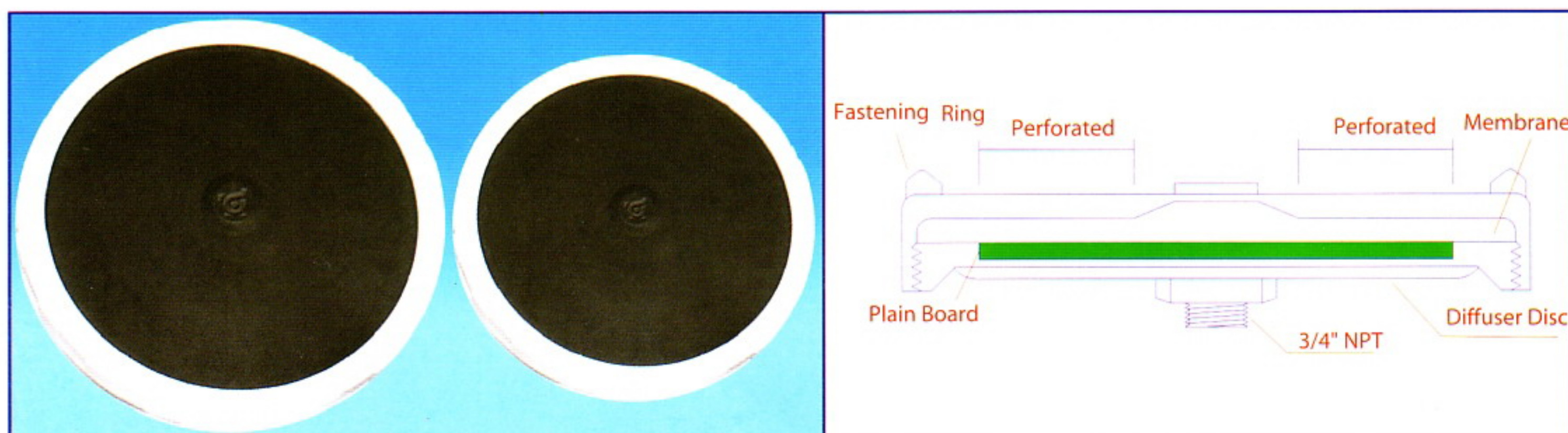


DOUBLE MEMBRANE DISC DIFFUSER

MODEL RSD



DESIGN FEATURES:

The PEI Model RSD Disc Diffuser employs a single, self-sealing membrane. This single membrane diffuser is also available in both 10" and 12" nominal diameters.

Using the same quality membrane as the RCD, this diffuser offers a slightly lower pressure drop (head loss) but equal fine bubble Oxygen Transfer Efficiency (OTE).

• **Backflow Protection**

The diffusing membrane of this model is specially molded to place a flat sealing surface at the center which, when the air supply is shut-off, collapses onto the inlet orifice, thus preventing back-flow of wastewater into the housing.

• **Other Features**

The molded housing and retaining ring of the Model RSD are made of high strength, corrosion resistant **ABS plastic**. The diffuser is assembled by rotating the threaded retaining ring over the membrane in place in the housing.

Membranes include a molded-in o-ring around the outer edge to seal against air leakage or water intrusion when not supplied with air.

Air inlet nipple, with 3/4" male threads is molded integral integral to the diffuser housing for ease of installation.

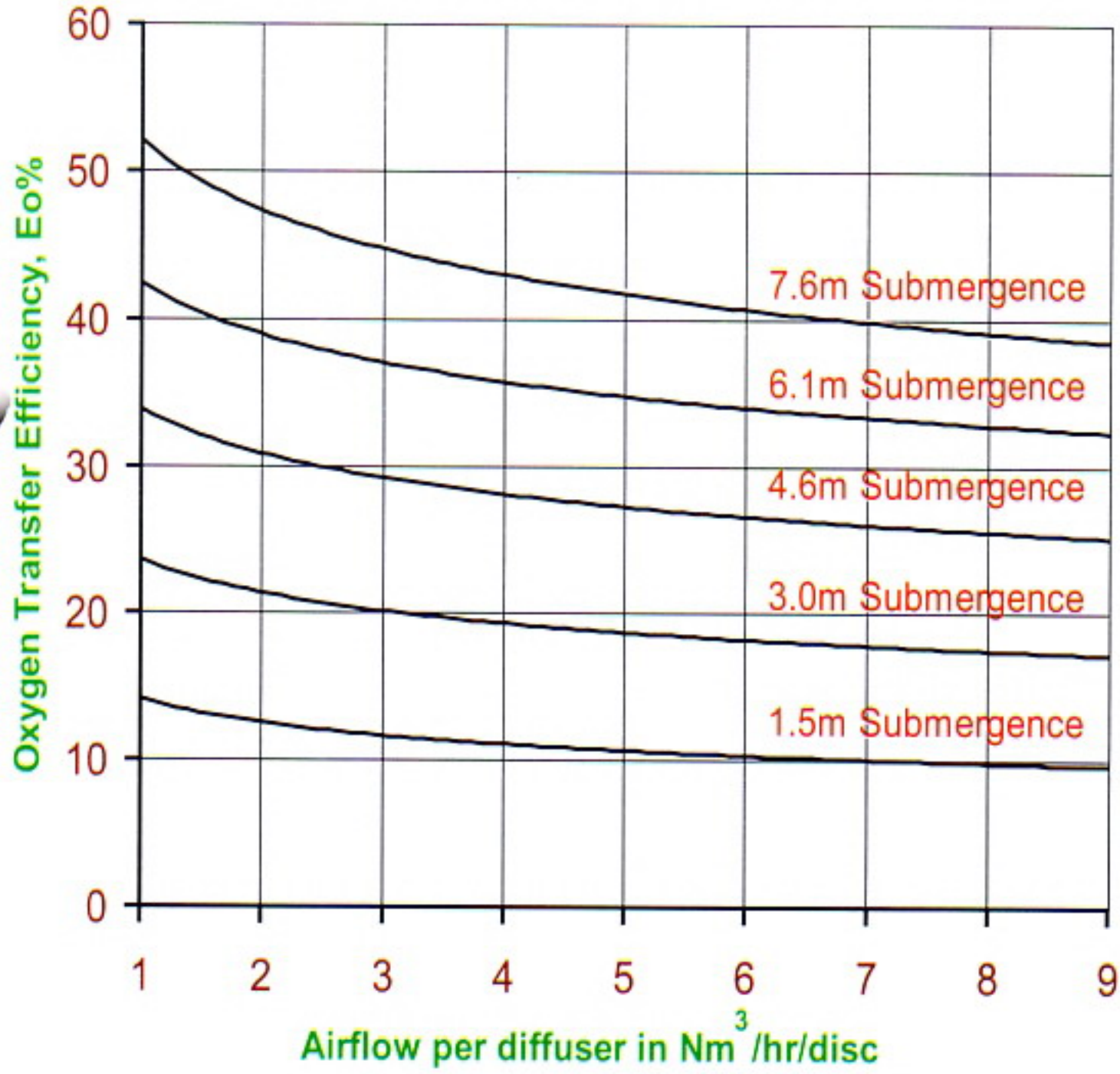
SPECIFICATIONS:

MODEL	RSD-245 (10")	RSD-330 (12")
MATERIAL OF MEMBRANE	EPDM	EPDM
DISC BASE	ABS	ABS
DIA. OF DISC-mm (INCH)	245 (10")	330 (12")
AIR FLOW-NM ³ /H (CFM)	1.0 - 7.2 (0.5 - 3.5)	1.0 - 12.0 (0.5 - 5.7)
BUBBLE SIZE-mm	1 - 3	1 - 3
AERATION AREA-M ² (FT ²)	0.04 (0.42)	0.06 (0.65)
WEIGHT-KB(LB)	0.6 (1.3)	0.85 (1.9)
MAX. OPERATING TEM-°C	85	85
CONNECTION (mm) NPT	20 (3/4")	20 (3/4")

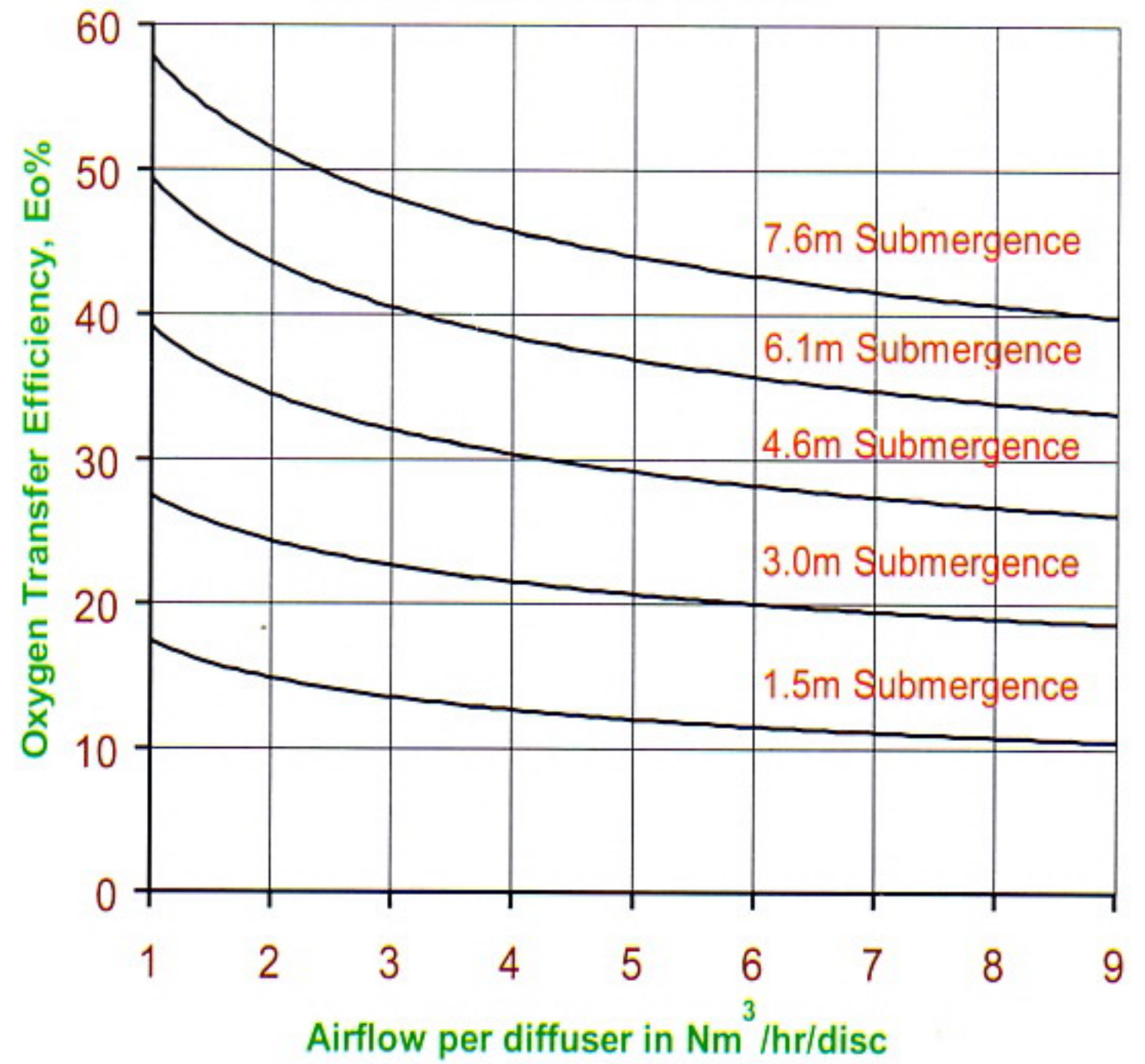
PERFORMANCE CHARACTERISTICS

PEI OXI-PRO Disc Membrane Diffusers are used extensively in wastewater aeration applications to provide Low Energy, High Oxygen Transfer Efficiency, and Effective Mixing of suspended solids.

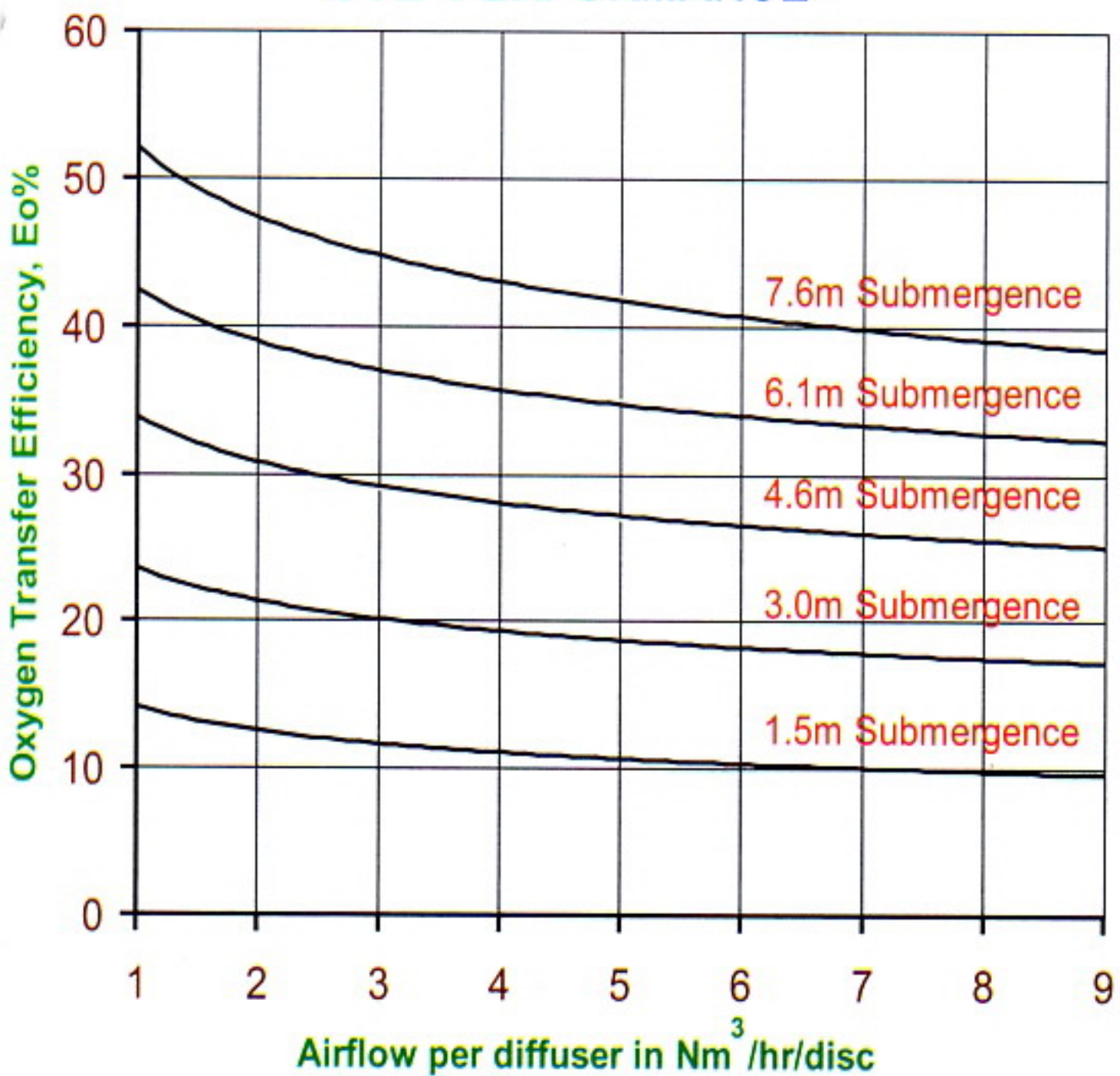
RCD-245
OTE PERFORMANCE



RCD-330
OTE PERFORMANCE



RSD-245
OTE PERFORMANCE



RSD-330
OTE PERFORMANCE

