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MVX-7100 µL Workstation

ACCESSORIES AND CONSUMABLES CATALOG

Catalog Part Number 620129 Revision 9, October, 2020

Contents

Accessories and Consumable Parts

1. Sample Flow Path Components

	Standard Quartz Sample Probe 0.018" ID, 0.028" OD Length: 3 Inches For trace element analysis with ICP-MS	**SP7536**
	Capillary Quartz Sample Probe 0.010" ID, 0.028" OD Length: 3 Inches For trace element analysis with ICP-MS (primarily for use with 384 well plates)	**SP7508**
	Stainless Steel Needle Assembly For analysis with chromatography instruments. **Not** suitable for trace element analysis with ICP-MS.	**SP6955**
	Sample Loop for VSM 6 Port Switching Valve Capacity: 500 µL	**SP7533**
	Syringe Buffer Line (VSM Switching Valve to PSD4 Syringe) Capacity: 1.25 mL The buffer line ensures that sample does not come into contact with the PSD4 syringe.	**SP7534**
	Single Cell Glassware Interface Contains the following components: - Nebulizer - Spray Chamber - Gas Connector Assembly - Nebulizer Adapter Assembly - Spray Chamber Mount - Sample Uptake and Spray Chamber Drain Tubing - Nebulizer Gas Flow Tubing	**32-0629-044**

	Sample Introduction Tubing/Fittings/Ferrule Kit	**32-0513-044**
	Kit Includes: Sample Uptake Line (0.8 mm ID, 30 In Long) Carrier Solution Line (0.8 mm ID, 47.5 In Long) Carrier/Rinse Uptake Line (x 2) Fitting/Ferrule for Carrier Solution Line Fittings/Ferrules for Carrier/Rinse Uptake Line Fittings/Ferrules for VSM 6 Port Valve (x 4)	
	3 Way Syringe Switching Valve, CTFE/PEEK	**32-0494-050**
	Compatible with both PFA/PEEK and Borosilicate/PEEK type syringes. For trace element analysis with ICP-MS. Suitable for analysis with hydrofluoric acid applications.	
	Half-Height Syringe (PSD4), PFA/PEEK	**32-0495-031**
	Capacity: 1.25 mL For trace element analysis with ICP-MS. Suitable for analysis with hydrofluoric acid applications.	
	Full-Height Syringe (PSD6), PFA/PEEK	
	Capacity: 500 µL Capacity: 2.5 mL For trace element analysis with ICP-MS. Suitable for analysis with hydrofluoric acid applications.	**32-0521-031** **32-0496-031**
	Half Height Syringe (PSD4), Borosilicate/PEEK	**32-0543-031**
	Capacity: 1.25 mL For trace element analysis with ICP-MS and analysis with chromatography instruments. Suitable for organic solvent matrix applications. **Not** suitable for hydrofluoric acid applications.	
	Full Height Syringe (PSD6), Borosilicate/PEEK	
	Capacity: 500 µL Capacity: 2.5 mL For trace element analysis with ICP-MS and analysis with chromatography instruments. Suitable for organic solvent matrix applications. **Not** suitable for hydrofluoric acid applications.	**32-0545-031** **32-0544-031**

2. Power and Communication Components

	4-Channel Power Supply (300 W) The 4-Channel, 300 W, Power Supply is the standard power/communications supply for the MVX-7100 and has **one** unused channel that may be used to add **one** extra module such as a Peltier rack module for temperature control or an additional syringe pump module for online incorporation of an internal standard or for online sample dilution.	**PRP-99-0001**
	8-Channel Power Supply (600 W) The 8-Channel, 600 W, Power Supply is an alternative power/communications supply for the MVX-7100 and has **five** unused channels that may be used to add up to **five** extra modules such as a Peltier rack module for temperature control or an additional syringe pump module for online incorporation of an internal standard or for online sample dilution (in any combination).	**PRP-99-0002**
	24-Volt Power Supply	**SP6103**

Power Cords

	Type B (NEMA 5-15, IEC 60906-2, 100-127 V) Compatible in USA, Canada, Japan, Mexico	**SP5003**
	Type F (CEE 7/7, 220-240 V) Compatible in Europe and Russia	**SP5004**
	Type G (BS 1363, 220-240 V) Compatible in UK and ROI	**SP5005**
	Type I (AS/NZS 3112, 220-240 V) Compatible in Australia, China, New Zealand, Argentina	**SP6772**

	RS232 Cables Female/Female connections Length: 0.9 m (3 ft) Length: 3 m (9.8 ft) For connection between the MVX-7100 automation and the 4 or 8 channel (300 W or 600 W) power supply.	**SP6980** **SP7441**
	USB Cable A/B Type Cable Length: 3 m For connection between the MVX-7100 automation and the operating PC.	**SP6375**
	DIN Communication Cables (x 2) For power and communication connection between 4 or 8 channel (300 W or 600 W) power supply and the MVX-7100 automation, syringe pump modules, the valve syringe module and Peltier rack module. One cable is required for connection between the power supply and each module and the automation.	**SP6641**

3. Sample Containment Options

	Sample Vials with Pierceable Septa	
	Capacity: 2 mL (200/kit) Sample Vials	**SP7503**
	Capacity: 20 mL (6/kit) Extra Reagent Vials	**SP7502**
	VT-54 Sample Vial Rack 54 Position Rack for 2 mL Sample Vials	**SP6835**
	96 Well Microtiter Plates Capacity: 340 µL (x 5)	**SP7504**
	96 Well Microtiter Plate Sealing Film 5 x Films provided per order. Pierceable films for sealing 96 well microtiter plates and inhibiting sample evaporation.	**SP7506**
	384 Well Microtiter Plates Capacity: 58 µL (x 5)	**SP7505**

4. MVX-7100 Automation Components

	Rack Adapter Plate	**SP7293**

	Microtiter Tray Adaptor (2 Position)	**SP7507**
	Standard Adaptor for two VT54 sample vial racks, two 48 position racks or two microtiter well plates (or a combination of any of these).	

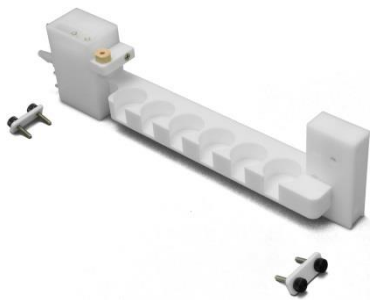|	**Accessory Mounting Blocks**	
	External Mounting Block	**SP7461**
	Internal Mounting Block	**SP7497**
	Mounting blocks for syringe pump and valve syringe modules (SPM's and VSM's).	

	Sample Needle/Probe Guard Assembly	**SP7498**

	Rinse Station Assembly	**SP7499**
	Includes the rinse station, the six additional reagent vial positions and the mounting screws.	

	Sample Needle/Probe Guide (Accessory or Service)	**SP7501**

	Peristaltic Pump Motor Kit Uses single channel tubing cartridges (one per channel)	**32-0851-044**

	Tubing clip Used with single channel tubing cartridges	**32-0848-020**

Single Channel Peristaltic Pump Tubing Cartridges
For use with pumps that use single channel tubing cartridges

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

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

ID (mm)	Tubing Color	End Plate Color	Part Number
Equivalent to PharMed® material. Applications: Pharmaceutical, Biological, and Food and Beverage			
2	Tan	Black	32-0781-054
3.2	Tan	White	32-0782-054
Equivalent to Viton® material. Applications: Acids, Solvents, Oils, High Temperature			
2	Black	Black	32-0787-054
3.2	Black	White	32-0788-054
Equivalent to Tygon® material. Applications: Laboratory Research, Food & Beverage, Biological, Pharmaceutical, Medical Device, Brewery, Consumer Products, Environmental, Raw Milk			
2	Clear	Black	32-0783-054
3.2	Clear	White	32-0784-054
Equivalent to Tygon® Fuel and Lubricant material. Applications: Most fuels and industrial lubricants			
2	Yellow	Black	32-0785-054
3.2	Yellow	White	32-0786-054

2 Liter Carrier Solution/Rinse Solution Bottle   **SP6435**

6. Optional Extra Components

	Peltier Rack Module	**PRM-99-0003**
	Module that allows temperature control of samples between 4°C and 40°C.	
	Syringe Pump Module (SPM), SPM-700+	**SPM-99-0004**

Ordering

To place an order or make enquiries as to any of the parts or accessories in this catalogue, or Teledyne CETAC Technologies products, please contact the Sales Department via the following details or access our e-commerce page at the Teledyne CETAC Technologies website:

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For enquiries as to service or repairs, please contact our Service Department via the following page at our website:

www.teledynecetac.com/site-support/Pages/Global.aspx

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