



## Water Quality Testing at its Best!

Water covers nearly 75% of our planet; however, because a substantial amount is saline or locked up in icecaps and glaciers or otherwise inaccessible, only 0.3% of fresh water can be used in our daily lives ... and even that is optimistic. Therefore environmental scientists monitor for possible contaminants in water to determine if it is suitable to drink ... if it will be used in an industrial process ... if it will be released back into the environment ... if a lake or river or other body of water is in danger of being choked off by algae....

Essentially the reasons why water quality is important are quite numerous; and as a result, environmental chemists are often overwhelmed by high volumes of samples waiting to be analyzed--many needing to be

analyzed within days of receipt. Certainly, having to perform such tests by hand would either be impossible or would require a sizable labor force.

Consequently, Astoria-Pacific International offers the water testing laboratory the means to manage such workloads with the Astoria Analyzer. Many tests like ammonia, nitrate, nitrite and orthophosphate can be automated and be analyzed at up to 120 samples per hour (depending on test configuration)--while freeing up the technician to perform other tasks in the lab.

Using Astoria Analyzers, labs not only save money reducing reagent and waste disposal costs but also use personnel more effectively.

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### EPA approved tests and ranges

Test	EPA Method #	Overall Range
Ammonia	Method 350.1	0.001 – 4 mg/L
Chloride	Method 325.2	0.05 – 400 mg/L
Cyanide w/ Online Dist	Method 335.3	0.0005 – 1.00 mg/L
Post-Dist. Cyanide	Method 335.4	0.0005 – 1.00 mg/L
M.O. Alkalinity	Method 310.2	2 – 200 mg/L
Nitrate	Method 353.2	0.0005 – 5 mg/L
Orthophosphate	Method 365.1	0.0005 – 200 mg/L
Phenol	Method 420.2	0.002 – 0.5 mg/L
Sulfate	Method 375.2	1 -300 mg/L
Total Kjeldahl Nitrogen	Method 351.2	0.05 – 80 mg/L
Total Phosphorus (TK)	Method 365.4	0.01 – 40 mg/L
Total Phosphorus (Per)	Method 365.3	0.001 – 2 mg/L

## Required Bench-top (Operational) Space

**2 channel unit:** 11.25 inches W x 17.25 inches D x 10 inches H (28.6 cm W x 43.8 cm D x 25.4 cm H)

**3 - 6 channel unit:** 22.5 inches W x 17.25 inches D x 10 inches H (57.2 cm W x 43.8 cm D x 25.4 cm H)

## Multi Test Cartridge

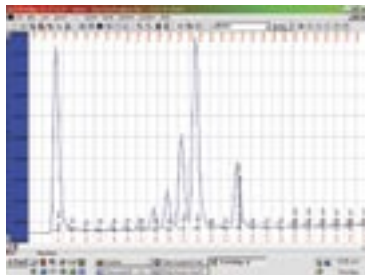
- Seven common tests on one tray
- Easy to use and set up
- Timesaving cartridge
- Compliant with EPA methods

## Key Features of FASPac II

- Timed events: pump, heat bath, lamp control
- Real time Sample Table correction
- Peak markers/ID's on real time signal plot
- Calibration Wizard for online standards prep<sup>^</sup>
- Bi-directional LIMS communication
- Export/Import reports/Sample Tables
- Pseudo channels for analytical corrections/calculations
- Ability to add samples during a run

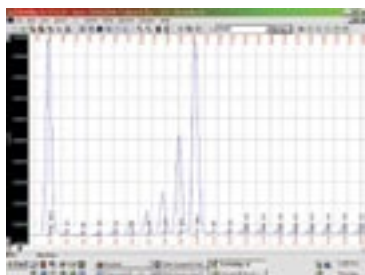
<sup>^</sup>NOTE: Diluter module required

## Peak signal plot of the Low-Level Orthophosphate method



Range: 0.5 - 50 ppb  
Mean=0.70 ppb  
SD=0.085 ppb  
RSD=12.23%  
MDL=0.24 ppb  
Analysis rate: 45 samples/hour

## Peak signal plot of the Low-Level Phenol method



Range: 2.0 - 100.0 ppb  
Mean=2.47 ppb  
SD=0.221 ppb  
RSD=8.96%  
MDL=0.62 ppb  
Analysis rate: 45 samples/hour

We hope you understand our commitment to excellence. By choosing Astoria-Pacific International, you not only gain a compact, robust, reliable analyzer but also gain the best Customer and Technical Support teams in the industry. Whether it is showing you how to run the system for the first time, giving you pointers on

the best ways to maintain system performance, making sure you have the supplies necessary for uninterrupted operation, or helping you push your detection limits, Astoria-Pacific is dedicated to making sure that your needs are met. Essentially, by choosing Astoria-Pacific, you are choosing the Best!