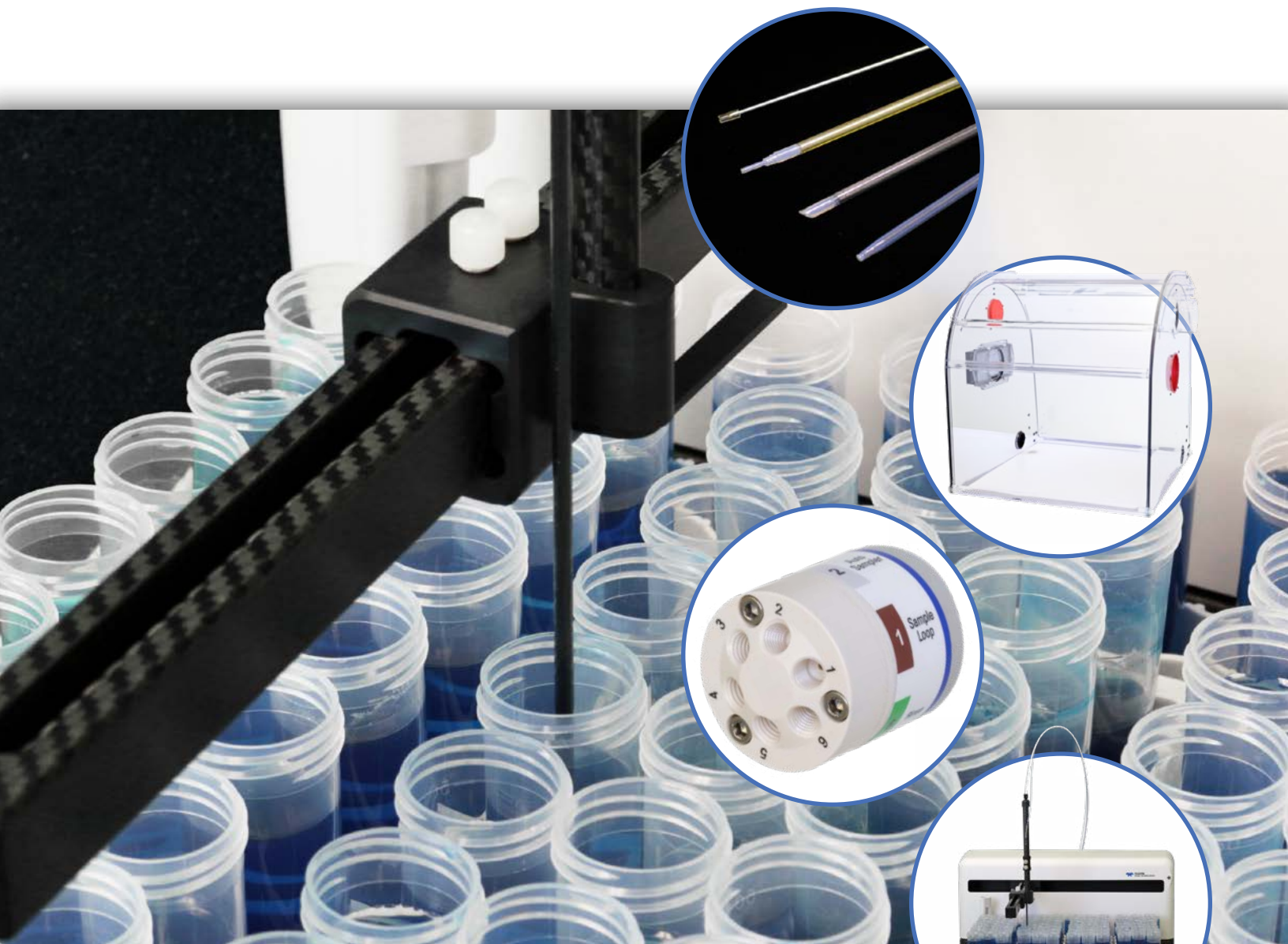# Teledyne CETAC Consumables and Supplies Guide

Featuring Particle Counting, Sample Introduciton Products, Sample Prep, and more

Supporting the Laboratory
2019–2020

Automation and Accessories Included!

PerkinElmer®
For the Better

Table of Contents

ASX-110FR MicroAutosampler

The ASX-110FR Flowing Rinse MicroAutosampler features a compact size, integrated protective cover and dual flowing rinse station for handling small volume samples (<2 mL) in a cleanroom environment.

MODEL AND ITEMS INCLUDED	PART NO
Pumped Rinse Model - Rinse pump: 2-channel Peristaltic pump - Rinse station: polypropylene - Sample rack: 24 Position, PFA, with 1.5 ml vials - Sample Probe: Carbon fiber .5mm ID - DB-9 Communication cable - Miscellaneous tubing for hook up - Power supply with US, UK & European plugs	N0777190
Gas Displacement Model - Rinse pump: Gas Displacement (Polypropylene) - Rinse station: polypropylene - Sample rack: 24 Position, PFA, with 1.5 ml vials - Sample Probe: Carbon fiber .5mm ID - DB-9 Communication cable - Miscellaneous tubing for hook up - Power supply with US, UK & European plugs	N0777191
High Purity Gas Displacement Model - Rinse pump: Gas Displacement (PFA) - Rinse station: PFA - Sample rack: 24 Position, PFA, with 1.5 ml vials - Sample Probe: Carbon fiber .5mm ID - DB-9 Communication cable - Miscellaneous tubing for hook up - Power supply with US, UK & European plugs	N0777192

ASX-200/500/800 Series of Autosamplers

More features and improved performance define the next generation of autosampler from Teledyne CETAC Technologies. Built upon the reliability of their predecessors with latest generation electronics, improved accessory interfaces, enhanced pumping capabilities, easier serviceability and a sleek new design, these autosamplers provide all of the features of a CETAC Autosampler in compact, easy to use systems.

MODEL AND ITEMS INCLUDED	PART NO
ASX-280 – Aqueous - 2 each 60 position sample racks with full set of 15mL vials - 10 standard locations with 50mL vials (included) - 0.5 mm I.D. carbon fiber supported sample probe - Rinse pump: 2-channel Peristaltic pump - Interface connect cables (DB9 & USB) - Miscellaneous tubing for setup - Power supply with US, UK & European plugs	N0782036
ASX-280 – Oils - 1 each 80 position sample racks with full set of 15mL vials - 10 standard locations with 50mL vials (included) - Filtered stainless steel sample probe - Rinse pump: 2-channel Peristaltic pump - Interface connect cables (DB9 & USB) - Miscellaneous tubing for setup - Adapter plate for PE OE4 rack and 80 position CETAC rack - Power supply with US, UK & European plugs	N0780825
ASX-560 – Aqueous - 4 each 60 position sample racks with full set of 15mL vials - 10 standard locations with 50mL vials (included) - 0.5 mm I.D. carbon fiber supported sample probe - Rinse pump: 2-channel Peristaltic pump - Interface connect cables (DB9 & USB) - Miscellaneous tubing for setup - Power supply with US, UK & European plugs	N0782035
XLR-860 – Aqueous - 8 each 60 position sample racks with full set of 15mL vials - 10 standard locations with 50mL vials (included) - 0.5 mm I.D. carbon fiber supported sample probe - Rinse pump: 2-channel Peristaltic pump - Interface connect cables (DB9 & USB) - Miscellaneous tubing for setup - Power supply with US, UK & European plugs	N0780826

APS-1650 Automated Preparation Station
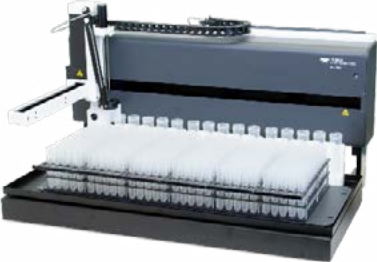
Pre-analysis preparation of oil samples is achieved via a relatively simple dilution process; however these dilutions are time consuming and carry the potential for human error. The APS-1650 Automated Preparation Station addresses the need for an automated process solution for the preparation of diluted oil samples. The system is designed to ensure fast, accurate sample dilutions in a small footprint which saves time and bench space.

MODEL AND ITEMS INCLUDED	PART NO

APS-1650 – Oils
- Sample rack options*:
    - 80 and 90 position pour off racks
    - 45 position using 2 or 4 oz bottle rack
- Collection rack options*:
    - 60 and 80 position rack using 15mL vial
    - 90 or 96 position CETAC rack using 8mL vial
- Rinse pump: 3-channel Peristaltic pump
- Stainless Sample probe
- Syringe pumping module
- Software
- Miscellaneous tubing used for operation
- Power supply with US, UK & European plugs
 	
*please ask customer and specify on your order
	N0777177

Oils 7400 & Oils 7600 Homogenizing Autosamplers

The new Oils 7400 and Oils 7600 Homogenizing Autosamplers are designed to prevent sample settling by mxing each sample prior to analysis. These autosamplers also boast a sliding rinse station fed by dual peristaltic pumps to quickly change between oil and coolant testing on demand.

MODEL AND ITEMS INCLUDED	PART NO
Oils 7400 – no racks included - 10 standard locations with 50mL vials included - Filtered stainless steel sample probe - Dual rinse pumps: 2 × 2-channel peristaltic pump - Interface connect cables (DB9 & USB) - Miscellaneous tubing for hook up - Power supply with US, UK & European plugs	N0810894
Oils 7400 with 80 position racks	N0810895
Oils 7400 with 60 position racks	N0810896
Oils 7400 with 96 position racks	N0810897

MODEL AND ITEMS INCLUDED	PART NO
Oils 7600 – no racks included - 10 standard locations with 50mL vials included - Filtered stainless steel sample probe - Dual rinse pumps: 2 × 2-channel peristaltic pump - Interface connect cables (DB9 & USB) - Miscellaneous tubing for hook up - Power supply with US, UK & European plugs	N0810908
Oils 7600 with 80 position racks	N0810909
Oils 7600 with 60 position racks	N0810910
Oils 7600 with 96 position racks	N0810911

Autosampler Enclosures

MODEL	PART NO
ENC-280 DC Autosampler Enclosure **Used with ASX-260, ASX-280, AS-90, AS-90A, AS-90 Plus, AS-91, AS-93 Plus, and AS-S10 autosamplers**	N0811930
ENC-560 DC Autosampler Enclosure (shown with autosampler, not included) **Used with ASX-510, ASX-520, ASX-560, AS-90A, AS-90 Plus, AS-91, AS-93 Plus, and AS-S10 autosamplers**	N0811931
ENC-860 DC Autosampler Enclosure **Used with EXR-8, XLR-8, and XLR-8$_{60}$ autosamplers**	N0811932

PARTICLE PLUS Precision Sample Introduction System

The *PARTICLE XPRESS* Precision Sample Introduction System is an add-on for the Oils 7400 Autosampler and the PPS Particle Counter for conducting automated particle counting. The system is available as an online package for combined particle counting and ICP analysis on a single sample or as an offline package for particle counting only.

MODEL AND ITEMS INCLUDED	PART NO
Particle XPRESS Sample Introduction System for online particle sizing applications (ICP and Particle sizing) (requires Oils 7400 Autosampler) - *PARTICLE XPRESS* control Module - Valve module with 6 port oils valve - Pump module with 10 mL Syringe - 1.5 mm stainless steel sample probe with filtered tip - Sample and buffer loops - Valve mounting bracket and screws - Particle size sensor mount - General tubing and completion kit - Interface connect cables (DB9 & USB) - Power supply with US, UK & European plugs	N0810898
Syringe Pump Module for Oils 7400 for offline particle sizing applications (Particle sizing only) (requires Oils 7400 Autosampler) - Pump module with 10 mL Syringe - 1.5 mm stainless steel sample probe with filtered tip - Particle size sensor mount - Tubing and completion kit - Interface connect cables - Power supply with US, UK & European plugs	N0810902
Particle XPRESS Upgrade (convert offline particle sizing system to online) - *PARTICLE XPRESS* control Module - Valve module with 6 port oils valve - Sample and buffer loops - Valve mounting bracket and screws - General tubing and completion kit - Interface connect cables (DB9 & USB) - Power supply with US, UK & European plugs	N0810918

ASXpress Plus Rapid Sample Introduction Accessory

The *ASXPRESS PLUS* is a simple sample injection accessory that dramatically increases sample throughput to an ICP-OES or ICP-MS. The *ASXPRESS PLUS* features a metal-free, 6-port injection valve and inert, high-speed vacuum pump to rapidly load a sample loop for introduction to the nebulizer. A simple software control system controls *ASXPRESS PLUS* parameters (ex. load time); all system parameters are stored in the *ASXPRESS PLUS* control module.

MODEL AND ITEMS INCLUDED	PART No
Aqueous version - 1.0 mm I.D. carbon fiber supported sample probe - Sample loops: 1 ea. 2.0mL & 1 ea. 4.0mL - *ASXPRESS* method setup software - Interface connect cables (DB9 & USB) - General tubing and completion kit - Power supply with US, UK & European plugs	
ASXPRESS PLUS for ASX-260/280/510/520/560, XLR-8/8$_{60}$	N0777789
ASXPRESS PLUS for PerkinElmer S10/AS93+	N0777791
ASXPRESS PLUS for Oils 7400/7600 (Coolants)	N0810889
Oils version - 1.0 mm I.D. stainless steel sample probe - Sample loops: 1 ea. 1.02mL, 1 ea. 1.36mL & 1 ea. 2.00mL - *ASXPRESS* method setup software - Interface connect cables (DB9 & USB) - General tubing and completion kit - Power supply with US, UK & European plugs **Note: ASX-1400 and ASX-1600 include diaphragm vacuum pump used to supply rinse solution**	
ASXPRESS PLUS for ASX-260/280/510/520/560	N0777790
ASXPRESS PLUS for ASX-1400/1600	N0777793
ASXPRESS PLUS for Oils 7400/7600 (Oils)	N0810900
ASXPRESS PLUS for Oils 7400/7600 (Oils and Coolants)	N0810901

Ultrasonic Nebulizers – U5000AT⁺/U6000AT⁺

The U5000AT⁺ Ultrasonic Nebulizer offers up to 10x lower detection limits for ICP-OES and ICP-MS versus a conventional pneumatic nebulizer. Samples are introduced onto a highly efficient piezoelectric transducer, providing greater analyte transport efficiency to the ICP. The U6000AT⁺ adds a membrane desolvation module to the U5000AT⁺ Ultrasonic Nebulizer. The U6000AT⁺ offers improved reduction of solvent-based interferences in ICP-OES and ICP-MS. The U6000 AT⁺ is especially useful for the introduction of volatile organic solvents.

MODEL AND ITEMS INCLUDED	PART NO
U5000AT⁺, 115V, 50/60 Hz - US power cord included	N8120140
U5000AT⁺, 230V, 50/60 Hz - European power cord included	N8120141
U6000AT⁺, 115V, 50/60 Hz - US power cord included	N0691709
U6000AT⁺, 230V, 50/60 Hz - European power cord included	N0691710

Supplies for *Particle XPRESS* Precision Sample Introduction System

DESCRIPTION	PART NO	COMPATIBILITY
Stainless Steel Sample Probe with Filtered Tip (Used in Particle Analysis)	N0811963	*PARTICLE XPRESS*
Buffer Loop	N0811986	*PARTICLE XPRESS*
10mL Syringe	N0772113	*PARTICLE XPRESS*
Seal Kit for 10mL Syringe	N0810925	*PARTICLE XPRESS*
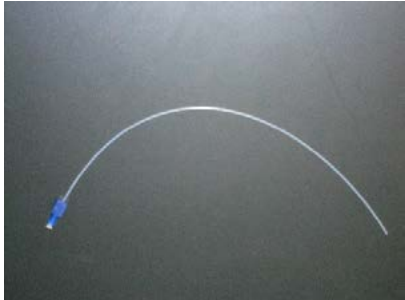
Supplies for *Particle XPRESS* Precision Sample Introduction System

DESCRIPTION	PART NO	COMPATIBILITY
Small ID Sample Loops – 1.0 mm ID		*PARTICLE XPRESS*
(Organics Only)		*ASXPRESS PLUS*
For use with the valve/pump module. Tubing material: PFA Includes 2 flangeless connectors		
Sample Loop – SL 0.91 mL	N0777593	
Sample Loop – SL 1.02 mL	N0777594	
Sample Loop – SL 1.14 mL	N0777595	
Sample Loop – SL 1.25 mL	N0777596	
Sample Loop – SL 1.36 mL	N0777597	
Sample Loop – SL 1.48 mL	N0777598	
Sample Loop – SL 2.0 mL	N0777850	
Sample Loop – SL 2.5 mL	N0777851	
Sample Loop – SL 3.0 mL	N0777852	
Sensor to Valve Tubing	N0811987	*PARTICLE XPRESS*
Fitting Kit Includes: 2 – green flangeless connectors – CTFE 2 – blue flangeless connectors - CTFE 2 – white flangeless connectors - CTFE 2 – natural flangeless connectors - CTFE 10 – 1.6 mm (1/16 in) CTFE ferrules 1 – 6.4 mm to 3.2 mm (¼-28 UNF to 1/8") barbed fitting - ETFE	N0777579	*PARTICLE XPRESS* *ASXPRESS PLUS*
Ferrule Kit 10 each – 1.6 mm (1/16 in) CTFE ferrules	N0777855	*PARTICLE XPRESS* *ASXPRESS PLUS*

Supplies for *Particle XPRESS* Precision Sample Introduction System

	DESCRIPTION	PART NO	COMPATIBILITY
	Nut and Ferrule Position Placement Fitting PEEK 1 each	N0811990	*PARTICLE XPRESS*
	Syringe Divert Valve	N0782067	*PARTICLE XPRESS*
	6-Port Valve for Oils Applications PPS (polyphenylene sulphide) construction 0.030" (0.76 mm) ID ports	N0777578	*PARTICLE XPRESS* *ASXPRESS PLUS*
	6-Port Valve Coupler	N0777570	*PARTICLE XPRESS* *ASXPRESS PLUS*

Supplies for *Particle Xpress* Precision Sample Introduction System

DESCRIPTION	PART NO	COMPATIBILITY
6-Port Valve Clamp Ring For repair of the Valve/Pump Module.	N0777856	*PARTICLE XPRESS* *ASXPRESS PLUS*
Carrier Solution Tee Assembly Oils Applications Tubing material: PFA Tubing length: 91.5 cm (36 in) Tubing diameter: 0.8 mm ID x 1.6 mm OD (1/32 in x 1/16 in) Includes Nickel-Plated barbed tee fitting and 1.6 mm (1/16 in) flangeless connector	N0777858	*PARTICLE XPRESS* *ASXPRESS PLUS*
Nebulizer Line Assembly Tubing material: PFA Tubing length: 35.5 cm (14 in) Tubing diameter: 0.8 mm ID x 1.6 mm OD (1/32 in x 1/16 in) Includes 1.6 mm (1/16 in) flangeless connector (blue)	N0777859	*PARTICLE XPRESS* *ASXPRESS PLUS*
Spare Tubing Kit Tubing material: PFA Tubing length: 3.05 m (10 ft) Tubing diameter: 1.0mm ID	N0777860	*PARTICLE XPRESS* *ASXPRESS PLUS*
Spare Tubing Tubing length: 3.05 m (10 ft)		*PARTICLE XPRESS* *ASXPRESS PLUS*
3.2 mm (1/8 in) Tygon® FL for oils	N0777863	
4.8 mm (3/16 in) Tygon® FL for oils	N0777864	

Supplies for *Particle Xpress* Precision Sample Introduction System

DESCRIPTION	PART NO	COMPATIBILITY
Particle Xpress Tubing Kit **Includes:** • Sensor to Valve Tubing • Particle Count Syringe Rinse Tubing Assembly • Nebulizer Line Assembly • Carrier Solution Tee Assembly • 3 mL Particle Buffer Loop • 1.36 mL Sample Loop	N0810927	*PARTICLE XPRESS*
Syringe Rinse Tubing Assembly 72" tubing with attached fitting	N0811988	*PARTICLE XPRESS*
Nickel-Plated Tee Connector Kit Qty: 3	N0782080	*PARTICLE XPRESS* *ASXPRESS PLUS*
Carrier/Rinse Bottle Capacity: 1 liter Material: Polypropylene 3.2 mm (1/8 in) hole in cap	N0777569	*PARTICLE XPRESS* *ASXPRESS PLUS*
Communication Cable Kit 2 - Standard RS-232 serial cables, DB-9, F/F 2 - Standard USB A-B cables, 3 m length	N0777589	*ASXPRESS PLUS* *PARTICLE XPRESS*
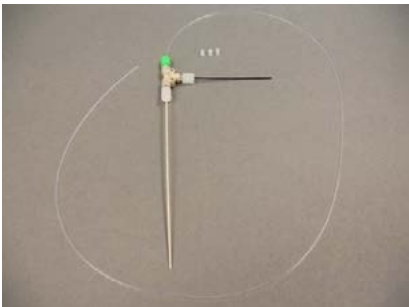
Supplies for *Particle Xpress* Precision Sample Introduction System

DESCRIPTION	PART NO	COMPATIBILITY
Valve Module	N0811991	*PARTICLE XPRESS*
Valve Mounting Bracket	N0811992	*PARTICLE XPRESS*
24-Volt Power Supply for *ASXPRESS PLUS* Does not include power cord. See Operator's Manual for precautions.	N0772111	*PARTICLE XPRESS* *ASXPRESS PLUS*

DESCRIPTION	PART NO	COMPATIBILITY

Supplies for *ASXPRESS PLUS* Rapid Sample Introduction Accessory

	DESCRIPTION	PART NO	COMPATIBILITY
	Sample Probe for *ASXPRESS PLUS* Probe Length: 10 in (25.4 cm) Overall Length: 75 in (1.9m) Probe Material: FEP-covered carbon fiber Capillary Material: PFA Includes: Probe with sample tubing and connection fittings, 2 probe clamps, 1 ferrule, 5 o-rings.		*ASXPRESS PLUS*

ID (mm)	Band	Capillary Length		
1.0	2 Blue	75" (1.9 m)	N0777568	

	DESCRIPTION	PART NO	COMPATIBILITY
	Sample Probe for *ASXPRESS PLUS* Probe Length: 12 in (30.5 cm) Overall Length: 75 in (1.9 m) Probe Material: Ultem (polyetherimide) Capillary Material: PFA Includes: Probe with sample tubing and connection fittings, 2 probe clamps and 1 ferrule **NOTE: Requires Z-drive guide plate**		*ASXPRESS PLUS*

ID (mm)	Band	Capillary Length		
1.0	2 Blue	75" (1.9 m)	N0777565	

	Large ID Sample Loops: 2.0 mm ID **For use with aqueous samples** For use with the *ASXPRESS PLUS* valve/pump module. Tubing material: FEP Includes 2 connectors and 2 ferrules	*ASXPRESS PLUS*
	Sample Loop Assy.—0.70 mL	N0777571
	Sample Loop Assy.—1.00 mL	N0777081
	Sample Loop Assy.—1.25 mL	N0777552
	Sample Loop Assy.—1.50 mL	N0777083
	Sample Loop Assy.—2.00 mL	N0777084
	Sample Loop Assy.—2.50 mL	N0777085
	Sample Loop Assy.—3.00 mL	N0777086
	Sample Loop Assy.—3.50 mL	N0777087
	Sample Loop Assy.—4.00 mL	N0777088
	Sample Loop Assy.—4.50 mL	N0777089
	Sample Loop Assy.—5.00 mL	N0777090
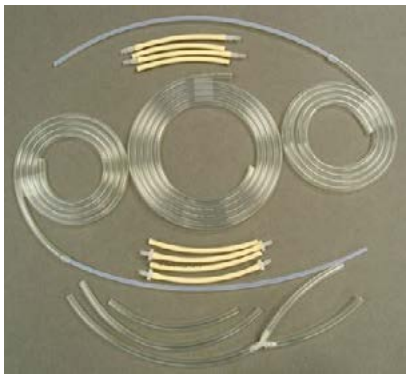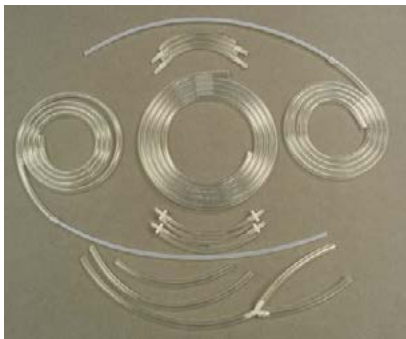
Supplies for *ASXPRESS PLUS* Rapid Sample Introduction Accessory

	DESCRIPTION	PART NO	COMPATIBILITY
	Small ID Sample Loops – 1.0 mm ID **For use with oil samples** For use with the *ASXPRESS PLUS* valve/pump module. Tubing material: PFA Includes 2 flangeless connectors		*ASXPRESS PLUS* *PARTICLE XPRESS*
	Sample Loop – SL 0.91 mL	N0777593	
	Sample Loop – SL 1.02 mL	N0777594	
	Sample Loop – SL 1.14 mL	N0777595	
	Sample Loop – SL 1.25 mL	N0777596	
	Sample Loop – SL 1.36 mL	N0777597	
	Sample Loop – SL 1.48 mL	N0777598	
	Sample Loop – SL 2.0 mL	N0777850	
	Sample Loop – SL 2.5 mL	N0777851	
	Sample Loop – SL 3.0 mL	N0777852	
	Internal Standard Addition Mixing Tee Includes: 4 each – connectors – CTFE 6 each – 1.6 mm (1/16 in) CTFE ferrules 1 each – mixing tee – CTFE 61 cm (2 ft) PFA tubing, 0.5 mm ID 61 cm (2 ft) PFA tubing, 0.3 mm ID 61 cm (2 ft) PFA tubing, 1.0 mm ID	N0777853	*ASXPRESS PLUS*
	Passive Bubbling Tee Tubing material: PFA and PEEK Fitting material: CTFE and PEEK	N0777854	*ASXPRESS PLUS*
	Fitting Kit - *ASXPRESS Plus* 2 ea. green flangeless connectors, CTFE 2 ea. blue flangeless connectors, CTFE 2 ea. white flangeless connectors, CTFE 2 ea. natural flangeless connectors, CTFE 10 ea. CTFE ferrules for $1/16$ inch (1.58 mm) tubing 1 ea. 6.4 mm to 3.2 mm (¼-28 UNF to $1/8$") barbed fitting - ETFE	N0777579	*ASXPRESS PLUS* *PARTICLE XPRESS*
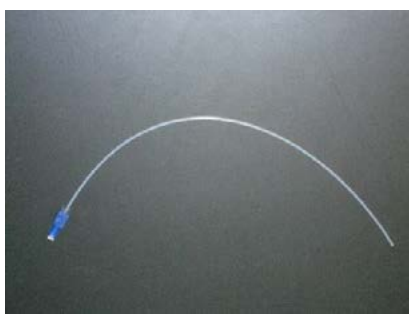
Supplies for *ASXPRESS PLUS* Rapid Sample Introduction Accessory

DESCRIPTION	PART NO	COMPATIBILITY
Ferrule Kit 10 each CTFE ferrules for $^1/_{16}$ inch (1.58 mm) tubing	N0777855	*ASXPRESS PLUS* *PARTICLE XPRESS*
6-Port Valve for Aqueous Applications PPS (polyphenylene sulphide) construction 0.060 inch (1.52 mm) diameter ports Includes label for ports	N0777575	*ASXPRESS PLUS*
6-Port Valve for Oils Applications PPS (polyphenylene sulphide) construction 0.030 inch (0.76 mm) diameter ports Includes label for ports	N0777578	*ASXPRESS PLUS* *PARTICLE XPRESS*
7-Port Valve with Uptake Line for Aqueous Applications PPS (polyphenylene sulphide) construction 0.060 inch (1.52 mm) diameter ports Includes label for ports	N0811328	*ASXPRESS PLUS*

Supplies for *ASXPRESS PLUS* Rapid Sample Introduction Accessory

	DESCRIPTION	PART NO	COMPATIBILITY
	Valve Coupler For repair of the *ASXPRESS Plus* Valve/Pump Module.	N0777570	*ASXPRESS PLUS* *PARTICLE XPRESS*
	Valve Clamp Ring For repair of the *ASXPRESS Plus* Valve/Pump Module.	N0777856	*ASXPRESS PLUS* *PARTICLE XPRESS*
	Rinse Tubing Kit (Aqueous Applications) 6 ft (1.82 m) $^1/_8$ in ID x ¼ in OD Tygon® tubing 1 – Y connector assy w/ attached Tygon® tubing 1 – 8 in (20 cm) length $^1/_8$ in ID x ¼ in OD Tygon® tubing 1 – 5 in (12.7 cm) length $^1/_8$ in ID x ¼ in OD Tygon® tubing 2 – uptake lines w/ 48 in (1.2 m) $^1/_8$ in ID x ¼ in OD Tygon® w/ 12 in (30 cm) $^3/_{32}$ in ID x $^5/_{32}$ in OD FEP tubing 2 – 4.24 in lengths of 1.6 mm ID PharMed tubing 2 – 4.25 in lengths of 1.6 mm ID PharMed tubing w/ attached connectors 2 – 3.75 in lengths of 1.6 mm ID PharMed tubing 2 – 3.75 in lengths of 1.6 mm ID Pharmed tubing w/ attached connectors	N0777566	*ASXPRESS PLUS*
	Rinse Tubing Kit, Ultra-Clean (Aqueous Applications) 6 ft (1.82 m) $^1/_8$ in ID x ¼ in OD Tygon® tubing 1 – Y connector assy w/ attached Tygon® tubing 1 – 8 in (20 cm) length $^1/_8$ in ID x ¼ in OD Tygon® tubing 1 – 5 in (12.7 cm) length $^1/_8$ in ID x ¼ in OD Tygon® tubing 2 – uptake lines w/ 48 in (1.2 m) $^1/_8$ in ID x ¼ in OD Tygon® w/ 12 in (30 cm) $^3/_{32}$ in ID x $^5/_{32}$ in OD FEP tubing 2 – 4.24 in lengths of 1.6 mm ID Tygon® tubing 2 – 4.25 in lengths of 1.6 mm ID Tygon® tubing w/ attached connectors 2 – 3.75 in lengths of 1.6 mm ID Tygon® tubing 2 – 3.75 in lengths of 1.6 mm ID Tygon® tubing w/ attached connectors	N0777567	*ASXPRESS PLUS*
	Vacuum Pump Flow Restrictor Line		*ASXPRESS PLUS*
	Aqueous Applications, Tygon® tubing	N0777573	
	Oils Applications, Tygon® Fuel and Lubricant tubing	N0777592	

Supplies for *ASXpress Plus* Rapid Sample Introduction Accessory

	Description	Part No	Compatibility
	Carrier Solution Tee Assembly Tubing material: PFA Tubing length: 91.5 cm (36 in) Tubing dimensions: 0.8 mm ID x 1.6 mm OD (1/32 in x 1/16 in) Includes barbed tee fitting and 1.6 mm (1/16 in) flangeless connector		
	Aqueous Applications (w/ PVC tubing)	N0777574	*ASXpress Plus*
	Oils Applications (w/ Viton tubing)	N0777858	*ASXpress Plus* *Particle Xpress*
	Nebulizer Line Assembly Tubing material: PFA Tubing length: 35.5 cm (14 in) Tubing dimensions: 0.8 mm ID x 1.6 mm OD (1/32 in x 1/16 in) Includes 1.6 mm (1/16 in) flangeless connector (blue)	N0777859	*ASXpress Plus* *Particle Xpress*
	Spare Tubing Kit Tubing material: PFA Tubing length: 3.05 m (10 ft) Tubing diameter: 1.0mm ID	N0777860	*ASXpress Plus* *Particle Xpress*

Spare Tubing

Tubing length: 3.05 m (10 ft)

	ID	Material	Part No	Compatibility
	3.2mm (1/8 in)	Tygon®	N0777861	*ASXpress Plus*
	4.8 mm (3/16 in)	Tygon®	N0777862	*ASXpress Plus*
	3.2 mm (1/8 in)	Tygon® FL for oils	N0777863	*ASXpress Plus* *Particle Xpress*
	4.8 mm (3/16 in)	Tygon® FL for oils	N0777864	*ASXpress Plus* *Particle Xpress*

Supplies for *ASXPRESS PLUS* Rapid Sample Introduction Accessory

DESCRIPTION	PART NO	COMPATIBILITY
Valve Pump Tubing Kits		
Aqueous Kit (w/ PVC tubing)	N0777865	*ASXPRESS PLUS*
Oils Kit (w/ Viton tubing)	N0777866	*ASXPRESS PLUS*
Y Connector Kit 3.2 mm (1/8 in) barbed connectors Material: PVDF (KYNAR®) Qty: 4	N0777558	*ASXPRESS PLUS*
Tee Connector Kit 1.6 mm (1/16 in) barbed connectors Qty: 4	N0777867	*ASXPRESS PLUS*
Nickel-Plated Tee Connector Kit Qty: 3 **(Used in the Oils industry)**	N0782080	*ASXPRESS PLUS* *PARTICLE XPRESS*
Filter Assembly 75 µm (75 micron) filter used with the ASX-1400 diaphragm pump supplied with Tygon® Fuel & Lube tubing and 3.2 mm (1/8 in) barbed PVDF (KYNAR®) fittings, 2 each	N0777559	*ASXPRESS PLUS*

Supplies for *ASXPRESS PLUS* Rapid Sample Introduction Accessory

DESCRIPTION	PART NO	COMPATIBILITY
Check Valve Kit Polypropylene body and Viton diaphragm 3.2 mm (1/8 in) barbed ends 3 each	N0777560	*ASXPRESS PLUS*
Vacuum Pump 24 V Use only for replacement of the vacuum pump in the *ASXPRESS Plus* Valve/Pump Module. To be installed only by qualified service personnel.	N0777564	*ASXPRESS PLUS*
Carrier/Rinse Bottle Wide mouth 1-liter bottle Material: Nalgene 1/8 in (0.32 cm) hole in cap	N0777569	*ASXPRESS PLUS* *PARTICLE XPRESS*
ASXPRESS Plus Communication Cables 2 - Standard RS-232 serial cables, DB-9, F/F 2 - Standard USB A-B cables, 3 m length **NOTE: Serial communications preferred with *ASXPRESS PLUS***	N0777589	*ASXPRESS PLUS* *PARTICLE XPRESS*
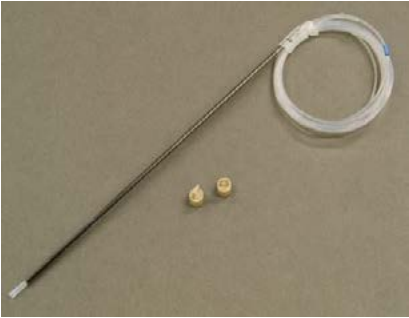
Supplies for *ASXPRESS PLUS* Rapid Sample Introduction Accessory

DESCRIPTION	PART NO	COMPATIBILITY
Xpress Rinse Station for ASX-500/510 Autosamplers Material: polypropylene Snaps into the rinse station holder on the autosampler.	N0777686	*ASXPRESS PLUS* ASX-260 ASX-280 ASX-520 ASX-520HS ASX-560 EXR-8 XLR-8
Xpress Rinse Station: Used with: - CETAC 90 / 96-pos rack - Belart 90-pos rack - CETAC 80-pos CETAC rack - Bel-Art 60-pos racks - OE4 96-pos (Janus) rack **Includes screws and mounting plate**	N0782068	ASX-1400
Xpress Rinse Station: Used with: - CETAC 90 / 96-pos rack - Belart 90-pos rack **Includes screws and mounting plate**	N0782070	ASX-1600
External Diaphragm Pump (Oils Applications) 1-Channel diaphragm pump. Replaces 2-channel diaphragm pump External, tabletop diaphragm rinse pump for use only with the *ASXPRESS Plus*. Plugs into a connector on the *ASXPRESS Plus* electronics module. **NOTE: This pump for use with oils only!**	N0777590	*ASXPRESS PLUS*
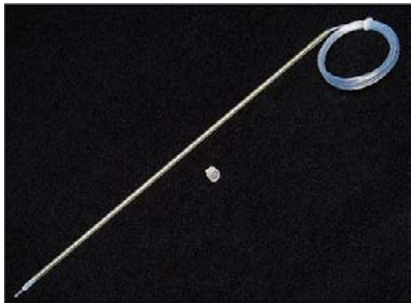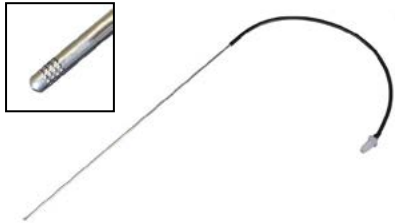
Supplies for *ASXPRESS PLUS* Rapid Sample Introduction Accessory

	DESCRIPTION	PART NO	COMPATIBILITY
	Peristaltic Pump Does not include pump tubing. External, tabletop pump for use only with the *ASXPRESS Plus* (plugs into a connector on the *ASXPRESS Plus* electronics module).		*ASXPRESS PLUS*
	2-Channel Pump	N0777591	
	3-Channel Pump	N0777868	
	Used in Aqueous and Oils applications		
	24-Volt Power Supply for *ASXPRESS PLUS* Does not include power cord. See Operator's Manual for precautions.	N0772111	*ASXPRESS PLUS* *PARTICLE XPRESS*

Supplies for ASX-200/500/800 Series Autosamplers

	DESCRIPTION	PART NO	COMPATIBILITY
	Z-Axis Drive Assembly Includes crash block with mounting kit and adhesive	N0782071	ASX-280 ASX-560 XLR-860
	Z-Axis Drive Assembly PEEK Anti-Kink For use with Carbon Fiber and Ultem Probes (PEEK Drive Cable - Green) *Guide plate Included for use with probes other than Carbon Fiber versions, typically Ultem (See Sample Probes section of this catalog)	N0777120	ASX-260 ASX-520 ASX-520HS EXR-8 XLR-8
	Rotor Assembly	N0777878	ASX-260 ASX-520 ASX-520HS EXR-8 XLR-8
	Carbon Fiber Sample Probes (Standard) Probe, 0.5mm ID x 108" (blue band)	N0777547	ASX-260 ASX-280 ASX-520 ASX-520HS ASX-560 EXR-8 XLR-8 XLR-860

Supplies for ASX-200/500/800 Autosamplers

Description	Part No	Compatibility
Ultem® Sample Probes (Optional) Probe, 0.5mm ID x 108" (blue band)	N0774088	ASX-260
		ASX-280
		ASX-520
		ASX-520HS
		ASX-560
		EXR-8
		XLR-8
		XLR-860

A NOTE ABOUT PROBE TYPES

Most CETAC autosamplers built since January 2009 are equipped with carbon fiber probes and associated Z-drives. (Septum-piercing autosamplers are an exception.)

The carbon fiber reinforced probes are designed to be mounted to a Z-drive with two probe clamps and without a guide plate. The carbon fiber probes can also be used with the prior version Z-drives, but the guide plate must be used.

The Ultem® probes (made with Ultem® brand polyetherimide resin) are more flexible than the carbon fiber reinforced probes, and therefore do require the use of a Z-drive-mounted guide plate. The carbon fiber style Z-drives all include a guide plate (not installed) to allow use of Ultem® probes if so desired.

All wetted surfaces (liquid contact) of both the carbon fiber and Ultem® probes are inert and identical (PTFE). Color bands indicate inside diameters and are the same for both probe types.

Description	Part No	Compatibility
Stainless Steel Sample probe with filter tip (Used in Oil analysis) Teledyne CETAC's stainless steel filtered sample probes have been redesigned for better performance and ease of use. The new design features larger filter holes to prevent clogging and a rounded tip. The new probe is a direct replacement to older style probes and is included with all Oils 7400 and Oils 7600 systems, the Oils 280, and the Oils completion kit for the *ASXPRESS PLUS*.	N0771529	ASX-260
		ASX-280
		ASX-520
		ASX-520HS
		ASX-560
		EXR-8
		XLR-8
		XLR-860
Z-Axis Drive Tubing Replacement Kit (PEEK)	N0777121	ASX-260
		ASX-520
		ASX-520HS
		EXR-8
		XLR-8

Supplies for ASX-200/500/800 Autosamplers

	DESCRIPTION	PART NO	COMPATIBILITY
	Z-Axis Drive Tubing Replacement Kit (PEEK Anti-Kink)	N0777684	ASX-260
			ASX-280
			ASX-520
			ASX-520HS
			ASX-560
			EXR-8
			XLR-8
			XLR-860
	Pump Motor Kit 2-Channel	N0772172	ASX-260
			ASX-520
			ASX-520HS
			EXR-8
			XLR-8
	Pump Motor Kit 2-Channel 2,2 PharMed® equivalent Tubing included	N0780827	ASX-280
			ASX-560
			XLR-860
	24-Volt Power Supply Does not include power cord. See Operator's Manual for precautions.	N0772111	ASX-260
			ASX-280
			ASX-520
			ASX-560
			XLR-8
			XLR-860
	28-Volt Power Supply (Standard ASX-520HS) Does not include power cord. See Operator's Manual for precautions.	N0772173	ASX-520HS

Supplies for ASX-200/500/800 Autosamplers

	DESCRIPTION	PART NO	COMPATIBILITY
	RS-232 interface cable (3 Meters) Female/Female CETAC observes that serial communications to be more stable than USB.	N0777130	ASX-260 ASX-280 ASX-520 ASX-520HS ASX-560 EXR-8 XLR-8 XLR-860
	Rinse Station	N0777686	ASX-260 ASX-280 ASX-520 ASX-520HS ASX-560 EXR-8 XLR-8
	Molded Rinse Station	N0782042	XLR-860
	Dual Rinse Upgrade Kit (Includes Tygon® tubing kit for gravity drain and pumped drain configurations)	N0782076	ASX-280 ASX-560
	Z-Drive Attachment Kit	N0777123	ASX-260 ASX-520 ASX-520HS EXR-8 XLR-8

Supplies for ASX-200/500/800 Autosamplers

DESCRIPTION	PART NO	COMPATIBILITY
Thumbscrew and O-ring Kit Includes: • 2 PVDF (KYNAR®)thumbscrews • 2 sample probe clamps • 2 O-rings	N0774094	ASX-260 ASX-280 ASX-520 ASX-520HS ASX-560 EXR-8 XLR-8 XLR-860
Y-Axis Slider Block (Home Block) Hardware Kit Includes: • 2 PVDF (KYNAR®) thumbscrews • 2 bushings • 2 sample probe clamps • 5 O-rings • 3 Y-axis home position flags	N0774089	ASX-260 ASX-520 ASX-520HS EXR-8 XLR-8
Rinse/Drain Tubing Hookup Kit (Tygon) Used in Aqueous applications	N0774087	ASX-260 ASX-520 ASX-520HS EXR-8 XLR-8
Rinse/Drain Tubing Hookup Kit (Fuel and lubricant tubing) Used in the oil industry	N0774082	ASX-260 ASX-520 ASX-520HS EXR-8 XLR-8

Rinse/Drain Tubing Hookup Kit

Includes:
- 1/8" X 3/16" PVDF (KYNAR®) couplers (qty. 2)
- 72 in (1.8 m) of 3/16" (4.8 mm) ID tubing
- 72 in (2.1 m) of 1/8" (3.2 mm) ID tubing

Material	Typical Use		
Tygon®	Aqueous	N0782043	ASX-280/560
Tygon®	Fuel and Lubricant	N0782044	ASX-280/560
Superthane®	Oils	N0782045	ASX-280/560
Tygon® FEP lined	Aqueous	N0782083	ASX-280/560
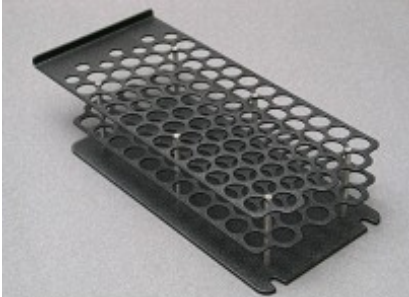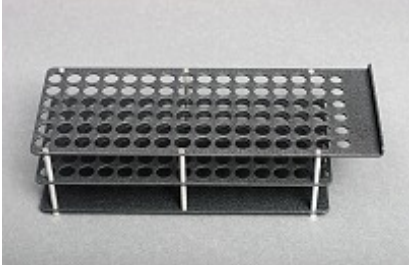
Supplies for ASX-200/500/800 Autosamplers

	DESCRIPTION		PART NO	COMPATIBILITY
	Rinse/Drain Tubing Hookup Kit Includes: • 1/8" X 3/16" PVDF (KYNAR®) couplers (qty. 2) • 22.5 in (0.6 m) of 3/16" (4.8 mm) ID tubing • 256 in (6.5 m) of 1/8" (3.2 mm) ID tubing			
	Material	**Typical Use**		
	Tygon®	Aqueous	N0782077	XLR-860
	Tygon®	Fuel and Lubricant	N0782078	XLR-860
	Drain Pump Tubing and Connector Kit (PharMed) Contains tubing and connectors for the two style peristaltic pumps that served the ASX-520. Enough tubing to replace twice. **(Aqueous applications)**		N0774083	ASX-260 ASX-520 ASX-520HS EXR-8 XLR-8
	Drain Pump Tubing and Connector Kit (Tygon) Contains tubing and connectors for the two style peristaltic pumps that served the ASX-520. Enough tubing to replace twice. **(Aqueous applications)**		N0777173	ASX-260 ASX-520 ASX-520HS EXR-8 XLR-8
	Drain Pump Tubing and Connector Kit Contains tubing and connectors for the two style peristaltic pumps that served the ASX-520. Enough tubing to replace twice. **(Tygon--Fuel and Lubricant—Used in Oil Industry)**		N0774084	ASX-260 ASX-520 ASX-520HS EXR-8 XLR-8
	Drain Pump Tubing and Connector Kit **(Viton® equivalent—Used in Oil Industry)**		N0777455	ASX-260 ASX-520 ASX-520HS EXR-8 XLR-8

Supplies for ASX-200/500/800 Autosamplers

DESCRIPTION	PART NO	COMPATIBILITY

2-Channel Peristaltic Pump Tubing Cartridge

Pre-assembled, easy to install.

The interior diameter (ID) of the tubing affects flow rate. A 2 mm tube on the rinse supply channel may be used with a 3 mm tube on the drain channel to ensure that the rinse station never overflows.

Tubing material is equivalent to the listed brand name, but may be produced by other manufacturers.

Tubing Color	Endplate Color		
Equivalent to PharMed® material. Applications: Pharmaceutical, Biological, Food and Beverage			
Tan	Black	N0782046	ASX-280/560
Tan	Red	N0782047	XLR-860
Equivalent to Viton® material. Applications: Acids, Solvents, High Temperature			
Black	Black	N0782055	ASX-280/560
Black	Red	N0782056	XLR-860

Vials

Material for all vials is polypropylene

	Vol	Size (mm)	qty	
	7mL	13mm x 82mm (Flat bottom w/ cap)	1000	N0777156
			250	N0777159
	8mL	13mm x 100mm	1000	N0777165
			250	N0777166
	14mL	16mm x 100mm	1000	N0777157
			250	N0777160
	15mL	17mm x 100mm	1000	N0777167
			250	N0777168
	20mL	21.5mm x 100mm	500	N0777161
			100	N0777163
	30mL	25mm x 95mm	500	N0777162
	50mL	30mm x 115mm	500	N0777158
			100	N0777164

Supplies for ASX-200/500/800 Autosamplers

	DESCRIPTION	PART NO	COMPATIBILITY
	Sample Racks		
	90 Position, 13.3 mm Round opening, use with 8mL round bottom or 7mL flat bottom vial	N0777153	
	90 Position, 13.5 mm Square opening, use with 8mL round bottom or 7mL flat bottom vial	N0777148	
	60 Position, 17.0 mm Square opening, use with 14mL or 15mL vial	N0777149	
	40 Position, 20.6 mm Square opening, use with 20mL vial	N0777150	
	24 Position, 25.2 mm Square opening, use with 30mL vial	N0777151	
	21 Position, 30.5 mm Square opening, use with 50mL vial	N0777152	
	80 position/15mL Sample Rack **(Used in Oil industry)**	N0774085	ASX-260 ASX-280 ASX-520 ASX-520HS
	90 position/8mL Sample Rack **(Used in Oil industry)**	N0777154	ASX-260 ASX-280 ASX-520
	96 Position/13mm Sample Rack **(Used in Oil industry)**	N0777368	ASX-520HS ASX-560 EXR-8 XLR-8 XLR-860

Supplies for Enclosures

	DESCRIPTION	PART NO	COMPATIBILITY
	HEPA Filter for DC Enclosures		ENC-280 DC
	(Requires adapter plate)		ENC-560 DC
			ENC-860 DC
	Filter with adapter plate	N0810920	
	Filter replacement only	N0811977	
	HEPA Filter for ENC-560	N0782084	ENC-560
	HEPA Filter for ENC-500	N0777554	ENC-500
	ENC-560 Tubing Connection Kit	N0782085	ENC-560
	(Contents may vary slightly from what is shown)		

Supplies for ASX-1400 and ASX-1600 Autosamplers

	DESCRIPTION	PART NO	COMPATIBILITY
	Spring Kit – Drip Cup Assembly 0.240" x 0.88" 2/kit **For SN < 100806A1400**	N0772168	ASX-1400 ASX-1600
	Spring Kit – Drip Cup Assembly 0.180" x 1.50" 2/kit **For SN ≥ 100806A1400**	N0772179	ASX-1400 ASX-1600
	Drip Cup	N0772118	ASX-1400 ASX-1600
	Stirrer-6.5 inches long	N0777147	ASX-1400 ASX-1600
	Stainless Steel Sample probe with filter tip (Used in Oil analysis) Teledyne CETAC's stainless steel filtered sample probes have been redesigned for better performance and ease of use. The new design features larger filter holes to prevent clogging and a rounded tip. The new probe is a direct replacement to older style probes and is included with all Oils 7400 and Oils 7600 systems, the Oils 280, and the Oils completion kit for the *ASXPRESS PLUS*.	N0771529	ASX-1400 ASX-1600

Supplies for ASX-1400 and ASX-1600 Autosamplers

	DESCRIPTION	PART NO	COMPATIBILITY
	Pump Motor Kit 2-Channel	N0772172	ASX-1400 ASX-1600
	Pump Motor Kit 3-Channel Note: 3-Channel pump does not require the 2-Channel Auxiliary pump	N0777688	ASX-1400 ASX-1600
	Pump motor (Auxiliary) 2-Channel **Note: Not needed with 3-Channel Main pump**	N0772120	ASX-1400 ASX-1600
	Stirrer Motor assembly	N0772119	ASX-1400 ASX-1600
	Retaining rings for stirrer motor	N0772169	ASX-1400 ASX-1600

Supplies for ASX-1400 and ASX-1600 Autosamplers

DESCRIPTION	PART NO	COMPATIBILITY
28-Volt Power Supply (Power cord not included)	N0772173	ASX-1400 ASX-1600
RS-232 interface cable (3 Meters) Female/Female CETAC observes that serial communications to be more stable than USB.	N0777130	ASX-1400 ASX-1600
Z-Drive 15 pin cable	N0772123	ASX-1400 ASX-1600
Rinse Station used with: • CETAC 90 / 96-pos rack • Belart 90-pos rack • CETAC 80-pos CETAC rack • Bel-Art 60-pos racks • OE4 96-pos (Janus) rack **Includes screws and mounting plate**	N0782068	ASX-1400

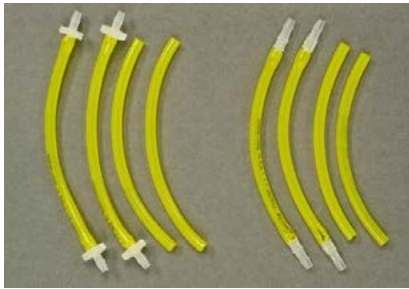# Supplies for ASX-1400 and ASX-1600 Autosamplers

DESCRIPTION	PART NO	COMPATIBILITY
Rinse Station: Used with: • CETAC 90 / 96-pos rack • Belart 90-pos rack **Includes screws and mounting plate**	N0782070	ASX-1600
Used with : • CETAC 80-pos CETAC rack • Bel-Art 60-pos racks • OE4 96-pos (Janus) rack **Includes screws and mounting plate**	N0782069	ASX-1600
Drain Pump Tubing and Connector Kit Contains tubing and connectors for the two style peristaltic pumps that served the ASX-520. Enough tubing to replace twice. **(Tygon--Fuel and Lubricant—Used in Oil Industry)**	N0774084	ASX-1400 ASX-1600
Drain Pump Tubing and Connector Kit **(Viton® equivalent—Used in Oil Industry)**	N0777455	ASX-1400 ASX-1600
60 Position/15mL Sample Rack (Used in Oil industry)	N0811959	ASX-1400 ASX-1600
80 Position/15mL Sample Rack (Used in Oil industry)	N0774085	ASX-1400 ASX-1600

Supplies for ASX-1400 and ASX-1600 Autosamplers
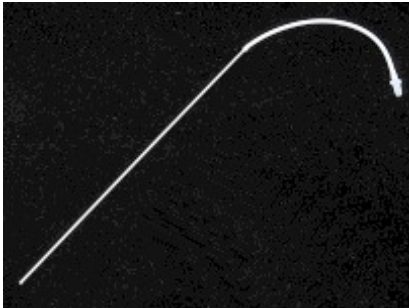
	DESCRIPTION	PART NO	COMPATIBILITY
	90 Position/13mm Sample Rack	N0777154	ASX-1400
	96 Position/13mm Sample Rack	N0777368	ASX-1600
	(Used in Oil industry)		
	Gilson number 29 rack	N0777155	ASX-1400
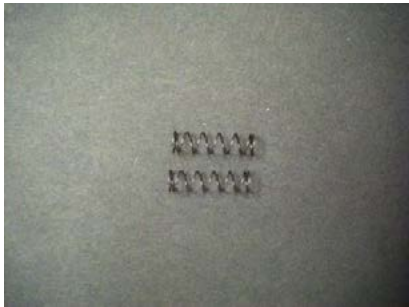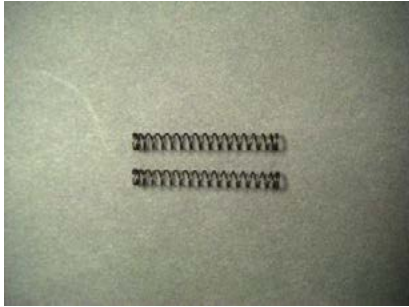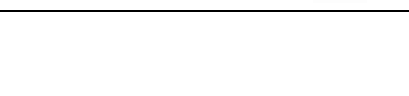
	Sample Racks		
	90 Position, 13.3 mm Round opening, use with 8mL round bottom or 7mL flat bottom vial	N0777153	
	90 Position, 13.5 mm Square opening, use with 8mL round bottom or 7mL flat bottom vial	N0777148	
	60 Position, 17.0 mm Square opening, use with 14mL or 15mL vial	N0777149	
	40 Position, 20.6 mm Square opening, use with 20mL vial	N0777150	
	24 Position, 25.2 mm Square opening, use with 30mL vial	N0777151	
	21 Position, 30.5 mm Square opening, use with 50mL vial	N0777152	

Vials
Material for all vials is polypropylene

	Vol	Size (mm)	qty	
	7mL	13mm x 82mm (Flat bottom w/ cap)	1000	N0777156
			250	N0777159
	8mL	13mm x 100mm	1000	N0777165
			250	N0777166
	14mL	16mm x 100mm	1000	N0777157
			250	N0777160
	15mL	17mm x 100mm	1000	N0777167
			250	N0777168
	20mL	21.5mm x 100mm	500	N0777161
			100	N0777163
	30mL	25mm x 95mm	500	N0777162
	50mL	30mm x 115mm	500	N0777158
			100	N0777164

Supplies for APS-1650 Automated Prep Station

	DESCRIPTION	PART NO	COMPATIBILITY
	Drip Cup	N0772142	APS-1650
	Stirrer Motor assembly	N0772119	APS-1650
	Retaining Ring for the Stirrer Motor	N0772169	APS-1650
	Stirrer-5.5 inches long	N0772145	APS-1650
	Stainless Steel Sample Probe (Beveled Tip)	N0772146	APS-1650

Supplies for APS-1650 Automated Prep Station

	DESCRIPTION	PART NO	COMPATIBILITY
	Spring Kit – Drip Cup Assembly 0.240" x 0.88" 2/kit **For SN < 120801A1650**	N0772168	APS-1650
	Spring Kit – Drip Cup Assembly 0.180" x 1.50" 2/kit **For SN ≥ 120801A1650**	N0772179	APS-1650
	Pump Motor Kit 3-Channel	N0777688	APS-1650
	28-Volt Power Supply **(5 pin connector)** • For Diluter **(Power cord not included)**	N0772173	APS-1650
	24-Volt Power Supply **(6 pin connector)** • For Syringe Module **(Power cord not included)**	N0772111	APS-1650
	RS-232 interface cable (3 Meters) Female/Female CETAC observes that serial communications to be more stable than USB.	N0777130	APS-1650

Supplies for APS-1650 Automated Prep Station

DESCRIPTION	PART NO	COMPATIBILITY
Z-Drive 15 pin cable	N0772123	APS-1650
Rinse Station	N0777802	APS-1650
Inline Liquid Filter	N0772155	APS-1650
Pump Module Air Filter	N0772156	APS-1650

Supplies for APS-1650 Automated Prep Station

DESCRIPTION	PART NO	COMPATIBILITY
Rinse Pump Module Card	N0772157	APS-1650
Tubing kit	N0782079	APS-1650
Cavro® Syringe – 10mL	N0772113	APS-1650

Supplies for APS-1650 Automated Prep Station

DESCRIPTION	PART NO	COMPATIBILITY
3-Way Valve Assembly For the XLP-3000 Syringe	N0782067	APS-1650
Check Valve Inlet Material: PCTFE (Kel-F®) Qty: 2	N0782063	APS-1650
Check Valve Outlet Material: Viton® equivalent Qty: 1	N0782066	APS-1650
4 Way PEEK Fitting	N0772166	APS-1650
Tubing Kit, Polyurethane (130 inches)	N0777787	APS-1650
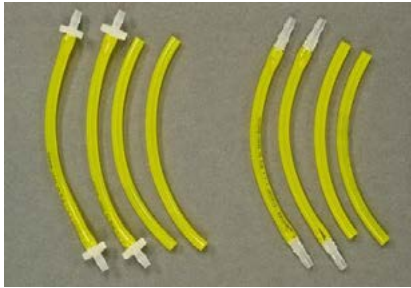
Supplies for APS-1650 Automated Prep Station

DESCRIPTION	PART NO	COMPATIBILITY
Thumb Screw Kit Qty: 4	N0772167	APS-1650
PEEK Tubing Kit, 54 inches	N0777788	APS-1650
PEEK Nut Kit Qty: 2 PEEK nuts and 2 ferrules	N0782064	APS-1650
"T" Fitting Kit with check valve	N0782065	APS-1650
60 Position/15mL Sample Rack (Used in Oil industry)	N0811959	APS-1650

Supplies for APS-1650 Automated Prep Station

	DESCRIPTION	PART NO	COMPATIBILITY
	80 Position/15mL Sample Rack (Used in Oil industry)	N0774085	APS-1650
	90 Position/13mm Sample Rack **96 Position/13mm Sample Rack** (Used in Oil industry)	N0777154 N0777368	APS-1650
	45 Position/120cc Sample Rack (Used in Oil industry)	N0777298	APS-1650
	90 Position/2mL Sample Rack (Used in Oil industry)	N0777717	APS-1650

	Vials			APS-1650
	Material for all vials is polypropylene			
	Vol	**Size (mm)**	**qty**	
	8mL	13mm x 100mm	1000	N0777165
			250	N0777166
	15mL	17mm x 100mm	1000	N0777167
			250	N0777168
	Rinse/Drain Tubing Hookup Kit Fuel and lubricant tubing Used in the oil industry.			APS-1650
	7 foot piece of 1/8" ID (2/kit)		N0777171	
	6 foot piece of 3/16" ID (2/kit)		N0777172	

Supplies for APS-1650 Automated Prep Station

	DESCRIPTION	PART NO	COMPATIBILITY
	Drain Pump Tubing and Connector Kit Contains tubing and connectors for the two style peristaltic pumps that served the APS-1650. Enough tubing to replace twice. (Fuel and lubricant) Used in the oil industry.	N0774084	APS-1650
	Drain Pump Tubing and Connector Kit Supplied with connectors and tubing to replace twice. **(Viton® equivalent—Used in Oil Industry)**	N0777455	APS-1650

Supplies for Oils 7400 & Oils 7600 Autosamplers

	DESCRIPTION	PART NO	COMPATIBILITY
	Stainless Steel Sample probe with filter tip (Used in Oil analysis) Teledyne CETAC's stainless steel filtered sample probes have been redesigned for better performance and ease of use. The new design features larger filter holes to prevent clogging and a rounded tip. The new probe is a direct replacement to older style probes and is included with all Oils 7400 and Oils 7600 systems, the Oils 280, and the Oils completion kit for the *ASXPRESS PLUS*.	N0771529	Oils 7400 Oils 7600
	Sample Probes for coolants (Not for use in Oils Applications) Length: 10 inches (25.4 cm) Probe Material: FEP-covered carbon fiber Capillary Material: PFA Includes: Probe with attached sample tubing		Oils 7400 Oils 7600
	0.5 mm ID (Blue band) 108 in capillary	N0777724	
	0.8 mm ID (Red band) 108 in capillary	N0811953	
	1.0 mm ID (2 Blue bands) 108 in capillary	N0811956	
	Stirrer-6.5 inches long		Oils 7400
	For Oils Applications	N0777549	Oils 7600
	For Aqueous Applications (Blue color band)	N0811950	
	Standard Drip Cup **Drip Cup for Gilson Racks**	N0811949	Oils 7400 Oils 7600
	Kynar Thumbscrew Kit (Includes 4 screws)	N0772167	Oils 7400 Oils 7600
	Rinse Station (Does not include probe/stirrer block)		Oils 7400 Oils 7600
	For racks with .800" Spacing (60/80 position)	N0811378	
	For racks with .622" Spacing (90/96 position)	N0811379	
	For racks with .578" Spacing (Gilson)	N0811380	

Supplies for Oils 7400 & Oils 7600 Autosamplers

DESCRIPTION	PART NO	COMPATIBILITY
Rinse/Drain Tubing Hookup Kit 7 foot piece of 1/8" ID (2 pieces per kit)		Oils 7400 Oils 7600
Chemical Resistant Tygon 2375 (Coolants)	N0811951	
Tygon Fuel and Lubricant tubing (Oils)	N0777171	
Superthane Tubing (Oils)	N0811958	
Rinse Station Barb Fittings Includes 4 barb fittings	N0811993	Oils 7400 Oils 7600
2-Channel Peristaltic Pump Tubing Cartridge Tubing material is equivalent to the listed brand name, but may be produced by other manufacturers.		Oils 7400 Oils 7600
3 mm ID, Equivalent to PharMed® (tan color) Application: Pharmaceutical, Biological, and Food and Beverage	N0811960	
3 mm ID, Equivalent to Viton® (black color) Applications: Acids, Solvents, Oils, High Temperature	N0811961	
5 Position Standards Rack (Set of 2)	N0811957	Oils 7400 Oils 7600
60 Position/15mL Sample Rack (Used in Oil industry)	N0811959	Oils 7400 Oils 7600

Supplies for Oils 7400 & Oils 7600 Autosamplers

DESCRIPTION	PART NO	COMPATIBILITY
80 Position/15mL Sample Rack (Used in Oil industry)	N0774085	Oils 7400 Oils 7600
90 Position/13mm Sample Rack	N0777154	Oils 7400
96 Position/13mm Sample Rack (Used in Oil industry)	N0777368	Oils 7600

Sample Racks		Oils 7400 Oils 7600
90 Position, 13.3 mm Round opening, use with 8mL round bottom or 7mL flat bottom vial	N0777153	
90 Position, 13.5 mm Square opening, use with 8mL round bottom or 7mL flat bottom vial	N0777148	
60 Position, 17.0 mm Square opening, use with 14mL or 15mL vial	N0777149	

Vials
Material for all vials is polypropylene — Oils 7400 / Oils 7600

Vol	Size (mm)	qty	
7mL	13mm x 82mm (Flat bottom w/ cap)	1000	N0777156
		250	N0777159
8mL	13mm x 100mm	1000	N0777165
		250	N0777166
14mL	16mm x 100mm	1000	N0777157
		250	N0777160
15mL	17mm x 100mm	1000	N0777167
		250	N0777168
50mL	30mm x 115mm	500	N0777158
		100	N0777164

Supplies for Oils 7400 & Oils 7600 Autosamplers

DESCRIPTION	PART NO	COMPATIBILITY
RS-232 interface cable (3 Meters) Female/Female CETAC observes that serial communications to be more stable than USB.	N0777130	Oils 7400 Oils 7600
24-Volt Power Supply Does not include power cord. See Operator's Manual for precautions.	N0772111	Oils 7400 Oils 7600

Supplies for Ultrasonic Nebulizers – U5000AT⁺/U6000AT⁺

	DESCRIPTION	PART NO	COMPATIBILITY
	Aerosol chamber kit	N0777869	U5000AT+ U6000AT+
	Heated J-tube assembly	N0772108	U5000AT+ U6000AT+
	12/5 glass socket adapter for ultrasonic nebulizer outlet	N8122223	U5000AT+ U6000AT+
	Sample inlet adapter assembly (Includes PCTFE adapter and PEEK tubing)	N0772103	U5000AT+ U6000AT+
	Spare transducer assembly	N8122161	U5000AT+ U6000AT+
	U5000AT⁺ Ultrasonic Nebulizer Interface Kit: PerkinElmer Optima 2000/4000/ 5000/7000/8000 Series ICP-OES and Avio 200/500 ICP-OES	N0782082	U5000AT+ U6000AT+

NOTES