RIGTOOLS

Safety and efficiency is our craft

MONSOON – Shaker Screen Washer

According to recent studies, manual high-pressure cleaning of shaker screens should be kept to an absolute minimum in order to avoid exposure hazards.

The MONSOON Shaker Screen Washer enables a safer working environment in the shaker room by reducing the time personnel are exposed to oil mist, fumes, drilling mud, benzene, and other hazardous chemicals.

Used together with the RIGTOOLS Shaker Screen Trolley, the MONSOON provides an easy, safe, and ergonomic solution for cleaning shaker screens while extending screen service life. It reduces waste while helping maintain a clean working environment, and lowers overall operating costs.

Old Way

- Manual cleaning of shaker screens using a high-pressure wash lance or hose.
- Personnel exposed to oil mist and benzene fumes during high-pressure washing.
- Mud sprays throughout the shaker room and onto the floor, creating a slip hazard.
- Potential damage to shaker screens due to too high water pressure on a small area.
- Personnel spending more time in the shaker room than necessary.

RIGTOOLS Way

- MONSOON Shaker Screen Washer automates shaker screen washing in an enclosed environment.
- Oil mist and fumes are vented away from the shaker room through the rig's ventilation system.
- Cuttings and mud are drained back to the cuttings drain.
- Cleans between 1 and 4 screens simultaneously, depending on the MONSOON version (single or double unit).
- Cleaning cycle time is adjustable from 45 to 90 seconds.
- The MONSOON features a cabin self-cleaning function, ensuring optimal cleaning performance and improves reliability.
- Every cleaning cycle includes an automatic drain flush.
- Can be combined with the RIGTOOLS Shaker Screen Trolley for easy, safe, and ergonomic handling of screens in the shaker room.

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TECHNICAL SPECIFICATIONS

- Weight of the MONSOON is 650 kg (accumulator bottles not included).
- Required compressed air supply: 6–8 bar.
- Required electrical supply: 230 VAC, 60 Hz, 6 A.
- Required water supply: 120–180 bar at 20–55 L/min.
- Accumulator bottles can be added to ensure a uniform water supply.
- ATEX Zone 1 certified.
- Water filter included to prevent nozzle blockage.
- Dimensions for the 1–2 screen unit: D × W 1040 × 820 mm; height: 2100 mm.
- Dimensions for the 2–4 screen unit: D × W 1040 × 1420 mm; height: 2100 mm.
- The MONSOON can be operated in different modes with adjustable wash time and water consumption.