

Micro-perforated hose

FOR GAS DIFFUSION



- » Neutral buoyancy.
- » Resistant to biofouling.
- » One-year warranty.

Technical Data

Operating flow rate	3 - 6 lpm/m (0,18 - 0,36 m³/h/m)
Operating pressure	1 - 2 bar (14,5 - 29 psi)
Maximum pressure	5 bar (72,5 psi)
Recommended pressure	1 bar (14,5 psi)
Weight	0,12 kg/m
Outer diameter	12,7 mm (1/2")
Inner diameter	6,35 mm (1/4")
Micro-perforations	6.000 per meter
Bubble size	(90 - 250) µm
Bubble rise velocity	0.1 – 0.5 m/s

Measurement conditions: water column height of 1 mH₂O; temperature of 10°C; freshwater with 50 ppm of dissolved solids and seawater with 30 ppt salinity; dissolved oxygen saturation range between 20% and 100%; oxygen extraction method: nitrogen (N₂) gas stripping.

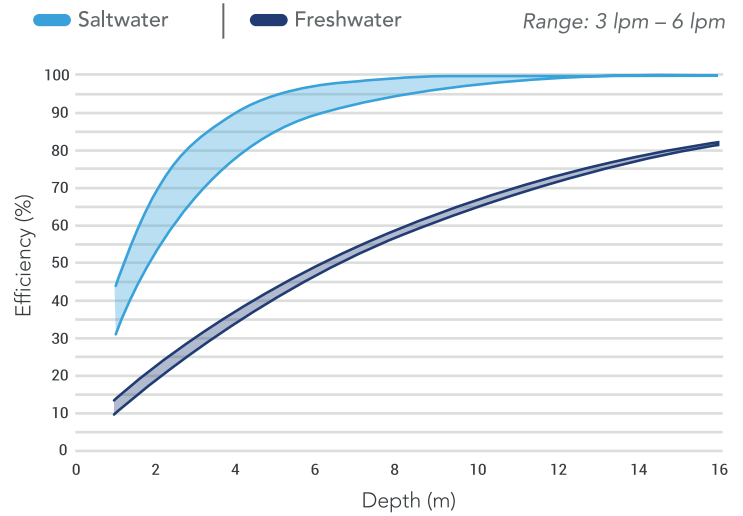


Warning:

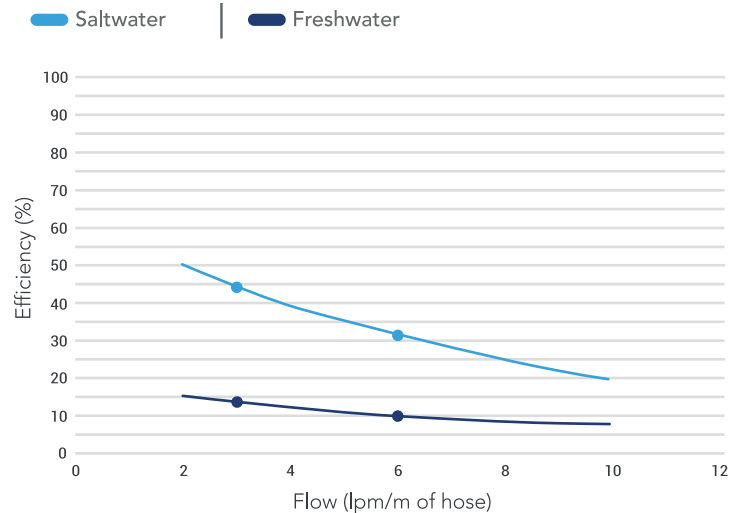
The use of pure oxygen at high pressure/flow rates may cause spontaneous combustion upon contact with grease or oil. The use of air compressors may lead to the introduction of oil particles into the system.



Depth-dependent efficiency



Efficiency based on flow per linear meter of hose



Pressure-flow curve

per linear meter of hose

