

B-MEMBRANE - THE COMPACT ALL-IN-ONE SOLUTION

BAUER's nitrox membrane system is a compact, safe way of producing breathing air mixtures with oxygen content of up to 40 percent. All components are exactly matched for maximum safety. The system is designed for reliable nitrox supply to stationary professional diving centres, safari boats, liveaboards, yachts and cruise ships and for commercial diving missions. The B-NITROX membrane system is ideal for professional diving centres that prioritize safety, high charging rates, low maintenance and low operating costs.



- 1 Screw compressors** have an intake pressure of approx. 10 bar, required to supply the oxygen membrane in the system. The screw compressor with ultra-efficient "rolling profile" is a product of ROTORCOMP (BAUER GROUP).
- 2 Refrigerant dryer** for efficient cooling and condensate separation. Enables oxygen mixture to be produced irrespective of the ambient temperature: the continuously cooled membrane delivers optimum efficiency at all times.
- 3 Filter system** reliably removes oil and particulate to protect the membrane from harmful influences and extend its service life.
- 4 The oxygen membrane** boosts oxygen content by separating N₂ from the breathing air. The oxygen content of the breathing air can be set at any level between 21 and 40 percent¹.

¹ Maximum oxygen level depends on the specifications of the selected membrane system..

TECHNICAL DATA

Model number	Oxygen content	Compressor charging rate ¹		Motor / motor output		Net weight approx.	Dimens. L x W x H
	%	l/min	cfm	Motor	kW		
B-NITROX Membrane Units							
B-MEMBRANE 260/32	32	260	9.2	Three-phase current 400 V, 50 Hz	7.5	420	165 x 85 x 152
B-MEMBRANE 320/32	32	320	11.5	Three-phase current 400 V, 50 Hz	11	420	165 x 85 x 152
B-MEMBRANE 550/32	32	550	19.4	Three-phase current 400 V, 50 Hz	15	420	165 x 85 x 152
B-MEMBRANE 700/32	32	700	24.7	Three-phase current 400 V, 50 Hz	15	420	165 x 85 x 152
B-MEMBRANE 320/36	36	320	11.5	Three-phase current 400 V, 50 Hz	11	420	165 x 85 x 152
B-MEMBRANE 550/36	36	550	19.4	Three-phase current 400 V, 50 Hz	15	420	165 x 85 x 152
B-MEMBRANE 700/36	36	700	24.7	Three-phase current 400 V, 50 Hz	18.5	600	165 x 84 x 182
B-MEMBRANE 320/40	40	320	11.5	Three-phase current 400 V, 50 Hz	15	420	165 x 85 x 152
B-MEMBRANE 550/40	40	550	19.4	Three-phase current 400 V, 50 Hz	18.5	600	165 x 84 x 182

¹ Measured by cylinder filling from 0–200 bar (0–3000 psi), ± 5 %