



SYNERGY

INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

UAE • UK • INDIA • AZERBAIJAN





SYNERGY ELECTRIC DIVER HOT WATER MACHINE (SY-SV-DHM-E02)

The Synergy Bell Electric Water Heater is a compact, popular unit, ideal for diver heating applications.

The heater unit offers a high capacity heating solution in a robust stainless steel frame with a small footprint that makes effective use of available deck space.

Five banks of individually switched heater elements heat the supply water up to 42°C (74°F) above the ambient or supply temperature and by selecting a suitable bank or combination of banks, basic water temperature control is achieved. The finer control of the output water temperature is accurately maintained to within ±1°C of the required set point by an electronic controller actuated valve. The unit features a positive displacement pump with a minimum delivery of 30 litres per minute at pressures that are adjustable up to 15 bar. The system can be used up to 200 fsw diving depth. One water filters / strainers are provided to ensure continuous and trouble free pump operation. Analogue temperature / pressure gauges are fitted to the supply / delivery manifolds for easy performance monitoring.

The unit is encased into a robust stainless steel offshore crash frame with 4 certified lifting points

S/I	Recommended usage
1	Heating of air diver suit
2	Heating of Mix gas diver suit
3	Heating of Bell diving system
4	Backup or redundancy diver heating system
5	Backup or redundancy bell heating system

S/I	Specifications
	Inputs
1	Power requirement 380/440V, 50/ 60Hz, 145/130A 3-Phase
2	Main Fluid requirement -Sea Water at pressure >1 bar, >30 ltr/min
3	Alternate Flushing Fluid Supply Fresh Water at pressure >1 bar, >30 ltr/min
	Outputs
1	Fluid Temperature Heating range 0 deg C - 42 deg C (above supply temperature)
2	Fluid Delivery Temperature Set-Point Accuracy +1oC
3	Fluid Delivery rate 30 ltr/min approx.. at 15 bar pressure

Certifications	Provided with each hot water machine
International	IMCA D018 / D023 / D024
Manufacturer	Production, testing and electrical certificates
Class	Bureau Veritas Lifting test certificates (including MPI)

Warranty	12 month / 3000 hour standard warranty
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ORDERING INFORMATION

S/I	Part Number	Description
1	SY-SV-DHM-E02	ELECTRIC HOT WATER MACHINE



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SYNERGY ELECTRIC DIVER HOT WATER MACHINE (SY-SV-DHM-EO2)



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