

# SlurryAirSeparator

## Improving slurry quality with environmental compliance

### APPLICATIONS

- Elimination of chemical anti-foaming fluids
- Operations in environmentally sensitive areas
- Conventional and high-solids fraction cementing systems

### ADVANTAGES

- Minimizes environmental impact
- Enhances mixing effectiveness
- Improves slurry quality and rheologic properties

Chemical use is highly regulated, and strict discharge regulations help ensure that chemicals used pose no or very little harm to the environment.

Schlumberger offers a mechanical device for defoaming slurries that replaces chemical antifoaming fluids. The SlurryAirSeparator\* mechanical cement slurry defoamer uses the hydrocyclone principle to separate entrained air from the cement slurry during the mixing process. It can be used even with highly viscous slurries.

SlurryAirSeparator technology mechanically removes entrained air in the cement slurry, mitigating foaming problems and reducing pump cavitation issues. This, in turn, improves the cement mixing process and typically results in an improvement of

the cement job (better density control, optimized mixing rates, etc.).

The tool itself does not require a power supply. It also has no moving parts, so it is easy to install and maintain.

### PROVEN RESULTS

The SlurryAirSeparator service effectively removed air on a high-profile deepwater drilling rig in the North Sea. More than 1,400 m<sup>3</sup> of slurry has been successfully de-aerated on more than 31 cement jobs on 6 wells.



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