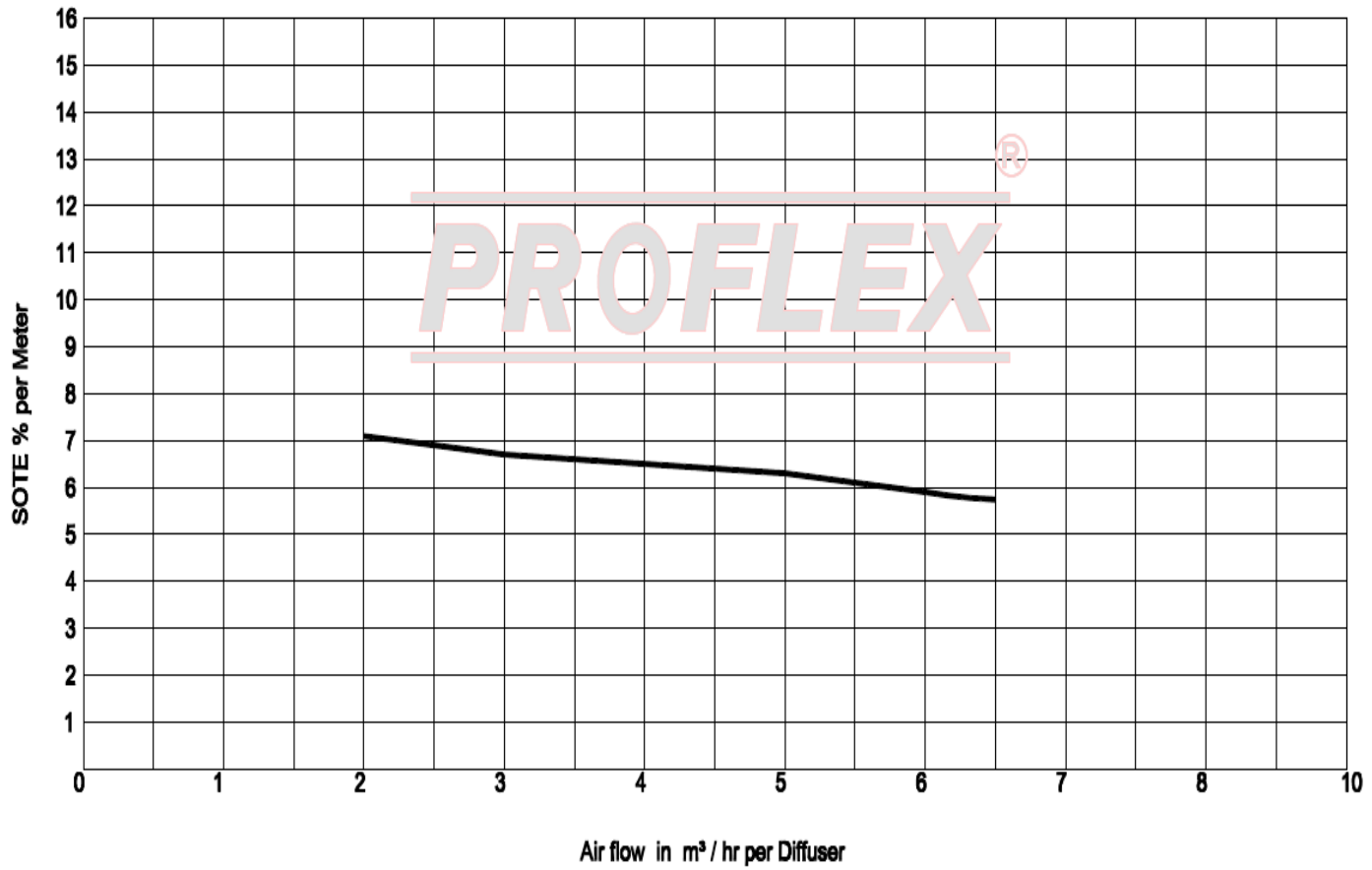




TP 636 E / S  
STANDARD OXYGEN TRANSFER EFFICIENCY



# TECPRO ENERGY SYSTEMS

Office : 21E, North High Court Colony, Villivakkam, Chennai -600 049 Tamil Nadu – India.

Phone : +9144 26171621, Mobile No : 09382667076,09500029191,09500039191.

Website: [www.tecproenergysystems.com](http://www.tecproenergysystems.com),[www.diffuseraerationsystem.com](http://www.diffuseraerationsystem.com)

e-mail: [tecpro@tecproenergysystems.com](mailto:tecpro@tecproenergysystems.com),[sales@tecproind.com](mailto:sales@tecproind.com)



## PROFLEX-TP636S

### 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- 63 +/-1mm, Length – 610 mm	
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/cm2
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 DIFFUSERS**

#### **1. 63mm X 610 mm**

Operating Air Flow - =3-5m<sup>3</sup>/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