Parts and Equipment Guide

for Ion Sources and Mass Spectrometers

RUO-IDV-05-6233-M

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Contents

Introduction 1

Customers can order and replace only the parts and equipment in this guide. To order parts and equipment, go to SCIEX Now.

Note: For information about parts not included in this document, go to SCIEX Now.

This guide applies to the following non-MD systems:

- SCIEX 3200 systems
- SCIEX Triple Quad 3500 systems
- SCIEX 4000 systems
- SCIEX 4500 systems
- SCIEX 5500 systems and SCIEX 5500+ systems
- SCIEX 6500 systems and SCIEX 6500+ systems
- SCIEX 7500 systems and SCIEX 7500+ systems
- TripleTOF 4600 systems
- TripleTOF 5600 systems and TripleTOF 5600+ systems
- TripleTOF 6600 systems and TripleTOF 6600+ systems
- X500 QTOF systems
- ZenoTOF 7600 systems and ZenoTOF 7600+ systems
- ZenoTOF 8600 systems
- V55 systems

The ion sources in this guide include:

- DuoSpray ion source
- IonDrive Turbo V ion source
- OptiFlow ion source
- OptiFlow Pro ion source
- OptiFlow Turbo V ion source

Spare Parts 2

WARNING! Personal Injury Hazard. Use only parts that are recommended by SCIEX. The use of parts that are not recommended by SCIEX or the use of parts for a purpose other than their intended purpose can put the user at risk of harm or have a negative effect on system performance.

Mass Spectrometer

Table 2-1 Spares: Mass Spectrometer

Part Number	Description	Remark
1040121	Orifice plate interface heater kit.	SCIEX Triple Quad 3500 systems, SCIEX 4500 systems, SCIEX 5500 systems, SCIEX 5500+ systems, SCIEX 6500 systems, SCIEX 6500+ systems, SCIEX 7500 systems. TripleTOF systems, X500 QTOF systems, ZenoTOF 7600 systems, and ZenoTOF 7600+ systems. Interface heater with the clip. Refer to the document: *Qualified Maintenance Person Guide* or *System User Guide*.
5312951	Orifice plate interface heater kit.	ZenoTOF 8600 systems. Interface heater with the compression spring. Refer to the document: *Qualified Maintenance Person Guide*.
5065277	Synchronization cable for CTC PAL systems.	X500 QTOF systems, ZenoTOF 7600 systems, ZenoTOF 7600+ systems, and ZenoTOF 8600 systems. Refer to the document: *Devices Setup Guide.*
5065278	Synchronization cable for ExionLC AC/AD, Shimadzu, Waters, Eksigent NanoLC 400, and Gilson systems.	X500 QTOF systems, ZenoTOF 7600 systems, ZenoTOF 7600+ systems, and ZenoTOF 8600 systems. Refer to the document: *Devices Setup Guide.*

Table 2-1 Spares: Mass Spectrometer (continued)

Part Number	Description	Remark
5068024	Synchronization cable for Agilent systems.	X500 QTOF systems, ZenoTOF 7600 systems, ZenoTOF 7600+ systems, and ZenoTOF 8600 systems. Refer to the document: *Devices Setup Guide.*

Mass Spectrometer Power Cables

Table 2-2 Mass Spectrometer Mains Supply Cable Spares: SCIEX 7500+ Systems, ZenoTOF 7600 Systems, ZenoTOF 7600+ Systems, and ZenoTOF 8600 Systems

Part Number	Description	Remark
5076549	North America	Refer to the document: *Site Planning Guide*.
5082007	United Kingdom	Refer to the document: *Site Planning Guide*.
5079458	Switzerland	Refer to the document: *Site Planning Guide*.
5079457	Italy	Refer to the document: *Site Planning Guide*.
5079459	Central Europe	Refer to the document: *Site Planning Guide*.
5079459	South Korea	Refer to the document: *Site Planning Guide*.
5079455	Australia	Refer to the document: *Site Planning Guide*.
5084519	Japan	Refer to the document: *Site Planning Guide*.
5078946	China	Refer to the document: *Site Planning Guide*.
5079454	India	Refer to the document: *Site Planning Guide*.

Table 2-3 Mass Spectrometer Mains Supply Cable Spares: All Other Systems

Part Number	Description	Remark
5009152	North America	Refer to the document: *Site Planning Guide*.
5027349	United Kingdom	Refer to the document: *Site Planning Guide*.
5027461	Switzerland	Refer to the document: *Site Planning Guide*.
5027503	Italy	Refer to the document: *Site Planning Guide*.
5027841	Central Europe	Refer to the document: *Site Planning Guide*.
5028400	South Korea	Refer to the document: *Site Planning Guide*.
5028431	Australia	Refer to the document: *Site Planning Guide*.
5009152	Japan	Refer to the document: *Site Planning Guide*.
5029431	China	Refer to the document: *Site Planning Guide*.
5044093	India	Refer to the document: *Site Planning Guide*.

Roughing Pump

Table 2-4 Spares: Roughing Pump

Part Number	Description	Remark
028685	Roughing pump oil return tubing for the HS602 roughing pump.	SCIEX 3200 systems and SCIEX 4000 systems. Refer to the document: *Qualified Maintenance Person Guide*.
1034438	Exhaust filter cartridge for the MS40 roughing pump.	SCIEX 6500 systems, SCIEX 6500+ systems, SCIEX 7500 systems, SCIEX 7500+ systems, and V55 systems.

Table 2-4 Spares: Roughing Pump (continued)

Part Number	Description	Remark
		Note: In the oil-sealed roughing pump configuration, SCIEX 7500 systems and SCIEX 7500+ systems are configured with dual MS40 and MS120 roughing pumps.
5081834	Exhaust filter cartridge for the MS120 roughing pump.	SCIEX 7500 systems and SCIEX 7500+ systems.
5037860	Roughing pump oil change kit. The kit contains a roughing pump oil extraction system that makes the process to change the oil faster and easier.	Contact an FSE. **Note:** Not for use with the HS602 roughing pump.
9499342	Roughing pump oil exhaust filter for the HS602 roughing pump.	SCIEX 3200 systems and SCIEX 4000 systems. Refer to the document: *Qualified Maintenance Person Guide*.
5320699	HiScroll 46 Dry pump Tip Seal Kit.	V55 systems.

Turbo V Ion Source, IonDrive Turbo V Ion Source, and DuoSpray Ion Source

For maintenance procedures, refer to the documentation that is supplied with the ion source.

Table 2-5 Spares: Turbo V Ion Sources, IonDrive Turbo V Ion Sources, and DuoSpray Ion Sources

Part Number	Description	Remark
1005100	TurboIonSpray probe assembly for the DuoSpray ion source.	Refer to the document: *DuoSpray Ion Source Operator Guide*.
5041898	Twin ESI probe assembly.	X500 QTOF systems, ZenoTOF 7600 systems, and ZenoTOF 7600+ systems. Refer to the document: *Turbo V Ion Source Operator Guide*.

Table 2-5 Spares: Turbo V Ion Sources, IonDrive Turbo V Ion Sources, and DuoSpray Ion Sources (continued)

Part Number	Description	Remark
5041899	Twin APCI probe assembly.	X500 QTOF systems, ZenoTOF 7600 systems, and ZenoTOF 7600+ systems. Refer to the document: *Turbo V Ion Source Operator Guide*.
5060806	ESI probe assembly. Refer to the figure: Figure 2-1.	SCIEX Triple Quad systems, QTRAP systems, and TripleTOF systems. Refer to the document: *Operator Guide* for the ion source or the *SCIEX 3200 Systems System User Guide*.
5060807	APCI probe assembly. Refer to the figure: Figure 2-2.	SCIEX Triple Quad systems, QTRAP systems, and TripleTOF systems. Refer to the document: *Operator Guide* for the ion source or the *SCIEX 3200 Systems System User Guide*.

Figure 2-1 TurbolonSpray Probe Assembly (PN 5060806)

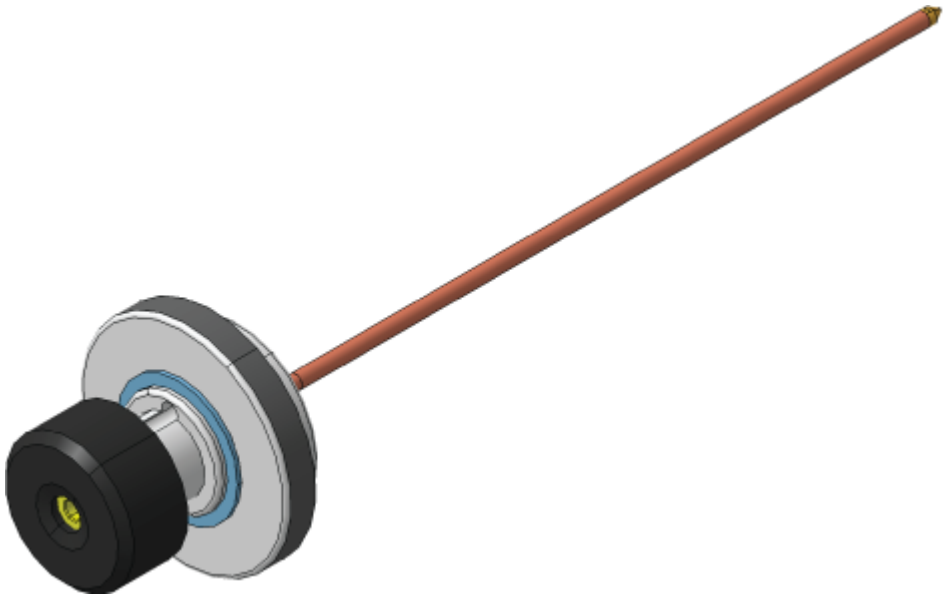
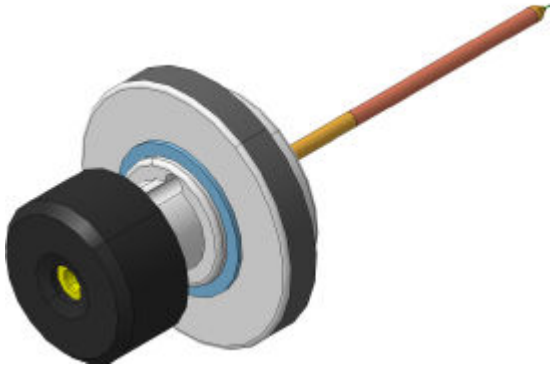


Figure 2-2 APCI Probe Assembly (PN 5060807)



OptiFlow Turbo V Ion Source

For maintenance procedures, refer to the documentation that is supplied with the ion source.

Table 2-6 Spares: OptiFlow Turbo V Ion Source

Part Number	Description	Remark
5066024	Micro 50-200 µL probe. Flow rates between 50 µL/min and 200 µL/min.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*. **Note:** PN 5066024 has replaced PN 5063236, SteadySpray ANALYTICAL probe.
5066026	Micro 1-50 µL probe. Flow rates between 1 µL/min and 50 µL/min.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*. **Note:** PN 5066026 has replaced PN 5063235, SteadySpray MICRO probe.
5071350	Analytical > 200 µL probe. Flow rates more than 200 µL/min.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*.
5067457	Nano < 1 µL probe. Flow rates between 100 nL/min and 1,000 nL/min.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide.* **Note:** PN 5067457, SteadySpray NANO probe, has been renamed Nano < 1 µL probe.

Table 2-6 Spares: OptiFlow Turbo V Ion Source (continued)

Part Number	Description	Remark
5083897	ESI Calibration probe. Flow rates between 1 µL/min and 2,000 µL/min.	Refer to the document: *OptiFlow Turbo V Ion Source for the ZenoTOF 7600/7600+ System Operator Guide*.
5060962	Probe port plug.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide.*

Figure 2-3 Micro, Analytical, or Nano Probe

OptiFlow Pro Ion Source

For maintenance procedures, refer to the documentation that is supplied with the ion source.

Table 2-7 Spares: OptiFlow Pro Ion Source

Part Number	Description	Remark
5066024	Micro 50-200 µL probe. Flow rates between 50 µL and 200 µL.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*
5066026	Micro 1-50 µL probe. Flow rates between 1 µL and 50 µL.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*
5071350	Analytical probe. Flow rates more than 200 µL.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*

Table 2-7 Spares: OptiFlow Pro Ion Source (continued)

Part Number	Description	Remark
5067457	Nano < 1 µL probe. Flow rates between 100 nL/min and 1,000 nL/min.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*
5317056	Nano Calibration probe	ZenoTOF 8600 systems: Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*
5316863	Off-Axis Calibration probe	ZenoTOF 8600 systems: Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*
5071583	E Lens probe (Analytical).	SCIEX 7500 systems and SCIEX 7500+ systems: Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*
5074815	E Lens probe (Micro). Flow rates between 1 µL to 200 µL.	SCIEX 7500 systems and SCIEX 7500+ systems: Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*
5060962	Probe port plug.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*
5078980	Infusion adapter.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*
5312422	Grounding union.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide.*

Figure 2-4 Micro, Analytical, or Nano Probe

OptiFlow Ion Source

For maintenance procedures, refer to the documentation that is supplied with the ion source.

Table 2-8 Spares: OptiFlow Ion Source

Part Number	Description	Remark
5071350	Analytical probe. Flow rates more than 200 µL.	Refer to the document: *OptiFlow Ion Source Operator Guide.*
5060962	Probe port plug.	Refer to the document: *OptiFlow Ion Source Operator Guide.*
5078980	Infusion adapter.	Refer to the document: *OptiFlow Ion Source Operator Guide.*
5312422	Grounding union.	Refer to the document: *OptiFlow Ion Source Operator Guide.*

Figure 2-5 Analytical Probe

Consumables 3

Mass Spectrometer

For maintenance procedures, refer to the documentation that is supplied with the mass spectrometer.

Table 3-1 Consumables: Mass Spectrometer

Part Number	Description	Remark
5301997	Essential 7600 Interface kit.	ZenoTOF 7600 systems and ZenoTOF 7600+ systems. Contains the 5,000-psi rotor, stator, O-rings (9).
5319207	DJet+ Assembly O-ring kit	SCIEX 7500+ systems. Includes the IQ0 and IQ00 O-rings.
Cleaning		
5313530	Front-end cleaning kit.	SCIEX 3200 systems, SCIEX 4000 systems, SCIEX Triple Quad 3500 systems, SCIEX 4500 systems, and SCIEX 5500 systems. Refer to the document: *Qualified Maintenance Person Guide*. Contains the small poly swabs, lint-free wipes, Q0 cleaning tool, straight custom brush, and cleaning powder.
5313531	Front-end cleaning kit.	TripleTOF systems. Refer to the document: *Qualified Maintenance Person Guide*. Contains the small poly swabs, lint-free wipes, Q0 cleaning tool, tapered custom brush, and cleaning powder.
5313532	Front-end cleaning kit.	SCIEX 5500+ systems, SCIEX 6500 systems, SCIEX 6500+ systems, and SCIEX 7500 systems. Refer to the document: *Qualified*

Table 3-1 Consumables: Mass Spectrometer (continued)

Part Number	Description	Remark
		Maintenance Person Guide or *System User Guide*. Contains the small poly swabs, lint-free wipes, Q0 cleaning tool, straight cleaning brush for the ion guide, and cleaning powder.
5312474	Front-end cleaning kit.	SCIEX 7500+ systems. Refer to the document: *System User Guide*. Contains the small poly swabs, lint-free wipes, and SCIEX cleaning powder.
5319657	Front-end cleaning kit.	V55 systems. Refer to the document: *System User Guide* Contains the small poly swabs, lint-free wipes, a custom tapered brush, and SCIEX cleaning powder.
5313513	Cleaning kit for the DJet+ assembly.	SCIEX 7500+ systems. Refer to the document: *System User Guide*. Contains the cleaning tray, 1.5-mm long-shaft screwdriver, 2.5-mm long-shaft screwdriver, extraction tool, and retaining ring removal tool.
018027	Lint-free wipe.	Refer to the documents: *Qualified Maintenance Person Guide* or *System User Guide*.
1017396	Small poly swab, 1 pack of 10.	Refer to the documents: *Qualified Maintenance Person Guide* or *System User Guide*.
1028234	Q0 cleaning tool.	Refer to the document: *Qualified Maintenance Person Guide* or *System User Guide*.
5070826	Cleaning powder.	Refer to the documents: *Qualified Maintenance Person Guide* or *System User Guide*.

Table 3-1 Consumables: Mass Spectrometer (continued)

Part Number	Description	Remark
5020894	Straight custom brush for the QJet ion guide.	SCIEX Triple Quad 3500 systems, SCIEX 4500 systems, and SCIEX 5500 systems. Refer to the document: *Qualified Maintenance Person Guide* or *System User Guide*.
5020895	Tapered custom brush for the IonDrive QJet ion guide or the QJet ion guide.	SCIEX 5500+ systems, SCIEX 6500 systems, SCIEX 6500+ systems, and V55 systems. Refer to the documents: *Qualified Maintenance Person Guide* or *System User Guide*.
Solutions		
4376887	Triazine standard solution.	Refer to the document: *Customer Familiarization Checklist*.
4406127	PPGs chemical standards kit.	Refer to the document: *Ion Source Tests, Specifications, and Data Log*.
5077206	MS single tuning solution kit.	SCIEX 7500 systems. Refer to the document: *System User Guide*.
5321281	MS tuning solution kit – for V55 systems.	V55 systems. Refer to the document: *System User Guide*.
5324566	MS tuning solution A kit.	SCIEX 4500 systems, SCIEX 5500+ systems, SCIEX 6500+ systems, and SCIEX 7500+ systems. Refer to the document: *System User Guide*.
Filters		
1007740	Card cage air filter.	SCIEX 3200 systems. Refer to the document: *Qualified Maintenance Person Guide*.
1027708	Mass spectrometer air filter kit with four air filters.	SCIEX Triple Quad 3500 systems, SCIEX 4500 systems, SCIEX 5500 systems, SCIEX 5500+ systems, SCIEX 6500 systems, SCIEX 6500+ systems, SCIEX 7500 systems, and SCIEX 7500+ systems. Refer to the document: *Qualified Maintenance*

Table 3-1 Consumables: Mass Spectrometer (continued)

Part Number	Description	Remark
		Person Guide or *System User Guide*.
1032854	Cooling fan filter.	TripleTOF systems. Refer to the document: *Qualified Maintenance Person Guide*.
5075399	CDS filters, 10 µm.	X500 QTOF systems, ZenoTOF 7600 systems, ZenoTOF 7600+ systems, and ZenoTOF 8600 systems. Refer to the document: *System User Guide*.
5311582	Trap, inline gas purifier for EAD	ZenoTOF 7600 systems, ZenoTOF 7600+ systems, and ZenoTOF 8600 systems.

Roughing Pump

For maintenance procedures, refer to the *Qualified Maintenance Person Guide* or the documentation that was supplied with the pump.

Table 3-2 Consumables: Roughing Pump

Part Number	Description	Remark
010998	Roughing pump oil for the HS602 roughing pump, 1 L.	SCIEX 3200 systems and SCIEX 4000 systems with the HS602 roughing pump. Refer to the document: *Qualified Maintenance Person Guide*.
5318782	Roughing pump oil for the SV roughing pumps, 1 L.	SCIEX Triple Quad 3500 systems, SCIEX 4500 systems, SCIEX 5500 systems, SCIEX 5500+ systems, TripleTOF systems, X500 QTOF systems, ZenoTOF 7600 systems, and ZenoTOF 7600+ systems. Refer to the document: *Qualified Maintenance Person Guide* or the documentation that was supplied with the pump.

Table 3-2 Consumables: Roughing Pump (continued)

Part Number	Description	Remark
		Note: Two bottles of oil might be required.
5064867	Roughing pump oil for the MS40 and MS120 roughing pumps. The MS40 requires 1 L of oil. The MS120 requires 1.8 L of oil.	SCIEX 6500 systems, SCIEX 6500+ systems, SCIEX 7500 systems, SCIEX 7500+ systems, and V55 systems. Refer to the documents: *Qualified Maintenance Person Guide* or the documentation that was supplied with the pump. **Note:** The SCIEX 7500 system and SCIEX 7500+ system are configured with dual MS40 and MS120 roughing pumps.

Turbo V Ion Sources and IonDrive Turbo V Ion Sources

For maintenance procedures, refer to the documentation that is supplied with the ion source.

Table 3-3 Consumables: Turbo V Ion Source and IonDrive Turbo V Ion Source

Part Number	Description	Remark
017819	O-ring for the vacuum interface.	Refer to the document: *System User Guide*.
5051034	Corona discharge needle.	Refer to the document: *Operator Guide* for the ion source or *SCIEX 3200 Systems System User Guide*.
Kits		
5050361	Turbo probe essential kit.	TurboIonSpray probe for the Turbo V ion source. Supports flow rates from 5 µL/min to 3,000 µL/min without splitting. Useful for quantitation at high sensitivity and high flow rates.

Table 3-3 Consumables: Turbo V Ion Source and IonDrive Turbo V Ion Source (continued)

Part Number	Description	Remark
5058491	Essential MS electrode turbo kit.	Turbo V ion source. Contains the electrodes (5), spring, O-ring, and fittings.
5058494	Essential MS ceramic heater kit.	Turbo V ion source. Contains the ceramic turbo heater, electrodes (2), red PEEK tubing (80 cm), spring, O-ring, and fittings.
5058495	Essential MS kit.	Turbo V ion source. Contains the electrodes (2), red PEEK tubing (80 cm), spring, O-ring, and fittings.
5062269	Essential MS metal heater kit.	Turbo V ion source. Contains the metal turbo heater, electrodes (2), red PEEK tubing (80 cm), spring, O-ring, and fittings.
5062313	Essential MS IonDrive ion source heater kit.	IonDrive Turbo V ion source. Contains the turbo heater, electrodes (2), red PEEK tubing (80 cm), spring, O-ring, and fittings.
5071314	MS maintenance essentials kit.	Contains one 3/16-i.d. O-ring, red PEEK tubing (80 cm), two 10/32-inch × 1/16-inch PEEK fittings, two TurboIonSpray electrodes, one 1/16-inch union, one spring for the Turbo V ion source, one PPGs chemical standards kit (low-high concentration), one 1/16-inch short hex PEEK fitting.
5087378	Essential MS QTOF Heater kit.	Turbo V ion source on X500 QTOF systems, ZenoTOF 7600 systems, and ZenoTOF 7600+ systems. Contains the tubing (1), inline check valve (1), PEEK fittings (2), flangeless nuts (2), 1/16-inch union fitting, and metal turbo heater (1).
5087380	Essential MS QTOF kit.	Turbo V ion source on X500 QTOF systems, ZenoTOF 7600 systems, and ZenoTOF 7600+ systems. Contains the PEEK tubing (180 cm),

Table 3-3 Consumables: Turbo V Ion Source and IonDrive Turbo V Ion Source (continued)

Part Number	Description	Remark
		2.11-inch × 0.14-inch O-ring (1), 2.11-inch × 0.07-inch O-rings (2), twin ESI electrodes (2).
5301994	Essential QTOF Source kit.	Turbo V ion source on X500 QTOF systems, ZenoTOF 7600 systems, and ZenoTOF 7600+ systems. Contains the O-ring (1), metal turbo heater kit (1), corona discharge needle kit (1), and lens kit (1), which contains the IQ0 and IQ00 lenses.
Turbo Heaters		
5051082	Metal-encased turbo heater for the Turbo V ion source.	Refer to the document: *Qualified Maintenance Person Guide*.
5054421	Ceramic-encased turbo heater for the Turbo V ion source.	Refer to the document: *Qualified Maintenance Person Guide*.
5054661	Turbo heater for the IonDrive Turbo V ion source without covers.	Refer to the document: *Qualified Maintenance Person Guide*.
5058778	Turbo heater for the Turbo V ion source with covers.	Refer to the document: *Qualified Maintenance Person Guide*.
Electrodes		
5058491	Electrode for the TurboIonSpray probe.	SCIEX Triple Quad systems, QTRAP systems, and TripleTOF systems. Refer to the document: *Operator Guide* for the ion source or *SCIEX 3200 Systems System User Guide*.
5053788	Electrode for the APCI probe.	SCIEX Triple Quad systems, QTRAP systems, and TripleTOF systems. Refer to the document: *Operator Guide* for the ion source or *SCIEX 3200 Systems System User Guide*.
5049795	Electrode for the twin ESI probe.	X500 QTOF systems, ZenoTOF 7600 systems, and ZenoTOF 7600+ systems. Refer to the document: *Turbo V Ion Source Operator Guide*.

Table 3-3 Consumables: Turbo V Ion Source and IonDrive Turbo V Ion Source (continued)

Part Number	Description	Remark
5054901	Electrode for the twin APCI probe.	X500 QTOF systems, ZenoTOF 7600 systems, and ZenoTOF 7600+ systems. Refer to the document: *Turbo V Ion Source Operator Guide*.
Tubing and Fittings		
016316	Red PEEK tubing (0.005-inch bore), 100 cm.	Sample tubing, 100 cm.
016325	Brown PEEK fitting, pack of 5.	Sample tubing nut.
016485	Tan PEEK tubing (0.0025-inch bore).	Specify order quantity in cm.
019675	Tee insert (0.25-mm bore).	Grounding union connection.

Figure 3-1 Red PEEK Tubing: SCIEX Triple Quad Systems, QTRAP Systems, and TripleTOF Systems

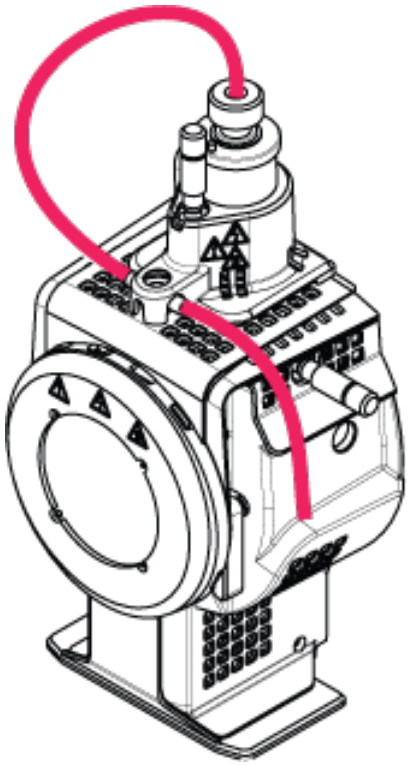
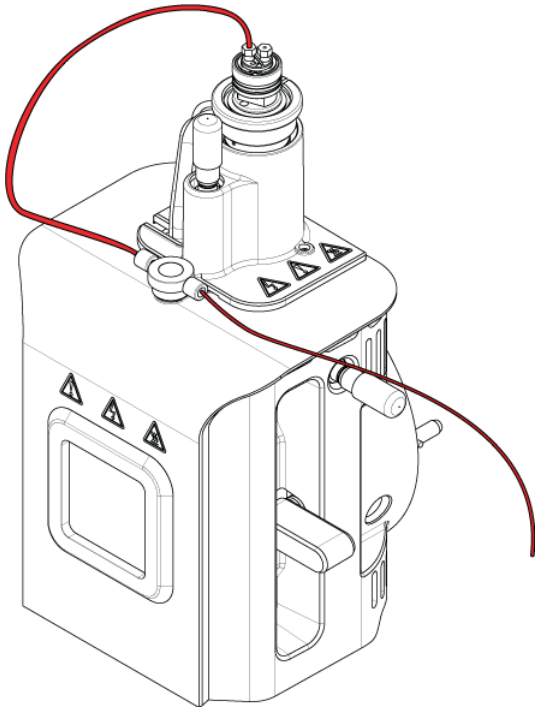


Figure 3-2 Red PEEK Tubing: X500 QTOF Systems, ZenoTOF 7600 Systems, and ZenoTOF 7600+Systems



OptiFlow Turbo V Ion Source

For maintenance procedures, refer to the documentation that is supplied with the ion source.

Table 3-4 Consumables: OptiFlow Turbo V Ion Source

Part Number	Description	Remark
5060726	Installation kit (Micro).	Contains spare parts for a new installation.
5069262	Nano upgrade kit.	Contains Nano parts required to operate the system with the Nano probe and column heater.
Electrodes		
5061574	Electrode 1–10 µL. Flow rates between 1 µL/min and 10 µL/min. Pack of 5.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*.

Table 3-4 Consumables: OptiFlow Turbo V Ion Source (continued)

Part Number	Description	Remark
		Note: PN 5061574, SteadySpray LOW MICRO electrode, has been renamed Electrode 1-10 µL.
5061575	Electrode 10–50 uL. Flow rates between 10 µL/min and 50 µL/min. Pack of 5.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*. **Note:** PN 5061575, SteadySpray MICRO electrode, has been renamed Electrode 10-50 µL.
5061576	Electrode 50–200 µL. Flow rates between 50 µL/min and 200 µL/min. Pack of 2.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*. **Note:** PN 5061576, SteadySpray HIGH MICRO electrode, has been renamed Electrode 50-200 µL.
5061577	Micro electrodes starter pack. Mixed pack of 5 electrodes.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*.
5070382	Nano electrodes starter pack. Flow rates between 100 nL/min and 1,000 nL/min. Pack of 5.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*.
5079351	ESI calibration electrode. Flow rates between 1 µL/min and 200 µL/min.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*.
Fittings and O-rings		
5060978	Stainless steel upper fitting for the column connection.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*.
5061373	PEEK upper fitting for the Micro column connection.	Refer to the document: *OptiFlow Turbo V Ion Source Operator Guide*.
5053325	PEEK ferrule for 1/16-inch o.d. tubing.	N/A
5055764	Lower probe O-ring, 10 mm i.d. × 1.5 mm.	N/A
5045265	Upper probe O-ring, 4 mm i.d. × 1.0 mm.	N/A

OptiFlow Pro Ion Source

For maintenance procedures, refer to the documentation that is supplied with the ion source.

Table 3-5 Consumables: OptiFlow Pro Ion Source

Part Number	Description	Remark
5060726	Installation kit (Micro).	Contains spare parts for a new installation.
5069262	Nano upgrade kit.	Contains the parts required to operate the system with the Nano probe and column heater.
5312422	Grounding union kit.	Contains the grounding union, fittings, and screws.
Kits		
5087381	Essential MS electrode kit for the OptiFlow Pro ion source.	Contains Analytical electrodes (5), tubing (80 cm), fittings (2), and a 5,000-psi rotor.
5087379	Essential MS kit for the OptiFlow Pro ion source.	Contains Analytical electrodes (2), tubing (80 cm), fittings (2), and a 5,000-psi rotor.
5079313	Micro kit for ZenoTOF 8600 systems.	ZenoTOF 8600 systems.
5302231	Nano kit for ZenoTOF 8600 systems.	ZenoTOF 8600 systems.
Electrodes		
5061574	Electrode 1–10 µL. Flow rates between 1 µL/min and 10 µL/min. Pack of 5.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide*.
5061575	Electrode 10–50 µL. Flow rates between 10 µL/min and 50 µL/min. Pack of 5.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide*.
5061576	Electrode 50–200 µL. Flow rates between 50 µL/min and 200 µL/min. Pack of 2.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide*.
5061577	Micro electrodes starter pack. Mixed pack of 5 electrodes.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide*.

Table 3-5 Consumables: OptiFlow Pro Ion Source (continued)

Part Number	Description	Remark
5070382	Nano electrodes starter pack. Flow rates between 100 nL/min and 1,000 nL/min. Pack of 5.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide*.
5071438	Electrode Analytical.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide*.
5076874	Electrode APCI.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide*.
5325274	Analytical electrode.	Refer to the document: *Analytical Electrode Replacement Procedure for the OptiFlow Ion Source and OptiFlow Pro Ion Source*.
Fittings and O-rings		
5060978	Stainless steel upper fitting for the column connection.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide*.
5061373	PEEK upper fitting for the Micro column connection.	Refer to the document: *OptiFlow Pro Ion Source Operator Guide*.
5053325	PEEK ferrule for 1/16-inch o.d. tubing.	N/A
5055764	Lower probe O-ring, 10 mm i.d. × 1.5 mm.	N/A
5045265	Upper probe O-ring, 4 mm i.d. × 1.0 mm.	N/A

OptiFlow Ion Source

For maintenance procedures, refer to the documentation that is supplied with the ion source.

Table 3-6 Consumables: OptiFlow Ion Source

Part Number	Description	Remark
5312422	Grounding union kit.	Contains the grounding union, fittings, and screws.
Kits		

Table 3-6 Consumables: OptiFlow Ion Source (continued)

Part Number	Description	Remark
5087381	Essential MS electrode kit for the OptiFlow ion source.	Contains Analytical electrodes (5), tubing (80 cm), fittings (2), and a 5,000-psi rotor.
5087379	Essential MS kit for the OptiFlow ion source.	Contains Analytical electrodes (2), tubing (80 cm), fittings (2), and a 5,000-psi rotor.
5321270	APCI kit for V55 systems.	V55 systems.
Electrodes		
5071438	Electrode Analytical.	Refer to the document: *OptiFlow Ion Source Operator Guide*.
5076874	Electrode APCI.	Refer to the document: *OptiFlow Ion Source Operator Guide*.
5325274	Analytical electrode.	Refer to the document: *Analytical Electrode Replacement Procedure for the OptiFlow Ion Source and OptiFlow Pro Ion Source*.
Fittings and O-rings		
5060978	Stainless steel upper fitting for the column connection.	Refer to the document: *OptiFlow Ion Source Operator Guide*.
5053325	PEEK ferrule for 1/16-inch o.d. tubing.	N/A
5055764	Lower probe O-ring, 10 mm i.d. × 1.5 mm.	N/A
5045265	Upper probe O-ring, 4 mm i.d. × 1.0 mm.	N/A

DuoSpray Ion Source

For maintenance procedures, refer to the documentation that is supplied with the ion source.

Table 3-7 Consumables: DuoSpray Ion Source

Part Number	Description	Remark
026626	Spring for probe.	N/A

Table 3-7 Consumables: DuoSpray Ion Source (continued)

Part Number	Description	Remark
027497	Gold-plated spring for HV connection.	N/A
Corona Discharge Needle		
027013	Spring for corona discharge needle.	N/A
1006174	Corona discharge needle rod.	Refer to the document: *DuoSpray Ion Source Operator Guide*.
1006177	Corona discharge needle tip.	Refer to the document: *DuoSpray Ion Source Operator Guide*.
Electrodes		
5058491	Electrode for the TurboIonSpray probe.	Refer to the document: *DuoSpray Ion Source Operator Guide*.
5053788	Electrode for the APCI probe.	Refer to the document: *DuoSpray Ion Source Operator Guide*.
Tubing, Fittings, and O-rings		
016316	Red PEEK tubing (0.005-inch bore), 100 cm.	TripleTOF systems. Sample tubing. Refer to the document: *DuoSpray Ion Source Operator Guide*.
016325	Brown PEEK fitting, pack of 5.	Sample tubing nuts.
1005601	PEEK tubing kit to connect to the TurboIonSpray probe, 30 cm.	SCIEX Triple Quad systems and QTRAP systems. Refer to the document: *DuoSpray Ion Source Operator Guide*.
1005602	PEEK tubing kit to connect to the APCI probe, 45 cm.	SCIEX Triple Quad systems and QTRAP systems. Refer to the document: *DuoSpray Ion Source Operator Guide*.
5041723	PEEK GraphTite fitting, black, 1/16 inch, pack of 2.	N/A
5045984	PEEK union in the probe.	N/A
017819	O-ring for the vacuum interface.	Refer to the document: *System User Guide*.

CDS

Table 3-8 X500 QTOF Systems, ZenoTOF 7600 Systems, ZenoTOF 7600+ Systems, and ZenoTOF 8600 Systems

Part Number	Description	Remark
5301998	Essential QTOF CDS kit.	Contains PEEK fittings (6), inline check valve (1), PEEK tubing (180 cm), PEEK-clad fused-silica tubing, 10 cm (9), and mobile phase filters (2).

Table 3-9 TripleTOF Systems

Part Number	Description	Quantity	Upchurch Part Number
5008141	Short PEEK nut, 1/4-28.	1	LT-115
5008152	Super flangeless PEEK ferrule.	2	P-260
5008157	Long natural PEEK fitting.	1	F130
5008232	Black acetal plug.	1	U-467BLK
5008296	Blue PEEK tubing, 1/16 inch o.d., 0.010 inch bore, 40 cm long.	1	PM-1960B
5002985	Red PEEK tubing, 1/16 inch o.d., 0.125 inch bore, 40 cm long.	1	PM-1945R
5008298	Green PEEK tubing, 1/16 inch o.d., 0.030 inch bore, 16 cm long.	1	PM1820G
N/A	Natural FEP tubing, 1/16 inch o.d., 0.030 inch bore, 60 cm long.	5	PM1000
N/A	Natural FEP tubing, 1/16 inch o.d., 0.030 inch bore, 17 cm long.	1	PM1000
5008302	Green FEP tubing, 1/16 inch o.d., 0.030 inch bore, 60 cm long.	2	PM1000G
5008303	PEEK bottom-of-bottle (BOB) filter assembly for 1/16-inch-o.d. tubing, 10 µm, GL-38.	2	A-453
N/A	Bottle cap assembly for 1/16-inch-o.d. tubing, GL-38.	5	N/A
N/A	Black knob fittings	11	N/A

Table 3-9 TripleTOF Systems (continued)

Part Number	Description	Quantity	Upchurch Part Number
N/A	PEEK ferrule.	11	N/A
N/A	Rheflex nut.	11	N/A

Calibration Solutions (TOF Systems)

Table 3-10 Calibration Solutions: ZenoTOF 8600 Systems

Part Number	Description	Quantity
5314968	MS Tuning Solution	100 mL

Table 3-11 Calibration Solutions: X500B QTOF Systems, X500R QTOF Systems, ZenoTOF 7600 Systems, and ZenoTOF 7600+ Systems

Part Number	Description	Quantity
5049910	ESI Positive Calibration Solution X500 B.	100 mL
5032735	ESI Positive Calibration Solution X500, pack of 5 .	5 × 100 mL
5042913	ESI Negative Calibration Solution X500.	100 mL
5042917	ESI Negative Calibration Solution X500, pack of 5.	5 × 100 mL
5042914	APCI Positive Calibration Solution X500.	100 mL
5042918	APCI Positive Calibration Solution X500, pack of 5.	5 × 100 mL
5042915	APCI Negative Calibration Solution X500.	100 mL
5042919	APCI Negative Calibration Solution X500, pack of 5.	5 × 100 mL
5033025	Calibration Solution for SCIEX X500 B System. • ESI Positive Calibration Solution X500 B • ESI Negative Calibration Solution X500 • APCI Positive Calibration Solution X500 • APCI Negative Calibration Solution X500	4 × 100 mL

Table 3-12 Calibration Solutions: TripleTOF 5600 Systems, TripleTOF 5600+ Systems, TripleTOF 6600 Systems, and TripleTOF 6600+ Systems

Part Number	Description	Quantity
4460131	APCI Positive Calibration Solution for the SCIEX TripleTOF system.	100 mL
4460134	APCI Negative Calibration Solution for the SCIEX TripleTOF system.	100 mL
4460136	APCI Positive Calibration Solution for the SCIEX TripleTOF system, pack of 5.	5 × 100 mL
4460138	APCI Negative Calibration Solution for the SCIEX TripleTOF system, pack of 5.	5 × 100 mL
4463272	ESI Positive Calibration Solution for the SCIEX TripleTOF system,	100 mL
4463274	ESI Positive Calibration Solution for the SCIEX TripleTOF system, pack of 5.	5 × 100 mL
4463276	ESI Negative Calibration Solution for the SCIEX TripleTOF system, pack of 5.	5 × 100 mL
4463277	ESI Negative Calibration Solution for the SCIEX TripleTOF system.	100 mL

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