Smart AOX Sample Preparation
According to Column Method
APU 28 connect

analytik jena
An Endress+Hauser Company

Smart AOX Sample Preparation

APU 28 connect combines usability and speed in AOX/AOF sample preparation. Increase your sample throughput and remain flexible and cost-effective.

Sample preparation is the bottleneck in AOX analysis. There are numerous obstacles that can distort analysis results. Standard-compliant sample preparation is therefore essential to ensure reliable analyses and a time-saving, easy-to-use workflow.

The APU 28 connect makes AOX sample preparation profitable. It combines standard-compliant methods, automation, and ease of use. It is ideal for **high-throughput applications**, as parallel sample enrichment allows you to reduce the preparation time in your lab significantly. The **touch display offers intuitive operation** with minimal effort and reduced programming time for any skill level. Durable components and materials enable long service lives, making the system ideal for **unattended 24/7 operation**. A wide application spectrum – AOF, SPE-AOX, and AOX column method – allows you to react quickly to changing analytical requirements.

Time-saving SPE-AOX preparation
APU 28 connect offers sophisticated solutions for challenging sample types. The SPE option is ideal for saline samples. It enables AOX, AOF, and SPE-AOX sample preparation with one device, significantly simplifying AOX routine analysis in the future.

Your benefits at a glance:
- Automatic enrichment of up to 28 samples
- Ideal for unattended and 24/7 operation
- Intuitive control via integrated touch display
- Application versatility - AOX, AOF, and SPE-AOX according to column method
- Standard-compliant sample preparation (e.g., ISO 9562, EPA 1650C, EPA 9020B)
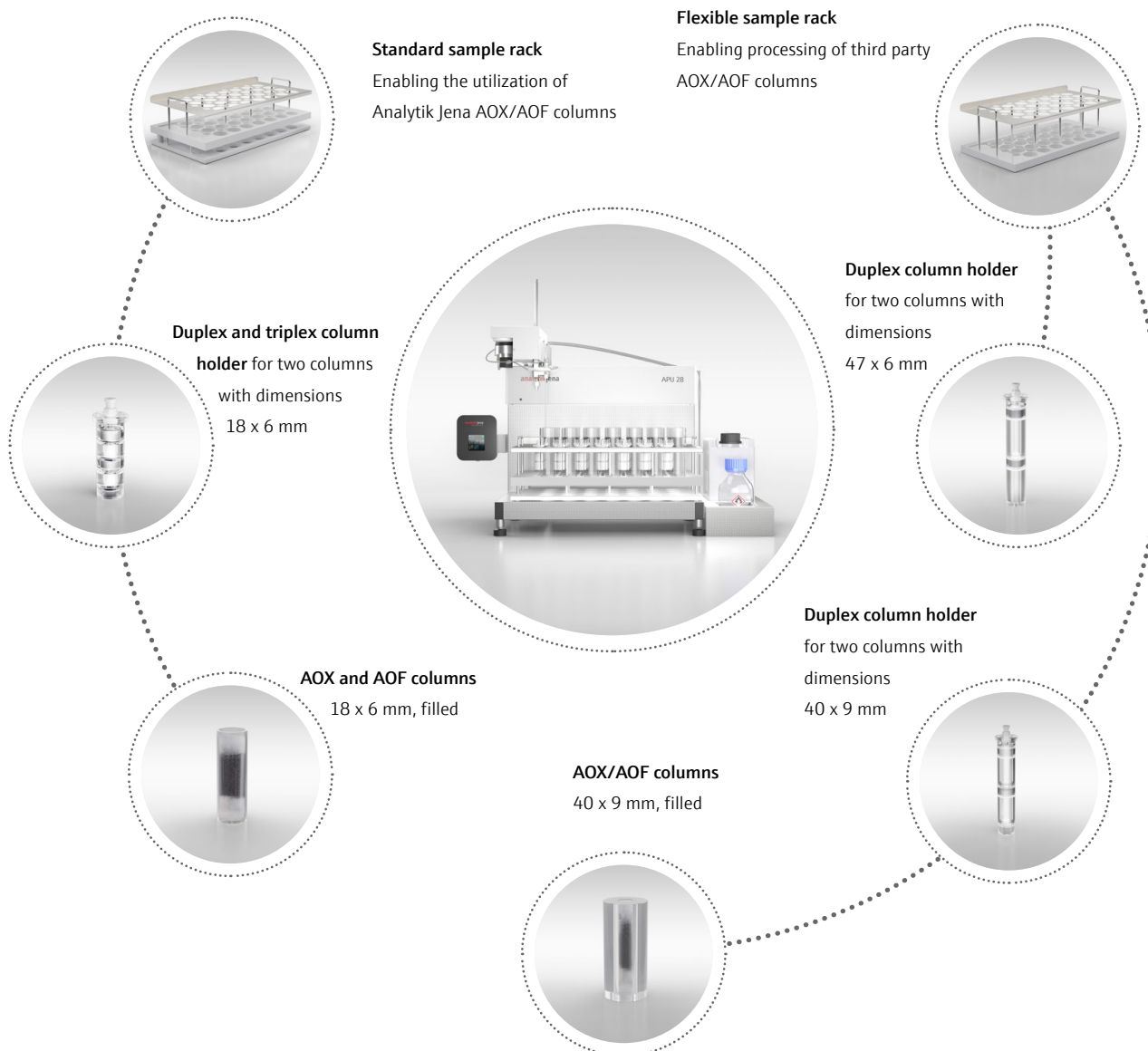
Unlimited flexibility

All APU 28 devices can be used with AOX/AOF adsorption columns of other manufacturers. A flexible tray and optimized column holders enable fast and easy processing. Analytik Jena also offers consumables and columns for many sample preparation systems. Columns are available in sizes 18 x 6 mm and 40 x 9 mm. Benefit from ultra-low blank values, especially for AOF columns.

APU 28 connect SPE

**Ideal for samples with high saline content,
AOX and SPE-AOX sample preparation with one device**

APU 28 connect S

**Optimal solution for high-throughput applications,
simultaneous preparation of two samples**

Flexible sample rack
Enabling processing of third party
AOX/AOF columns

Standard sample rack
Enabling the utilization of
Analytik Jena AOX/AOF columns

Duplex column holder
for two columns with
dimensions
47 x 6 mm

**Duplex and triplex column
holder** for two columns
with dimensions
18 x 6 mm

AOX and AOF columns
18 x 6 mm, filled

Duplex column holder
for two columns with
dimensions
40 x 9 mm

AOX/AOF columns
40 x 9 mm, filled

Product Overview

Automation is a decisive factor for an efficient sample preparation process. The ideal partner for **APU 28 connect** is Analytik Jena's AOX analyzer **multi X 2500**. Together with the autoX 112 autosampler, the setup allows for the processing of 112 samples in 24-hour operation.
The multi X 2500 is universally applicable for the analysis of samples prepared by column or batch method. Other applications include EOX, POX, determination of TOC in wastewater, and TCl in organic solids and liquids.

APU sim is another AOX sample preparation system by Analytik Jena. It is ideal for small sample numbers, offering simultaneous enrichment of up to six samples by column method. The system is well suited to handle particulate and saline samples.

For the analysis of aqueous and solid samples (e.g., sludge, sediments), the **AFU 3** enables the semi-automated preparation of up to three samples using the batch method. It is an excellent alternative to classic membrane filtration.

APU 28 connect

multi X 2500

APU sim

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