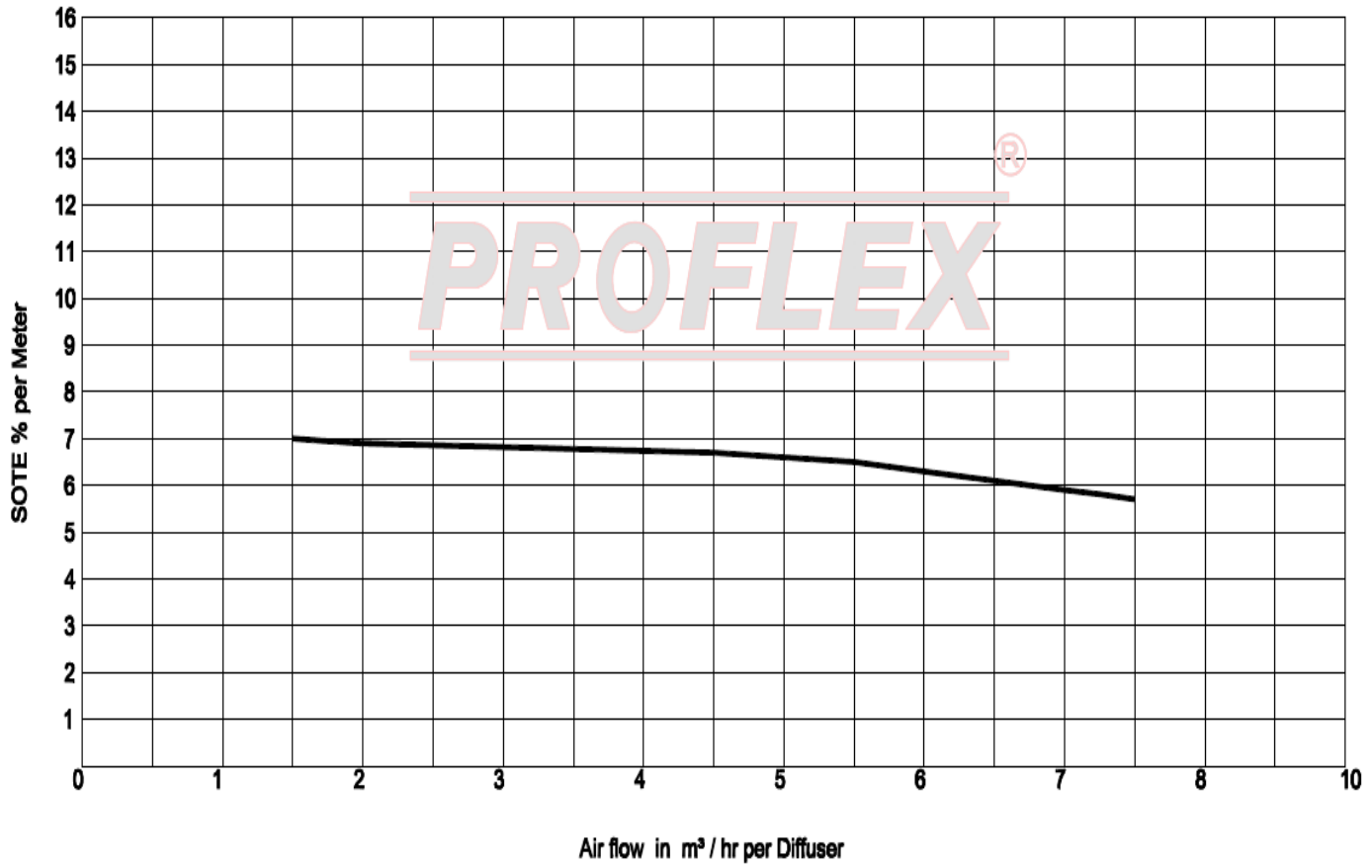




TP 631 E / S
STANDARD OXYGEN TRANSFER EFFICIENCY



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, www.diffuseraerationsystem.com

e-mail: tecpro@tecproenergysystems.com, sales@tecproind.com



PROFLEX-TP631S

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 –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

63mm X 1000 mm

Operating Air Flow - 5.0-8.0m³/hr./diffuser

Size of the bubble. 1 mm

Diffuser Surface Area: 2.19 sq Feet.=0.214 Sq M

No Pore Area= .0282Sq M, Effective Surface Area =0.1857 SqM

Ratio Of Diffuser Surface Area To Effective Surface Area: 10:8.5

Separation between Diffusers: 0.6 M

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

Pressure Loss 0.2kPa to .4 KPa