

HORIBA Jobin Yvon ALLIANCE SERVICE FOR THE Elemental Analysis DIVISION

## A Platform of Support

ALLIANCE is an association, an affiliation, a partnership, a connection... our connection with you. It is an extension of HORIBA Jobin Yvon to your company, an association. Where your goals become our goals through our commitment to the continued successful operation of your instrument and the support to your operators.



### The ALLIANCE Mission

**HORIBA Jobin Yvon is committed to a full service philosophy dedicated to professional expertise in all aspects of instrument service and support with the assurance of excellence in serving the changing needs of our local, national and international customers**

Training programs around the world

Comprehensive partnership agreements for service maintenance

Remote diagnostics for service and applications support via modem\*

Supplies, accessories and upgrades for the future growth of your instrument

User Group Meeting and WorldLink Forum provide continuous communication

Made-to-measure instruments customized for radiological and mobile environments

\* In countries where available.

### MORE OPTIONS

With Rinsing Station and Organics Mixing system on AS-500 Auto Sampler  
Auto-dilution system  
Remote Diagnostics (network-ready)  
PlasmaCam Remote Plasma Viewing (network-ready)  
GenCo cooler for generator and torch coil  
Nitrogen generator  
Inorganic and Organic standard Solutions (SPEX CertiPrep & Précis)

Visit our Web site :  
[www.jobinyvon.com](http://www.jobinyvon.com)

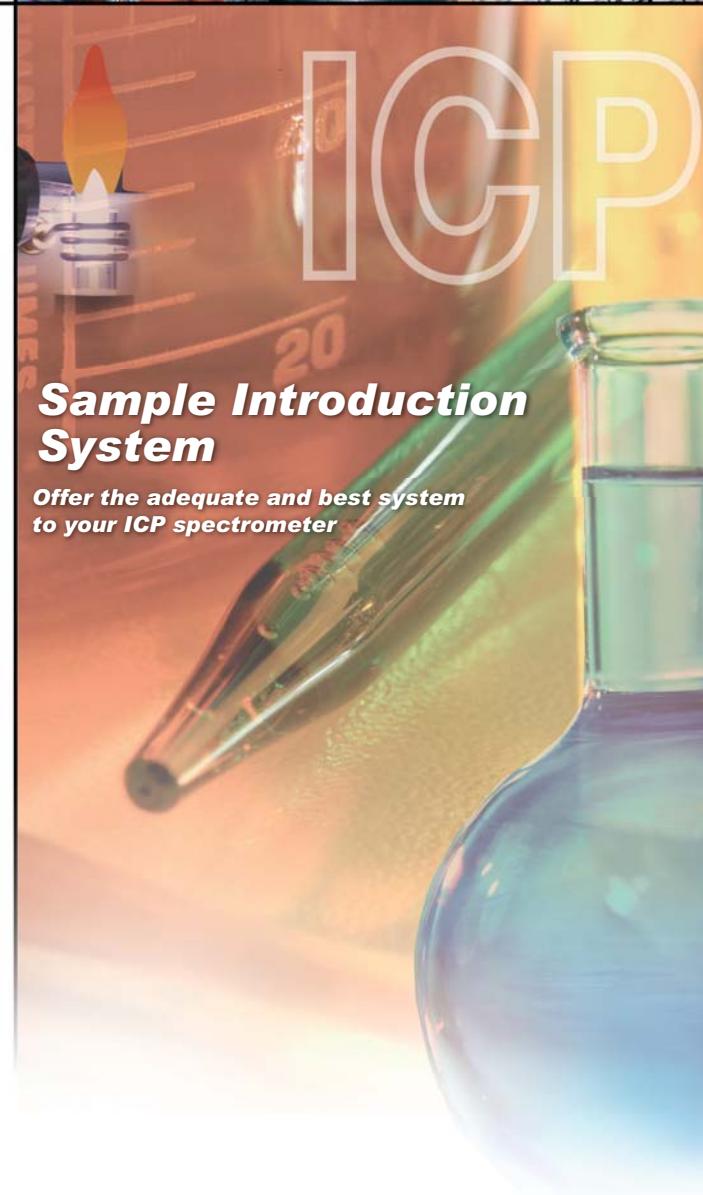
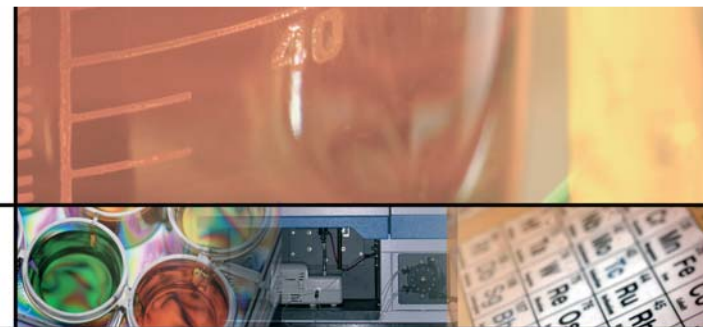


Specifications subject to change without notice.

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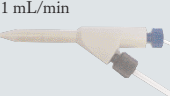
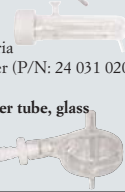






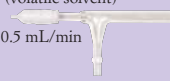
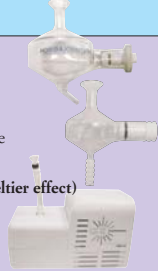







## Sample Introduction System

Offer the adequate and best system to your ICP spectrometer

**HORIBA**

# Supplies

## Samples introduction systems

Sample Type / Item	Nebuliser	Spray Chamber	Torch	Observations
<b>Standard</b>  kit P/N: 24 031 500	<b>Concentric, glass</b> P/N: 47 929 058 50 psi argon gas, 1 mL/min sample uptake 	<b>Cyclone, glass</b> P/N: 47 929 056 	<b>Demountable torch</b> P/N: 21 356 110 	<b>Specifications:</b> high sensitivity, short washout time  <b>Examples of application:</b> routine applications of clean aqueous or organic solutions (water,...)
<b>High Total Dissolved Solids (TDS) / Mineral Salt</b>  kit P/N: 24 072 160 (concentric / cyclo) 24 031 510 (parallel / cyclo) 24 031 570 (parallel / Scott)	<b>Concentric, glass</b> P/N: 24 072 150 30 psi argon gas, 2 mL/min sample uptake   <b>Parallel flow, PEEK/Teflon</b> P/N: 47 929 024 50 psi argon gas, 1 mL/min sample uptake 	<b>Cyclone, glass</b> P/N: 47 929 056 If sensitivity is the main criteria  <b>Double pass, glass</b> P/N: 31 031 491 If stability is the main criteria Requires a nebuliser adapter (P/N: 24 031 020)  <b>Cyclone with central transfer tube, glass</b> P/N: 47 929 063 For good sensitivity and stability compromise 	<b>Demountable torch</b> P/N: 21 356 110   <b>Sheath gas system (glass)</b> P/N: 21 356 040 	<b>Specifications:</b> suitable to high Total Dissolved Solids (TDS), high precision  <b>Examples of application:</b> waste, sediment, sea water, metals (Cu 30 g/l, precious metals,...), alloys, NaCl 300 g/l, LiBO <sub>2</sub> 20 g/l (fusion),... Leachates, cement, Ca sulfate require preferably the concentric nebuliser  <b>Argon humidifier</b> (P/N: 24 056 810) is required with the concentric nebuliser
<b>Hydrofluoric Acid (HF)</b>  kit P/N: 24 031 710	<b>Parallel flow, PEEK/Teflon</b> P/N: 47 929 024 50 psi argon gas, 1 mL/min sample uptake 	<b>Cyclone, Teflon</b> P/N: 47 929 031 	<b>Demountable torch</b> P/N: 21 356 110 Alumina inner (P/N: 31 032 312) and outer (P/N: 31 032 313) tubes available if B, Na, Si to measure at trace levels  <b>Sheath gas system (inert material)</b> P/N: 20 925 160 	<b>Specifications:</b> suitable to hydrofluoric acid (HF)  <b>Examples of application:</b> refractory samples requiring HF digestion (Ti base, silica, ashes, filters (air samples)...)
<b>Limited Volume / Volatile Solvent</b>  kit P/N: 24 072 030 (100 µl/min concentric / mini-cyclo)	<b>Concentric, glass (limited volume)</b> P/N: 47 929 053 50 psi argon gas, 100 µL/min sample uptake   <b>Concentric, glass (volatile solvent)</b> P/N: 24 072 100 30 psi argon gas, 0,5 mL/min sample uptake 	<b>Cyclone, glass</b> P/N: 31 031 279  <b>Mini-cyclone, glass</b> P/N: 47 929 049 For sensitivity at low uptake and very fast washout  <b>Cooled cyclone, glass (Peltier effect)</b> P/N: 24 072 210 For optimum sensitivity with volatile samples 	<b>Demountable torch</b> P/N: 21 356 110   <b>Sheath gas system (glass)</b> P/N: 21 356 040 	<b>Specifications:</b> suitable to low volume or volatile samples, with optimum sensitivity  <b>Examples of application:</b> biological or nuclear samples (small amount); ethanol, MIBK, gasoline, acetic acid (volatile)...
<b>Organics / Slurries</b>  kit P/N: 24 031 610 (0.7 mm id nebuliser) 24 031 600 (1 mm id nebuliser)	<b>Jobin Yvon, Pt needle, Zr nozzle</b> P/N: 24 031 060 0.7 mm id needle   <b>Jobin Yvon, Stainless Steel needle, Zr nozzle</b> P/N: 24 031 050 1 mm id needle (for large particulates, ie wear metals) 	<b>Double pass, glass</b> P/N: 31 031 491 Requires the JY nebuliser adapter (P/N: 24 031 070) 	<b>Demountable torch</b> P/N: 21 356 110   <b>Sheath gas system (glass)</b> P/N: 21 356 040 	<b>Specifications:</b> robust and stable operating conditions, high precision  <b>Examples of application:</b> wear metals in oil, fuel, biodiesel, particulates...  <b>Oxygen Kit</b> (P/N: 24 056 360) is required for analysis of Na and K at ppb levels in organic samples

## Other accessories

<b>Ultra Sonic Nebuliser</b> P/N: 24 031 650 For aqueous solutions (gain in sensitivity by a factor of 5 to 20) 	<b>Concomitant Metals Analyser (CMA)</b> P/N: 24 072 140 Kit P/N: 24 031 660 (concentric) 24 031 670 (parallel) For simultaneous analysis of hydrides and elements which don't create hydrides 	<b>Laser ablation</b> For solid samples for microanalysis 	<b>Hot Wax</b> P/N: 24 056 740 For samples that solidify at room temperature (heating from sample tube to spray chamber) 	<b>AS-500 autosampler</b> P/N: 44 820 097 (up to 360 samples) 
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