



Atmospheric Diving System (ADS) HARDSUIT™ 1200

General

Maximum Operating Depth	1200 ft (365 m)
Weight in Air	732 lbs (333 kgs) dry
Weight in Water	4-8 lbs (2-4 kgs) in flying mode
Dimensions	Height: 81.2 inches (206 cm)
	Adjustable to operator's 62-75 inches tall (160-190 cm tall)
	Width: 44 in (112 cm)
Hull Material	A356 cast aluminum

ADS Description

Propulsion	2 x 2.25 hp – 400Hz
Motion Control	Foot controls: Right foot - Vertical control; Left foot - Lateral control
Communications	Hard wire - Digital voice over data Through water - 27 kHz acoustic
Life Support	Oxygen re-circulation with fan powered CO2 scrubbing capability Back-up oral / nasal lung powered emergency O2 Dual independent oxygen system (port and starboard)
Life Support Duration	6-8 hours normal dive time with 42 hours emergency life support
Color Video Camera with Zoom Pan and Tilt Unit	Simrad OE1367
Digital Still Camera (optional)	Westech Sub-sea
Scanning Sonar (optional)	Simrad
Analog Compass (optional)	
Hydraulic Tool Power Pack (optional)	Grinders, cutters, impact wrenches, hot stabs, pumps, etc.
NDT Sensors - (optional)	UT (flaw & thickness), C-P, MPI, flooded member, etc.

Safety / Emergency Equipment

Atmospheric Monitoring System	Surface monitoring for O2, depth, temperature, and cabin pressure
Ballast Jetting Capability	
Thruster (Propulsor) Jettison Capability	
Tether Cut / Jettison Capability	
Radio Frequency Beacon / Xenon Strobe	
Emergency 37.5 kHz Pinger	

Offices

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