



XORE Boxray Analyzers

Xore's Boxray line of analyzers provides fast and accurate assays for slurry, electrolyte, leaching solutions and process water. High availability is achieved by using energy dispersive x-ray fluorescence (EDXRF), same technique as on leading laboratory analyzers. To avoid compromising on quality Boxray 24 and Boxray Compact have the same analysis components and performance, the difference is in what application they have their specific strengths.



Boxray 24

- On-line analyzer for 24 sample streams
- High availability
- Especially suitable for large scale operations or processes with higher rate of change
- No contamination between sample types
- High multitasking capability enables 24 streams to be analyzed in 6-12 minutes

Boxray Compact

- On-line analyzer for 16 sample streams
- High availability
- No contamination between high and low grade samples
- 16 sample streams analyzed in 10-12 minutes
- Slimmed design reduces requirements on installation space and makes it suitable also for smaller operations



Secondary Sampling Tanks



The Boxray 24 features 2x12 separate secondary sampling tanks while the Boxray Compact has 2x8 multiplexing tanks.

- Composite samples are drained to save time for the lab personnel
- Taps for spot samples
- Integrated lighting for a safer and more comfortable work place
- Screen baskets removes large particles and debris
- Primary sample flow rate 60-120 l/min

For applications on electrolyte, water or leaching solutions a smaller secondary sampling system is used. This reduces the requirements on the primary sampling system and in the end we can provide an efficient and affordable solution for on-line monitoring in water treatment plants, leaching plants and electrolytic refineries.

Product Comparison

Properties	Boxray 24	Boxray Compact
Number of streams	24	16
Analysis cycle time (@ max no. streams)	6 - 12 min	10 - 12 min
Elements (Atomic number)	19 - 92	19 - 92
Typical measurement time	30 - 40 s	15 - 30 s
Sample concentration (30 s analysis)	0.001 - 100%	0.001 - 100%
Detection limit (Ag in Slurry, 30% solids, 30 s analysis)	5 ppm	5 ppm
Reproducibility (%solids > 30%, concentration > 20%)	< 0.5% relative	< 0.5% relative

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