


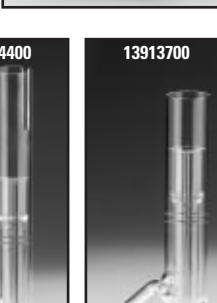





## TORCHES AND INJECTOR TUBES

Part #	Description	
12512401	High Flow Radial Torch Kit, 1.0 mm Center Tube For use with high argon flow only. Supplied with 1.0mm bore demountable center tube suitable for use with organic solutions and base o-ring. This torch is identified by 2 red rings on the outer tube and 2 red rings on the center tube.	
12643201	High Flow Radial Torch Kit, 1.5mm Center Tube Kit includes demountable aqueous (1.5mm bore) center tube and base o-ring. This torch is identified by 2 red rings on the outer tube and 1 red ring on the center tube.	
12643202	High Flow/Low Flow Radial Torch Kit, 1.5mm Center Tube Kit includes demountable aqueous (1.5mm bore) center tube and base o-ring. This torch is identified by 1 red ring on the outer tube and 1 red ring on the center tube.	
12512405	Slotted High Flow Radial Torch Kit, 1.0mm Center Tube For use with high argon flow only. Supplied with 1.0mm bore demountable center tube suitable for use with organic solutions and base o-ring. This torch is identified by 2 red rings on the center tube.	
12643204	Slotted High Flow Radial Torch Kit, 1.5mm Center Tube Kit includes demountable aqueous (1.5mm bore) center tube and base o-ring. This torch is identified by 2 red rings on the outer tube and 1 red ring on the center tube.	
12717903	Slotted Hydrofluoric Acid Resistant Radial Torch Kit For Atomscan Advantage Kit includes demountable ceramic center tube.	
12717901	Hydrofluoric Acid Resistant Radial Torch Kit Kit includes demountable ceramic center tube.	
12717902	Hydrofluoric Acid Resistant Axial Torch Kit Kit includes demountable ceramic center tube	
12643203	Trace Axial Torch Kit Operates on standard high argon flow only. Kit includes 1.5mm quartz center tube and O-ring.	
13856200	DUO Torch Kit Axial (long) torch with hole for radial viewing. Kit includes sleeve and seal, standard (1.5mm) center tube and o-ring.	
12644001	Radial Torch Body, High Flow Outer body only. No center tube or O-ring is included. This body is identified by two red rings on the outer tube.	
12644002	Radial Torch Body, High/Low Flow Outer body only. No center tube or O-ring is included. This body is identified by one red ring on the outer tube.	
12644006	Radial Torch Body, Slotted High Flow Outer body only. No center tube or O-ring is included.	
12644003	Trace Axial Torch Body Outer body only. No center tube or O-ring is included. For all axial instruments.	
12644005	DUO Torch Body Axial (long) torch with hole for radial viewing. No center tube or o-ring is included. For all Dual View axial instruments.	
13913700	Single Piece Radial Quartz Torch For use with all solvents except HF. Especially suited for the analysis of organic solutions when used in conjunction with the Cooled Conical Spray Chamber.	
13924400	Single Piece Radial Quartz Torch Kit For Atomscan Advantage Or For N Analysis With ICAP 61E Or Atomscan 16 Or IRIS For use with all solvents except HF. Especially suited for the analysis of organic solutions when used in conjunction with the Cooled Conical Spray Chamber. Has an elongated outer tube with a viewing slot to closely couple to the entrance optics and exclude entrained air. Includes anti-arc cap.	
13826600	Single Piece Quartz Torch Mounting Kit Used to mount Single Piece Quartz Torch or Single Piece Quartz Torch for N Analysis. Includes Collar Assembly and Support bracket for Conical Spray Chamber. <b>NOTE: Does not include the self-sealing fittings for mounting the Cooled Conical Spray Chamber, which require installation by a Thermo Electron authorized service engineer if not factory installed.</b>	




## TORCHES AND INJECTOR TUBES Continued

Part #	Description
13856300	DUO Torch Sleeve And Seal Kit For Dual View IRIS/AP And IRIS Advantage Contains sleeve and seal only. For sealing optical path between radial viewing hole and lens on IRIS/AP Duo or IRIS Advantage DUO. Supplied with DUO Torch Kit.
12540700	Quartz Center Tube (1.5mm - 1 Red Ring) Replacement Part. Recommended spare. This tube is to be used with all axial plasmas, regardless of solvent being aspirated.
12540701	Quartz Center Tube (1.0mm - 2 Red Rings) Replacement Part. Recommended spare.
13650201	Quartz Center Tube (2.0mm - 1 Blue Ring) Wide capillary (straight) bore center tube for use with moderate to high (up to 10 %) concentrations of dissolved salts.
13650202	Quartz Center Tube (2.4mm - 2 Blue Rings) Wide capillary (straight) bore center tube for use with high (above 10 %) concentrations of dissolved salts.
13643601	Ceramic Injector Tube For HF Torches (1.5mm) Inert high purity Alumina center tube for use with HF sample introduction kits.
13643602	Ceramic Injector Tube For HF Torches (2.0mm) Inert high purity Alumina center tube for use with HF sample introduction kits. Preferred center tube for high solids samples.
12584700	O-Ring Seals center tube to torch base. For all torches.



## FULLY DEMOUNTABLE TORCHES AND REPLACEMENT PARTS

NOTE: Order parts for Fully Demountable Torches from the following list. In particular, note that the center tubes for these torches are not interchangeable with those used on the ceramic base Thermo Electron torches.

Part #	Description	
14111200	Fully Demountable Torch Kit For Radial ICAP Spectrometers Torch base with fully demountable injector tube, inner and outer quartz tubes. Kit includes sleeve adapter for cyclonic spray chamber, ball adapter for conical spray chamber, 1.8 and 1.5mm quartz injector tubes, inner tube and radial outer tube, mounting plate and screws.	
14153500	Fully Demountable Torch Kit For Radial Atomscan Advantage Spectrometers Torch base with fully demountable injector tube, inner and outer quartz tubes. Kit includes sleeve adapter for cyclonic spray chamber, ball adapter for conical spray chamber, 1.8 and 1.5mm quartz injector tubes, inner tube and slotted radial outer tube, mounting plate and screws.	
14111300	Fully Demountable Torch Kit For Axial ICAP Spectrometers Torch base with fully demountable injector tube, inner and outer quartz tubes. Kit includes sleeve adapter for cyclonic spray chamber, ball adapter for conical spray chamber, 1.8 and 1.5mm quartz injector tubes, inner tube and axial outer tube, mounting plate and screws.	
14111400	Fully Demountable Torch Kit For Axial DUO ICAP Spectrometers Torch base with fully demountable injector tube, inner and outer quartz tubes. Kit includes sleeve adapter for cyclonic spray chamber, ball adapter for conical spray chamber, 1.8 and 1.5mm quartz injector tubes, inner tube and axial outer tube with radial viewing hole, DUO sleeve and seal kit, mounting plate and screws.	
14110500	1.8mm Center Tube For All Demountable Torches	
14110600	1.0mm Center Tube For All Demountable Torches	
14111000	Alumina HF Resistant Center Tube For All Demountable Torches	
14110000	Inner Tube For All Demountable Torches	
14110100	Outer Tube For Radial Demountable Torch	
14110200	Outer Tube For Axial Demountable Torch	
14110300	Outer Tube For DUO Demountable Torch	
14131800	Short Outer Tube For Axial Demountable Torch Provides improved performance for organic solutions analysis with the axial plasma.	
14134600	Short Outer Tube For DUO Demountable Torch Provides improved performance for organic solutions analysis with the axial plasma.	
14112800	O-Ring Kit For Demountable Torches Includes 10 center tube o-rings (06425802), 5 ball adapter o-rings (06425211) and 10 spray chamber seals (06425822). One kit is supplied with the demountable torch kit.	
14131700	Slotted Outer Tube For Atomscan Advantage Radial Demountable Torch Or For N Analysis With Other Radial ICAP's	
14278200	Glass Insert For Demountable Torch Replacement ground glass insert that locates the outer and inner sleeves.	
		