Technical information sheet

SWIS Capping Stack System

OSRL provides members with access to an integrated intervention package, which includes capping stack systems staged globally, designed to minimise environmental impacts during well control incidents by quickly sealing compromised wells. This includes a lightweight system located in Georgetown, Guyana, ideal for regional response.

Key Facts

- Capping stack systems available:
  - 2x 18¾" 15k stacks and 1x 7 1/16" 15k stack (Singapore, Brazil, Norway)
  - 1x 7 1/16" 10k stack (South Africa)
  - 7 1/16" 15k system based in Guyana
- Designed for subsea deployment up to 4,115m (13,500 ft) with Guyana's stack rated to 3,810m (12,500 ft)
- Transportable by sea, air, or road, suitable for varied metocean conditions
- Strategically stored in Brazil, Norway, Singapore, South Africa, and Guyana
- Adaptable to multiple wellhead, subsea tree, and BOP connections
- Maintained by Trendsetter Engineering on behalf of OSRL

Specifications : Global systems	
Design pressure	10,000 to 15,000 psi
Design life	20 years (storage) 6 months (flowing) 2 years (shut-in)
Operating water depth	Up to 4,115m
Flow rate	0 to 100,000 barrels per day of liquid
Operating temperature	-2°C to 150°C (operation) -20°C to 40°C (storage)

Specifications : Guyana-based system	
Design pressure	15,000 psi
Operating water depth	Up to 3,810m
Flow rate	0 to 330,000 barrels per day of liquid
Operating temperature	-2°C to 176°C
Material Compliance	NACE MR-0175 Zone 3w
Additional Features	Coiled tubing dispersant head, H4 and HC connectors

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OSRL Members can access the Capping Stack System through supplementary agreements.

Storage and Transport

- Systems are staged in Brazil, Norway, Singapore, South Africa, and Guyana for rapid deployment.
- Transportable by air, sea, and road, prepared for quick mobilisation

Package contents

Each package includes:

- Diverter outlets, adapter spools, and spacer spools for various well configurations
- Real-time pressure and temperature monitoring
- Spreader bars for installation, lifting gear, and accumulator racks for pressure control
- For Guyana: Coiled tubing dispersant head, ROV super grinder, Super Shears and additional debris removal tools

Components of the capping stack systems	
Global systems	**15k system:** 18¾" dual 15k rams, or 7 1/16" dual gate valves, 5 1/8" dual gate valves, retrievable chokes, ROV interface panel **10k System:** 7 1/16" dual gate valves, lower connectors, acoustic transponders
Guyana-Based System	Lightweight capping platform, 7 1/16" centre bore gate values, side out left 2 x 5 1/8" gate valves, ROV-operated valves, pressure and temperature sensors

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