

BROCO SWITCH WITH UMBILICAL STAND



SYNERGY
INNOVATIVE DIVING EQUIPMENT TRADING LLC

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Synergy's Broco Switch & Umbilical Stand unit is an integrated safety isolator and deck management rack engineered specifically for commercial subsea cutting and welding operations.

Designed to house high-amperage knife switches for underwater thermal burning systems, this unit provides immediate electrical safety isolation while optimizing deck space.

Featuring integrated dual-side umbilical storage horns, high-drain mesh grating, and certified lifting lugs, it provides a rugged, safe, and mobile station for marine contractors and offshore dive spreads.

ELECTRICAL SPECIFICATIONS

- **Maximum Current Rating:** 400A Continuous (600A Peak rating for heavy-duty thermal cutting)
- **Operating Voltage:** Up to 120V DC (Standard underwater cutting & welding rating)
- **Switch Mechanism:** Heavy-duty double-pole safety isolator knife switch
- **Cable Termination Ports:** High-flex cam-lock / DINSE style heavy-gauge output leads & connectors
- **Enclosure Protection:** IP66 / NEMA 4X Weatherproof marine enclosure with dual twist-locks
- **Enclosure Mounting:** Heavy-duty webbed retention strap with quick-release tension buckle

KEY FEATURES

- **Rapid Safety Isolation:** Dedicated heavy-amperage switch allows surface dive tender to quickly make/break electrical supply to underwater thermal burning torches.
- **Umbilical Management:** Dual-side ergonomic hanging horns keep expensive diver umbilicals off the deck, preventing tangling, pinch points, and damage.
- **Offshore Durability:** Rugged marine-grade finish resists saltwater corrosion, harsh weather, and heavy offshore handling.
- **Easy Deployment:** Integrated lifting lugs and forklift access allow effortless mobilization on dive boats, barges, and containerized diving systems.

MECHANICAL SPECIFICATIONS

- **Overall Dimensions (L x W x H):** Approx. 1500 mm x 800 mm x 1400 mm
- **Tare Weight (Dry):** Approx. 120 kg – 150 kg (Frame + Switch Enclosure)
- **Frame Material:** Heavy-duty tubular structural steel (316 Stainless Steel option available)
- **Deck Base Surface:** Heavy-duty steel mesh grating for fluid drainage and non-slip traction
- **Protective Coating:** Marine-grade epoxy primer with high-visibility polyurethane safety orange finish
- **Lifting & Handling:** Four-point top pad eyes for crane rigging; integrated base forklift pockets



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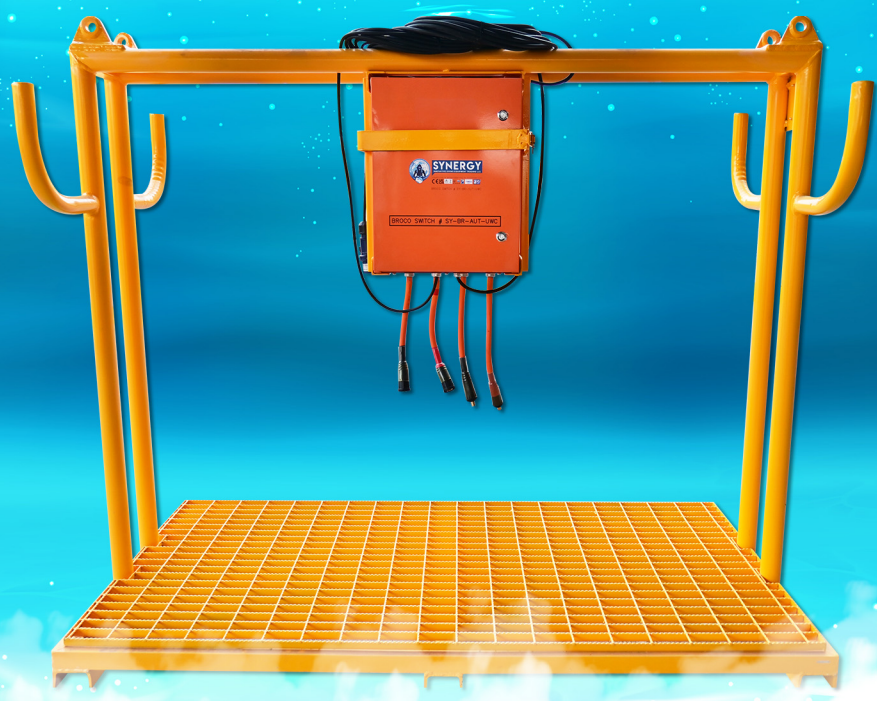
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