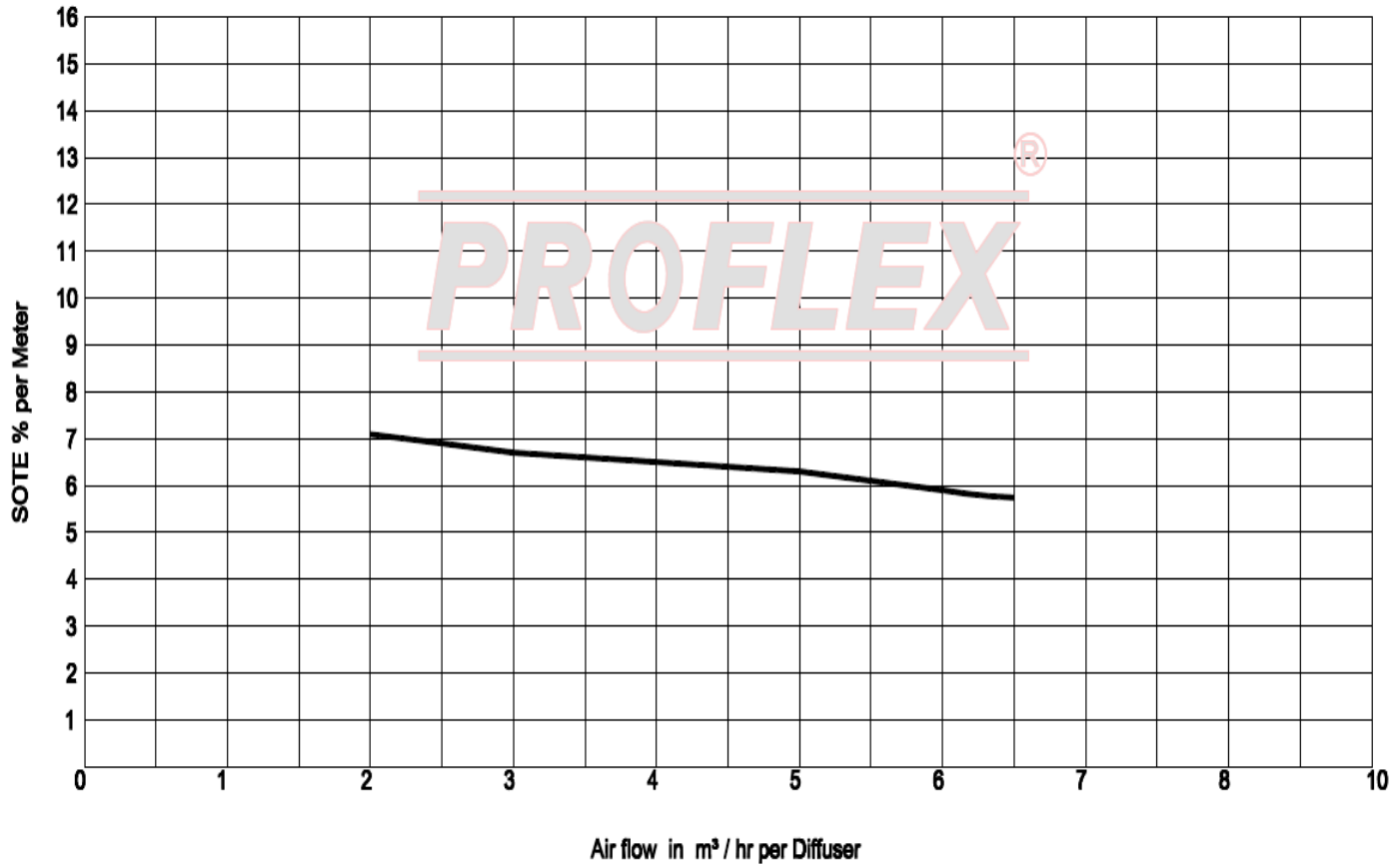




TP 636 E / S
STANDARD OXYGEN TRANSFER EFFICIENCY



TECPRO ENERGY SYSTEMS

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PROFLEX-TP636E

Technical Specification

PROFLEX EPDM MEMBRANE TUBE

PROFLEX EPDM Membrane Diffuser Sleeve is a EPDM extruded Proprietary material

PHYSICAL PROPERTIES			
S.No.	Parameter	Description	
1.	Colour	Black	
2.	Size	Dia- 63 +/-1mm, Length – 610 mm	
3.	Size of Pore	0.6mm to 0.8mm	
4.	Size of the bubble.	2-4 mm	
5.	Permanent temp resistance	140 Deg C	
MECHANICAL PROPERTIES			
S.No.	Parameters	Standard	Value/ Unit
1.	Hardness	ASTM D2240-95	50+/-5 – shore "A"
2.	Tensile strength at	ASTM D – 412	13.1 MPA

	break		
3.	Elongation at break	ASTM D - 412	0.49 MPA, .>4.45
Environmental Resistance Test			
S.No.	Parameters	Standard	Value/ Unit
1.	Resistance, 70 hours, 70 deg. C, 50mpa, partial Ozone pressure	ASTM - D- 1171 - 94	non - cracking
2.	Low Temperature Property, -40° C	ASTM D832-92	Non Brittle
3.	CHANGE OF HARDNESS SHORE A %	ASTM D2240-95	<10
4.	CHANGE OF TENSILE STRENGTH%	ASTM D - 412	<20
5.	CHANGE OF ELONGATION %	ASTM D - 412	<20

PRODUCT SPECIFICATION

PROFLEX FINE BUBBLE MEMBRANE DIFFUSER

1. 63mm X 610 mm

Operating Air Flow - =3-5m³/hr./ diffuser

Size of the bubble. 1 mm

Diffuser Surface Area: 1.34sq Feet.=0.15 Sq M

Separation between Diffusers: 0.6 M

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

Pressure Loss 0.23 to .5 KPa