



## FTT Smoke Density Chamber Spare Parts List

<i>Part Number</i>	<i>Part type</i>	<i>Part Name</i>	<i>Unit Price</i>	<i>Notes</i>	<i>Instrument</i>
4556	Bellows	Rubber bellows (for actuator rod)	POA		FTT SDC
5060	Burner	Burner assembly	POA	Supplied with 6 mm nut and olive (Formerly part number K013-3)	FTT SDC
C184-4	Burner	Pilot ignition assembly (ISO 5659)	POA	Not including electrode	ISO 5659
HFM Recal	Calibration	Calibration of heat flux meter (ISO 5659)	POA	Original to be returned to FTT	ISO 5659
Rad Recal	Calibration	Re-calibrate radiometer	POA	Original to be returned to FTT	FTT SDC
K168-4	Calorimeter	Copper disc calorimeter	POA	for calibrating radiometer	FTT SDC
4372	Cap	Lemo chassis dust cap	POA		FTT SDC
489-419	Cap	Smoke chamber connection cover (plastic)	POA	For the three black connections on floor of chamber	FTT SDC
K108-3	Control unit	Photomultiplier Control Unit	POA	Does not include connection box for SR 1 Smoke Box	FTT SDC
FTT0157	Controller	Temperature controller for Smoke Density Chamber	POA		FTT SDC
4214	Data acquisition	36 way data transfer cable	POA	For KPCI-3107 system	FTT SDC
4478	Data Acquisition	Keithley data acquisition card	POA		FTT SDC
K047-4	Fan	Extraction fan (230 V)	POA		FTT SDC
U184-4	Filter	6723 HEPA vent filter	POA	To protect manometer from soot deposits	FTT SDC
4046	Flow control	Flashback arrestor	POA	Body only - no fittings	FTT SDC
4456	Flowmeter	Tube and float only (60-600 cm <sup>3</sup> /min air)	POA		FTT SDC
4457	Flowmeter	Tube and float only (30-140 cm <sup>3</sup> /min propane)	POA		FTT SDC
4460	Flowmeter	FTT flowmeter (air)	POA	not calibrated	FTT SDC
4461	Flowmeter	FTT flowmeter (gas)	POA	not calibrated	FTT SDC
K169	Foil	Aluminium foil roll for blow out panel	POA	200 sheets per roll	FTT SDC
C183-3	Furnace	ISO 5659 cone heater element	POA		ISO 5659
C185-2	Furnace	ISO 5659 Cone heater assembly	POA		ISO 5659
C215-4	Furnace	Fire model ISO 5659	POA	Complete assembly which sits inside chamber, no load cell, no controls	ISO 5659

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K012	Furnace	Complete radiant heat furnace	POA	No cables supplied - see parts K128-4 and K129-4.	FTT SDC
K128-4	Furnace	Standard furnace power cable	POA		FTT SDC
K129-4	Furnace	Standard furnace thermocouple cable	POA		FTT SDC
K136-4	Gauge	Alignment gauge (furnace/sample)	POA		FTT SDC
U186-4	Gauge	23 mm spacing gauge (cone to sample)	POA	Use for sample holder with edge frame	ISO 5659
U187-4	Gauge	25 mm spacing gauge (cone to heat flux meter or sample)	POA	Use to position heat flux meter at correct height or sample with no edge frame	ISO 5659
K093-4	Glass	Optical window	POA	For top and bottom of smoke chamber	FTT SDC
494-124	Grease	Silicone grease	POA		FTT SDC
FTT0071	Heat Flux Meter	ISO 5659 heat flux meter	POA		ISO 5659
576-535	Lamp	Green (filter) indicating lamp	POA		FTT SDC
K192-4	Lamp	Light source with wires connected	POA		FTT SDC
4473	Load cell	Load cell controller	POA		ISO 5659
C205-3	Load cell	ISO 5659 load cell assembly	POA	Does not include controller - please see part 4473	ISO 5659
4071	Manometer	Replacement manometer fluid	POA	500 ml can	FTT SDC
4598	Manometer	Manometer	POA		FTT SDC
K999	Manual	User's guide for FTT Smoke Density Chamber	POA		FTT SDC
255-9655	Motor	Carousel motor	POA		FTT SDC
4263	Optical filter	ND 2.0 filter	POA	Range-extension filter. 25 mm diameter.	FTT SDC
4423	Plug	Lemo cable plug	POA	4 pole on cable	FTT SDC
4551	Plug	Lemo socket	POA	4 pole on chamber	FTT SDC
4314	PM Tube	Photomultiplier tube	POA		FTT SDC
173-1604	Power supply	Power supply unit for smoke density chamber white light (4 V)	POA		FTT SDC
FTT0070	Radiometer	Radiometer assembly	POA		FTT SDC
2750	Sample	Sample frame "A"	POA	To ASTM F814	FTT SDC
2751	Sample	Sample frame "B"	POA	To ASTM F814	FTT SDC
C153-3	Sample	ISO 5659 sample holder pan	POA	See C172-4 for edge frame	ISO 5659
C172-4	Sample	ISO 5659 sample holder edge frame	POA	See C153-3 for specimen pan	ISO 5659
FTT0073	Sample	FAA sample holder assembly (with drip tray and SS support wires)	POA		FTT SDC
K006-3	Sample	Sample holder frame	POA	Outer frame ONLY	FTT SDC
K007-4	Sample	Retaining spring for sample holder	POA		FTT SDC

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K008-4	Sample	Sample retaining rod	POA		FTT SDC
K155-4	Sample	ISO 5659 grid	POA		ISO 5659
K156-4	Sample	Defence standard 61-12 grid	POA		FTT SDC
K158	Sample	Backing block for sample holder	POA		FTT SDC
K198-3	Sample	Sample holder assembly (with drip tray)	POA		FTT SDC
4405	Seal	White blow-out seal (e-section) on chamber	POA	per 10 m length	FTT SDC
4826	Seal	Black blow-out panel seal (on frame)	POA	2.0 m length	FTT SDC
823-623	Seal	ABD 0031 vacuum box seal	POA		FTT SDC
K052-4	Seal	Valve head	POA	Metal plate on upper or lower vent	FTT SDC
K060-4	Seal	Lower/upper vent seal	POA		FTT SDC
K165	Seal	Silicone rubber door seal	POA	per 4 m length	FTT SDC
343 341	Shutter	Rotational Solenoid	POA		ISO 5659
C169-4	Shutter	ISO 5659 shutter ceramic pad	POA		ISO 5659
4364	Solenoid	Lower vent solenoid pull down	POA		FTT SDC
4365	Solenoid	Lower vent solenoid push up	POA		FTT SDC
K058-3	Solenoid	Lower vent exhaust solenoid assembly	POA	Does not include extraction fan	FTT SDC
K200-3	Solenoid	Upper vent inlet solenoid assembly	POA		FTT SDC
4052	Spark	10 kV spark generator unit	POA	With flame detection	FTT SDC
4052	Spark	10 kV spark generator unit	POA	With flame detection	ISO 5659
4043	SRM	Reference material 1006d non-flaming	POA	per test piece	FTT SDC
4044	SRM	Reference material 1007b flaming	POA	per test piece	FTT SDC
K159	SRM	FTT reference material non-flaming (1006 equivalent)	POA	per test piece	FTT SDC
319-433	Switch	Red DPST latching pushbutton switch	POA		FTT SDC
4149	Thermocouple	Thermocouple for ISO 5659 heater	POA	Requires olive (part number 4615). Heater requires two.	ISO 5659
4615	Thermocouple	1.5 mm thermocouple olive and nut	POA		ISO 5659
4820	Thermocouple	Chamber wall thermocouple (chromel/alumel)	POA		FTT SDC
561-460	Thermostat	Wall temperature thermostat	POA		FTT SDC
4074	Toxicity	Hydrogen chloride 50/a drager tubes	POA	10 per pack, max. 5000 ppm	FTT SDC
4076	Toxicity	Acrylonitrile 0.5/a drager tubes	POA	5 per pack, max. 20 ppm	FTT SDC
4078	Toxicity	Formaldehyde 0.2/a drager tubes	POA	10 per pack, max. 5 ppm	FTT SDC

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4080	Toxicity	Phosgene 0.02/a drager tubes	POA	10 per pack, max. 1 ppm	FTT SDC
4081	Toxicity	Phenol 1/b drager tubes	POA	10 per pack, max. 20 ppm	FTT SDC
4083	Toxicity	Hydrogen sulphide 1/d drager tubes	POA	10 per pack, max. 200 ppm	FTT SDC
4213	Toxicity	Sample bags (for toxicity testing)	POA	per box of ten	FTT SDC
4228	Toxicity	ABD0031 1/4-inch polypropylene tubing (30 m length)	POA	30 m reel	FTT SDC
4385	Toxicity	Carbon dioxide 0.1%/a drager tubes	POA	10 per pack, max. 6%	FTT SDC
4386	Toxicity	Sulphur dioxide 20/a drager tubes	POA	10 per pack, max. 200 ppm	FTT SDC
4388	Toxicity	Carbon monoxide 5/c drager tubes	POA	10 per pack, max. 700 ppm	FTT SDC
4389	Toxicity	Hydrogen cyanide 2/a drager tubes	POA	10 per pack, max 30 ppm	FTT SDC
4391	Toxicity	Hydrogen bromide drager tubes	POA	10 per pack, must supply certificate and use HCl tubes	FTT SDC
4391	Toxicity	Hydrogen chloride 1/a drager tubes	POA	10 per pack, max. 10 ppm	FTT SDC
4392	Toxicity	Hydrogen fluoride 1.5/b drager tubes	POA	10 per pack, max. 15 ppm	FTT SDC
4393	Toxicity	Nitrous fumes 2/a drager tubes	POA	10 per pack, max. 100 ppm	FTT SDC
4394	Toxicity	Sulphur dioxide 1/a drager tubes	POA	10 per pack, max 25 ppm	FTT SDC
4395	Toxicity	Ammonia 0.5%/a drager tubes	POA	10 per pack, max 10%	FTT SDC