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nanoLC-Ultra pumps

part number	description
950-00055	NanoLC-Ultra 1D system. Gradient pump for 50-500 nl/min. Max. pressure 10,000 psi. Temperature controlled column compartment. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00056	NanoLC-Ultra 1Dplus system. Gradient pump for 50-500 nl/min and loading pump for 1-30 µl/min. Max. pressure 10,000 psi. Temperature controlled column compartment with one 10 port column switching valve. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00057	NanoLC-Ultra 2D system. Dual Gradient pump: 1-10 µl/min for gradient 1, 50-500 nl/min for gradient 2. Max. pressure 10,000 psi. Temperature controlled column compartment with one 10 port column switching valve. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00058	NanoLC-Ultra 2D system. Dual Gradient pump: 50-500 nl/min for both gradients. Max. pressure 10,000 psi. Temperature controlled column compartment with one 10 port column switching valve. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00059	NanoLC-Ultra 2D system. Dual Gradient pump: 1-10 µl/min for gradient 1, 50-500 nl/min for gradient 2. Max. pressure 10,000 psi. Temperature controlled column compartment with two 10 port column switching valves. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00060	NanoLC-Ultra 2D system. Dual Gradient pump: 50-500 nl/min for both gradients. Max. pressure 10,000 psi. Temperature controlled column compartment with two 10 port column switching valves. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00061	NanoLC-Ultra 2Dplus system. Dual Gradient pump, 50-500 nl/min for both gradients, and loading pump for 1-30 µl/min. Max. pressure 10,000 psi. Temperature controlled column compartment with two 10 port column switching valves. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00065	NanoLC-Ultra 2Dplus system. Dual Gradient pump, 1-10 µl/min for both gradients, and loading pump for 1-30 µl/min. Max. pressure 10,000 psi. Temperature controlled column compartment with two 10 port column switching valves. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00066	NanoLC-Ultra 2Dplus system. Dual Gradient pump, 1-10 µl/min for gradient 1 (Ka=5;Kb=3), 50-500 nl/min for gradient 2, and loading pump for 1-30 µl/min. Max. pressure 10,000 psi. Temperature controlled column compartment with two 10 port column switching valves. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.

nanoLC-Ultra autosampler

part number	description
620-00142	NanoLC-AS2 autosampler. 10,000 psi 6 port injection valve (1/32" connections). Two microtiter plate or 96 sample vials capacity; cooled sample compartment. Installation and training included if ordered as part of a system.

nanoLC pumps

part number	description
950-00020	NanoLC-1Dplus binary gradient pump (flow rate 20-1000 nL/min) with additional isocratic pump for sample loading (1-30 μ L/min). Includes electrically-actuated low dispersion 10-port titanium switching valve. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00001	NanoLC-2D dual binary gradient pump system configured for 1-30 μ L/min flow rate in the first dimension and 20-1000 nL/min flow rate in the second dimension. Includes electrically-actuated low dispersion 10-port titanium switching valve. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00028	NanoLC-2D (nano flow on both channels; channel 1 flow module for water/water, channel 2 flow module for water/acetonitrile) dual binary gradient pump system configured for 20-1000 nL/min flow rate on both channels. Includes electrically-actuated low dispersion 10-port titanium switching valve. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00031	NanoLC-2D (includes mounting hardware for CTC) dual binary gradient pump system configured for 1-30 μ L/min flow rate in the first dimension and 20-1000 nL/min flow rate in the second dimension. Includes electrically-actuated low dispersion 10-port titanium switching valve. Includes mounting hardware for CTC PAL autosampler and 6 port titanium injection valve with injection port/bracket. Includes NanoLC start-up kit (p/n 801-00043) and Eksigent control software. Installation and training included; does not include a computer.
950-00008	4-Channel Nano Flow Metering system. 4 Independently controlled isocratic pumps. Standard flow rate range is 20-1000 nL/min; other flow rates available on request. Installation and training included; does not include a computer.

nanoLC autosampler

part number	description
900-00002	NanoLC-AS1 temperature controlled autosampler. Includes low dispersion 6-port titanium injection valve. Installation and training included if ordered as part of a system.

nanoLC-UV detector

part number	description
930-00037	Knauer Smartline 2500 variable wavelength detector with 5 nl flow cell . Installation and training included if ordered as part of a system.
930-00031	Knauer Smartline 2500 variable wavelength detector. Does not include flow cell. Installation and training included if ordered as part of a system.
930-00030	5 nl flow cell for Knauer Smartline 2500 detector

cHiPLC-nanoflex

part number	description
950-00070	cHiPLC nanoflex system. For max. 3 cHiPLC jumper or column chips. Includes 10 port valve and temperature control for two chips. One cHiPLC column and two traps are included. Installation and training included if ordered as part of a system; does not include a computer.

ekspot MALDI spotter

part number	description
950-00040	Ekspot MALDI spotter for Nano/Capillary LC. Capacity of four microtiterplate format MALDI targets (ABSCIEX 4800/5800 or Bruker Anchorchip) or 8 ABSCIEX 4700/Waters targets. Includes matrix delivery pump. Control is integrated in the (included) Eksigent control software. Adapters for MALDI plates (4 required) are not included. Installation and training included if ordered as part of a system; does not include a computer.
950-00091	Ekspot MALDI spotter for Nano/Capillary LC. Capacity of four microtiterplate format MALDI targets . Includes matrix delivery pump. Control is integrated in the (included) Eksigent control software. Adapters for 4 ABSCIEX 4800/5800 MALDI targets included. Installation and training included if ordered as part of a system; does not include a computer.
950-00047	Ekspot MALDI spotter for Nano/Capillary LC. Capacity of eight microtiterplate format MALDI targets (ABSCIEX 4800/5800 or Bruker Anchorchip) or 16 ABSCIEX 4700/Waters targets. Includes matrix delivery pump. Control is integrated in the (included) Eksigent control software. Adapters for MALDI plates (8 required) are not included. Installation and training included if ordered as part of a system; does not include a computer.
620-00134	Adapter for two ABSCIEX 4700/Voyager targets
800-00250	Adapter for one ABSCIEX 4800/5800 target
620-00136	Adapter for one Bruker Anchorchip 384 MT
620-00119	Adapter for two Waters 96/384 Targets
500-00496	Adapter for Thermo MALDI targets

accessories and consumables - nanospray adapter and spray tips

part number	description
910-00051	Nano spray tip 360/20 µm ID/OD; 10 µm tip; 5/pkg
910-00052	Nano spray tip 360/20 µm ID/OD; 10 µm tip; 20/pkg
800-00448	50 µm ID union with adapter for Proxeon Nanospray Source
800-00422	50 µm ID union for New Objective nanospray source; includes 5 New Objective nanospray tips
910-00112	50 µm ID union with adapter for AB SCIEX Nanospray III; includes 5 New Objective nanospray tips
200-00407	50 µm ID replacement union for nanospray
200-00408	Valco Nut/Ferrule,PEEK, for 360 µm fused silica tubing

accessories and consumables - nanoLC-Ultra

part number	description
800-00208	Peptide standard (5 peptides; 1 µg each)
801-00093	accessory kit nanoLC Ultra
801-00063	Flow rate calibration kit nanoLC-Ultra for 1 - 30 µL/min flow rate
801-00064	Flow rate calibration kit nanoLC-Ultra for 50 - 1000 nL/min flow rate
200-00339	1/32" plug
200-00418	1/32" PEEK one piece fitting
910-00085	1/32" nut (long) 10/pkg
910-00086	1/32" nut (short) 10/pkg
910-00087	1/32" ferule 10/pkg
910-00088	1/32" sleeve for 365 µm OD fused silica capillary 10/pkg
200-00301	1/32" SS union with short nuts and ferules
200-00319	1/32 Microtight union (includes fittings)
910-00089	1/32 Microtight fitting 10/pkg
205-00048	20 µm ID /1/32" OD x 75 cm PEEKSil tubing (black)
205-00052	20 µm ID /1/32" OD x 15 cm PEEKSil tubing (black)
205-00049	50 µm ID /1/32" OD x 75 cm PEEKSil tubing (natural)
200-00329	Mobile Phase filter
910-00090	1/8 " Super Flangeless nut 10/pkg
910-00091	1/8 " Super Flangeless ferule10/pkg

accessories and consumables - nanoLC-Ultra AS-2 autosampler

part number	description
200-00334	rotor for 1/32" 6 port injection valve (10,000 psi)
620-00149	Tubing set 1/32" Valco, AS-2 (0845.332)
801-00090	PM Kit AS-2, Includes needle, syringe and rotor
620-00064	Syringe 25 µL for AS-1 and AS-2
910-00081	PEEKsil sample loop 1 µL, 1/32" OD
910-00108	PEEKsil sample loop 5 µL, 1/32" OD
910-00082	PEEKsil sample loop 10 µL, 1/32" OD
910-00083	PEEKsil sample loop 20 µL, 1/32" OD
620-00147	air needle 62 mm
620-00196	air needle 80 mm
620-00148	sample needle 2.4 µL
200-00381	replacement union for sample needle 2.4 µL
620-00152	12 vial adapter
620-00153	48 vial adapter
910-00104	11 mm PP 250 µL vial (100/pkg)
910-00103	11 mm snap cap with slit septum (100/pkg)
910-00096	11 mm PP 250 µL vial + snap cap with slit septum (20/pkg)

accessories and consumables - nanoLC

part number	description
930-00026	1 port USB to serial converter
930-00028	2 port USB to serial converter
800-00039	Injection valve mounting kit for use with CTC PAL autosampler. Includes valve mounting bracket and injection port assembly. Does <u>not</u> include injection valve; please order injection valve separately, or order NanoLC system with injection valve. Mounting of CTC on top of 2D pump requires 2D chassis modifications and additional brackets.
800-00454	Injection valve mounting kit for use with CTC PAL autosampler. Includes 1/32" 10,000 psi injection valve, mounting bracket and injection port assembly.
200-00159	Replacement rotor for Titanium 10-port valve
200-00211	Replacement rotor for PAEK 10-port valve
800-00006	Accessories kit for 1D. Includes calibration kit, syringe, fittings, capillary tubing and cables.
801-00001	Accessories kit for 1Dplus and 2D. Includes mobile phase reservoirs, calibration kits, priming tool and syringe, fittings, capillary tubing and cables.
801-00002	Flow rate calibration kit with 20 µL calibrated pipettes (10) for 1 - 30 µL/min flow rate
801-00020	Replacement calibration pipettes, 20 µL, for 1-30 µL/min, 10/pkg
801-00006	Flow rate calibration kit with 5 µL calibration pipettes (5) for 50 - 1000 nL/min flow rate
910-00006	Obsolete. Replaced by p/n 801-00006
910-00007	Replacement calibration pipettes, 5 µL, for 50 - 1000 nL/min, 10/pkg
801-00003	Pump priming tool kit, includes 10 mL syringe
200-00033	10 ml syringe

200-00096	Fused Silica Cutter
910-00020	Fitting, FingerTight, 1/16", PEEK, 10/pkg
910-00021	Fitting, hex, 1/16", SS, 0.43" long, 10/pkg
920-00006	PEEK hex nut, 10/pkg
910-00023	Ferrule, 1/16", PEEK, 10/pkg
910-00026	Ferrule, 1/16", SS, 10/pkg (200-00018)
920-00004	Fitting, hex, 1/16", SS, 3/4" long, 10/pkg
920-00005	Fitting, hex, 1/16", PEEK, 3/4" long, 10/pkg
920-00008	Sleeve, FEP, green, 395 mm ID, 1/16" OD, 10/pkg
910-00022	Fitting, MicroTight, 0.025", PEEK, 10/pkg
920-00002	Ferrule, MicroTight, for 0.025", 10/pkg
200-00089	10-32 LiteTouch fitting for 1/16" OD tubing
200-00002	MicroTight union, PEEK (for connection of flow modules)
200-00037	MicroTight adapter union 10-32 1/16" to 6-32 for 0.025" sleeves
200-00072	MicroTight True ZDV union for 0.025" MicroTight Sleeves, PEEK
200-00044	Plug, MicroTight, PEEK, black
920-00003	Nut, female, MicroTight, 10/pkg
910-00043	Sleeve, PEEK, yellow, 180 µm ID, 0.025" OD, 10/pkg
910-00024	Sleeve, PEEK, orange, 405 µm ID, 1/16" OD, 10/pkg
910-00025	Sleeve, PEEK, green, 395 µm ID, 0.025" OD, 10/pkg
200-00138	Mixing tee ferrule for 365 µm OD capillary, 1/pkg
910-00002	Capillary tubing, 360 µm OD, 50 µm ID, 2 m
910-00008	Capillary tubing, 360 µm OD, 25 µm ID, 2 m
910-00109	Capillary tubing, 360 µm OD, 75 µm ID, 2 m
910-00046	Capillary tubing, 360 µm OD, 100 µm ID, 2 m

accessories and consumables - nanoLC AS-1 autosampler

part number	description
620-00165	Adapter for micro-titerplates
801-00007	Conversion kit NanoLC autosampler for large volume injections. Includes 100 µl syringe, 5.4 µl fused silica needle, 500 µl buffer tubing and 50 µl PEEK loop
801-00037	Re-installation Kit for AS-1 with titanium valve. Includes Eksigent Firmware (620-00034), valve stator (200-00131), rotor (200-00160), syringe (620-00064), pre-puncture needle (620-00021), sample needle (800-00044), buffer tubing (800-00064), 10 µl sample loop (620-00039), P1-output (800-00060) and P6-input (800-00059) cables.
801-00038	Re-installation Kit for PAEK AS-1 with PAEK valve. Includes Eksigent Firmware (620-00034), valve stator (200-00048), rotor (200-00057), syringe (620-00064), pre-puncture needle (620-00021), sample needle (800-00044), buffer tubing (800-00064), 10 µl sample loop (620-00039), P1-output (800-00060) and P6-input (800-00059) cables.
200-00160	Replacement rotor for Titanium 6-port valve
200-00047	Replacement rotor for 6 port PEAK injection valve (0.25 mm)
620-00021	Air/pre-puncturing needle
800-00044	Fused silica needle 2.4 µL Bio
620-00139	Peeksil needle 2.4 µL
800-00045	Fused silica needle 5.4 µL Bio
200-00061	PEEK sample loop, 2µL, 1/16" OD
200-00092	PEEK sample loop, 5 µL, 1/16" OD
200-00164	PEEK sample loop, 10 µL, 1/16" OD
200-00093	PEEK sample loop, 20 µL, 1/16" OD
200-00063	PEEK sample loop, 50µL, 1/16" OD
200-00208	PEEKSil sample loop, 1 µL, 1/16" OD
620-00039	PEEKSil sample loop, 10 µL, 1/16" OD
620-00064	Syringe 25 µL for AS-1 and AS-2
620-00140	Teflon seal between syringe and syringe valve
910-00045	Replacement tip for 25 µL syringe, 5/pkg
620-00065	Syringe 100 µL
910-00077	10 ml reagent vial 10/pkg
800-00063	Buffer tubing, 500 µL
800-00064	Buffer tubing, 50 µL

accessories and consumables - cHiPLC nanoflex

part number	description
800-00447	Nanoflex shelf
801-00078	Accessory Kit, cHiPLC-Nanoflex
700-00063	External Cable, Nanoflex to Ultra Nano
700-00064	External Cable, Nanoflex to NanoLC (legacy)
200-00386	Filter holder between pump and autosampler
910-00098	Filter element for filter between pump and autosampler (10/pkg)
910-00097	Fitting for valve nanoflex (10/pkg)
910-00111	1/32" PEEK nut and ferrule for Nanoflex C2N valve (10 pack)
910-00099	No longer available; replaced with p/n 910-00110
910-00110	1/32" OD sleeve for 180 µm OD tubing (200-00422; 10/pkg)
910-00100	0.025" OD sleeve for 180µm OD tubing (910-00043; 10/pkg)
200-00427	rotor for Nanoflex C2N valve
100-00593	Hex key driver for nanoflex

accessories and consumables - ekspot MALDI spotter

part number	description
620-00135	Obsolete, replaced with p/n 620-00134
620-00143	Two drawer stack. Holds four microtiterplate format MALDI targets or microtiterplates (standard or deep well)
620-00146	Cooled two drawer stack. Holds four microtiterplate format MALDI targets or microtiterplates (standard or deep well)
620-00138	Four drawer stack. Holds 8 microtiterplate format MALDI targets.
910-00061	50 µl syringe
200-00273	100 µl syringe
200-00274	250 µl syringe
801-00050	Accessory kit ekspot. Includes spotting tips, support needles, fittings and tubing
801-00052	Spotting tip 25 µm i.d. /360 µm o.d.
200-00265	Steel support needle
200-00271	FEP Dual Sleeve for Upchurch Y-connector
200-00008	FEP Sleeve
200-00266	Upchurch Y-connector
200-00259	Frit with Ferrule for Y-connector
200-00270	Ferrule for Y-connector
800-00071	Matrix bottle (4 ml)
801-00051	Waste vial (20 ml) with septum
611-00043	User manual for ekspot MALDI spotter

columns - nanoLC

part number	description
801-00053	NanoLC start-up kit 1D. Includes 1x column, 5 µm, ProteoPep II C18, 15 cm x 75 µm (p/n 910-00062); 5x nano spray tip 360/20 µm ID/OD, 10 µm tip (p/n 910-00051) and 2x peptide standard (p/n 800-00208)
801-00043	NanoLC start-up kit 1Dplus. and 2D. Includes 1x column, 5 µm, ProteoPep II C18, 15 cm x 75 µm (p/n 910-00062); 1x trap column holder (p/n 910-00053); 2x trap column 5 µm, ProteoPep II C18, 2.5 cm x 100 µm (p/n 910-00049); 5x nano spray tip 360/20 µm ID/OD, 10 µm tip (p/n 910-00051) and 2x peptide standard (p/n 800-00208)
910-00013	NanoLC column, 5 µm, ProteoPep II C18, 5 cm x 75 µm
910-00014	NanoLC column, 5 µm, ProteoPep II C18, 10 cm x 75 µm
910-00062	NanoLC column, 5 µm, ProteoPep II C18, 15 cm x 75 µm
910-00015	NanoLC column, 5 µm, ProteoPep II C18, 5 cm x 100 µm
910-00016	NanoLC column, 5 µm, ProteoPep II C18, 10 cm x 100 µm
910-00053	NanoLC trap column holder
200-00221	PEEK capsule union, no filter for trap column holder
910-00049	NanoLC trap column, 5 µm, ProteoPep II C18, 2.5 cm x 100 µm; <i>requires holder p/n 910-00053</i>
910-00050	NanoLC trap column, 5 µm, ProteoPep II C18, 2.5 cm x 100 µm, 3/pkg; <i>requires holder p/n 910-00053</i>

columns - cHiPLC nanoflex

part number	description
800-00408	Direct injection jumper chip
800-00389	Trap-elute jumper chip
800-00421	Dual column jumper chip
804-00001	Nano cHiPLC column 75 µm x 15 cm ChromXP C18-CL 3 µm 120 Å
804-00003	Nano cHiPLC column 75 µm x 15 cm ChromXP C18-CL 3 µm 300 Å
804-00002	Nano cHiPLC column 75 µm x 15 cm ChromXP C18-CL 5 µm 120 Å
804-00004	Nano cHiPLC column 75 µm x 15 cm ChromXP C18-CL 5 µm 300 Å
804-00011	Nano cHiPLC column 75 µm x 15 cm ReproSil-Pur C18-AQ 3 µm 120 Å
804-00005	Nano cHiPLC column 75 µm x 15 cm ChromXP C8-CL 3 µm 120 Å
804-00018	Nano cHiPLC column 75 µm x 15 cm ChromXP C4-CL 5 µm 300 Å
804-00020	Nano cHiPLC column 75 µm x 15 cm Graphitized Carbon 3 µm 250 Å
804-00006	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C18-CL 3 µm 120 Å
804-00008	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C18-CL 3µm 300 Å
804-00007	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C18-CL 5 µm 120 Å
804-00009	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C18-CL 5 µm 300 Å
804-00016	Nano cHiPLC Trap column 200 µm x 0.5 mm ReproSil-Pur C18-AQ 3 µm 120 Å
804-00010	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C8-CL 3 µm 120 Å
804-00019	Nano cHiPLC Trap column 200 µm x 0.5 mm ChromXP C4-CL 5 µm 300 Å
804-00021	Nano cHiPLC Trap column 200 µm x 0.5 mm Graphitized Carbon 3 µm 250 Å

spare parts - nanoLC-ultra

part number	description
801-00091	PM Kit NanoLC-Ultra, includes high pressure filters and 10 port valve rotors
800-00271	flow module holder for encapsulated flow modules; complete
800-00378	standard encapsulated flow module 50-500 nl/min (Ka= 0.185, Kb=0.11); may require p/n 800-00271 on units shipped before October '08; contact Eksigent with unit s/n before ordering
800-00396	encapsulated flow module 300-3000 nl/min (Ka= 1, Kb=0.6); may require p/n 800-00271 on units shipped before October '08; contact Eksigent with unit s/n before ordering
800-00379	standard encapsulated flow module 1-10 µl/min (Ka= 5, Kb=5); may require p/n 800-00271 on units shipped before October '08; contact Eksigent with unit s/n before ordering
800-00380	encapsulated flow module 1-10 µl/min (Ka= 5, Kb=3); may require p/n 800-00271 on units shipped before October '08; contact Eksigent with unit s/n before ordering
800-00294	obsolete, replaced by 800-00378
800-00295	obsolete, replaced by 800-00379
800-00350	obsolete, replaced by 800-00379
800-00355	obsolete, replaced by 800-00380
800-00290	standard flow module loading pump 1-30 µl/min (K=10)
205-00038	50 µm ID /1/32" OD x 15 cm PEEKSil tubing (natural)
205-00039	50 µm ID /1/32" OD x 20 cm PEEKSil tubing (natural)
205-00040	50 µm ID /1/32" OD x 30 cm PEEKSil tubing (natural)
205-00041	50 µm ID /1/32" OD x 50 cm PEEKSil tubing (natural)
205-00042	100 µm ID /1/32" OD x 75 cm PEEKSil tubing (red)
205-00043	100 µm ID /1/32" OD x 20 cm PEEKSil tubing (red)
205-00044	100 µm ID /1/32" OD x 30 cm PEEKSil tubing (red)
200-00075	0.02" ID/1/16" OD x 4" SS tubing
200-00076	0.02" ID/1/16" OD x 5 1/4" SS tubing
200-00024	0.02" ID/1/16" OD x 8" SS tubing
800-00204	obsolete; replaced by 800-00418 or 800-00419
800-00418	purge valve for A pump
800-00419	purge valve for loading pump or B pump
5015148	pump prime valve rebuild kit (includes pump seal) for single pump
5015149	pump prime valve seal kit (includes pump seal) for single pump
200-00302	1/16" to 1/32" reducing adapter SS
200-00303	1/16" to 1/32" reducing union SS
200-00316	1/32" mixing T
800-00310	EP controller
400-00448	pressure transducer Pc (14,000 psi)
400-00424	pressure transducer Pa/Pb (14,000 psi)
800-00205	solenoid manifold gradient pump
800-00289	solenoid manifold loading pump
100-00361	elbow air fitting
800-00268	pump sled gradient complete gradient 1
800-00323	pump sled gradient complete gradient 2

800-00269	pump sled loading pump complete
800-00411	gradient pump
800-00412	loading pump
800-00277	hub PCB
800-00278	pump PCB
800-00279	front panel junction PCB
800-00280	gradient junction PCB
800-00281	isocratic junction PCB
800-00283	TEC controller PCB
400-00462	Rear panel fan--NanoLC-Ultra
100-00478	Fan guard for rear panel fan--NanoLC-Ultra
801-00066	check valve rebuild kit
200-00331	obsolete; replaced by 200-00322
200-00322	high pressure filter holder complete with filter
300-00058	solvent bottle 100 ml
300-00057	solvent bottle 250 ml
801-00067	Solvent bottle, 250ml with Drilled Gray Cap
200-00332	rotor for 10,000 psi 10 port valve (1/32" ports)
200-00333	obsolete; replaced with p/n 200-00412
200-00412	10,000 psi 10 port valve (1/32" ports) (does <u>not</u> include actuator)
200-00320	FEP waste tubing 1/32" x 0.003" x 5 ft
611-00065	user manual
801-00076	standard column holder (2 required)
800-00382	column holder for two Eksigent columns (1/8") (2 required)
800-00293	power supply
700-00020	Cable, Power, PS to Instrument, nanoLC Ultra

spare parts - nanoLC-Ultra AS-2 autosampler

part number	description
620-00150	Syringe valve including valve bush, AS-2 (0840.712)
620-00151	Wash bottle 250 mL rectangular, AS-2 (0840.715)
200-00335	1/32" 6 port injection valve (10,000 psi)
620-00167	Injection valve module/ without valve, AS-2 (0840.301)
620-00168	Dispenser module, AS-2 (0840.302)
620-00169	Tray drive module, AS-2 (0840.310)
620-00170	Piggy back cooler, AS-2 (0840.602)
620-00171	Wash position incl. screws, AS-2 (0840.711)
620-00172	Sineas mainboard configured Eksigent, AS-2 (0845.711)
620-00173	Belt 824 MXL 012, AS-2 (2033.082)
620-00174	Belt 2712 MXL 012, AS-2 (2033.004)
620-00175	Belt 600 MXL 025, AS-2 (2033.59)
620-00176	Belt 824 MXL 025, AS-2 (2033.084)
620-00177	Pully PLA 20 MXL 025 / 6F-1/4in, AS-2 (2034.006)
620-00178	Cooler module, AS-2 (2500.200)
620-00179	Power supply 200W-24V, AS-2 (2524.826)
620-00180	Optical sensor TLP1253, AS-2 (2562.364)
620-00181	Stepper motor KH42HM2B155 (Tray drive), AS-2 (2613.217)
620-00182	Stepper motor KH56JM2U078 (Syringe drive spindle), AS-2 (2613.218)
620-00183	Stepper motor KH56JM2U079 (Syringe drive valve), AS-2 (2613.219)
620-00184	Stepper motor KH56JM24080 (Needle drive), AS-2 (2613.220)
620-00185	Fuse 2.5 A, AS-2 (2655.250)
620-00186	Fuse 6.3 A, AS-2 (2655.501)
620-00166	Needle module, AS-2 (0840.305)

spare parts - nanoLC

part number	description
801-00085	Preventive Maintenance kit nanoLC. Includes check valves; filters and replacement rotor for Ti 10 port valve
100-00041	Fitting, quick release air supply, 1/4" connection
800-00002	Pump assembly, NanoLC-1D, single pump (does not include EP controller)
800-00011	Pump assembly, NanoLC-2D/1Dplus, dual pump (includes Tekno EP controller)
800-00164	Pump assembly, NanoLC-1Dplus, single pump (includes Tekno EP controller)
800-00179	Pump assembly, NanoLC-2D/1Dplus, dual pump (includes Eksigent EP controller). Requires 800-00048 when replacing a pump with Tekno EP controllers.
800-00179R	Refurbished pump assembly, NanoLC-2D/1Dplus, dual pump (includes Eksigent EP controller). \$1,000 credit will be applied upon receiving a dual pump with Eksigent EP controllers; \$500.- credit will be applied upon receiving a dual pump with Tekno EP controllers.
800-00183	Pump assembly, NanoLC-1Dplus, single pump (includes Eksigent EP controller)
800-00183R	Refurbished pump assembly, NanoLC-1Dplus, single pump (includes Eksigent EP controller). \$500 credit will be applied upon receiving a single pump with Eksigent EP controllers; \$250.- credit will be applied upon receiving a single pump with Tekno EP controllers.
920-00024	Ribbon cable for pump 1D
920-00019	Ribbon cable for pump
920-00025	Upgrade kit low gas consumption controllers 1Dplus
920-00026	Upgrade kit low gas consumption controllers 2D
920-00027	Electro-pneumatic flow controller assembly, Eksigent
400-00004	Electro-pneumatic flow controller assembly, Marsh-Bellofram, for NanoLC-1D
400-00084	Electro-pneumatic flow controller assembly, Tekno
920-00017	Pneumatic Solenoid with booster
800-00005	2 solenoid air valve assembly (1D)
800-00118	3 solenoid air valve assembly (1Dplus)
800-00040	4 solenoid air valve assembly (2D)
800-00232	Manifold assembly air (2D)
800-00085	System control PCB assembly, NanoLC-1D
800-00154	System and valve control PCB assembly, NanoLC-1Dplus & NanoLC-2D
800-00251	System and valve control PCB assembly, NanoLC-1Dplus & NanoLC-2D; firmware version 2.39
200-00054	Air-actuated purge valve assembly
920-00013	Pump check valve kit, 1 required per pump
920-00014	Pump seal kit, 1 required per pump
300-00033	Piston wash line, green, polyethylene, 36"
400-00003	Optical stroke sensor for 1D
400-00098	Optical Stroke sensor for 1Dplus/2D
200-00001	Mobile phase loading valve (stainless steel) (1D)
200-00013	Mobile phase storage loop, 2 mL
200-00038	Mobile phase storage loop, 5 mL
200-00020	Internal pump filter element (0.5 µm)
910-00044	Internal pump filter element, pkg of 10
200-00032	Internal pump filter holder and filter element (0.5 µm)
200-00048	Replacement stator 6 port PEAK injection valve (0.25 mm)
200-00057	Replacement 6 port PEEK valve (0.25 mm)

200-00003	Sample injection valve, automatic, 6-port PAEK (0.25 mm), with air actuator
200-00058	Syringe adapter fill port, PEEK, NanoLC-1D injection valve
200-00074	Syringe adapter fill port, SS, NanoLC-2D injection valves
200-00293	10 port valve, titanium with coated stator
800-00266	10 port valve, titanium with coated stator, with actuator, controller with manual control buttons, bracket, cable, and power supply
800-00254	10 port valve, titanium with coated stator, with actuator, controller, bracket and cable
200-00295	Valco EPROM, EP Hight Torque
800-00125	Obsolete, replaced with p/n 800-00254
800-00198	10-port valve, PAEK stator, with actuator, controller, bracket and cable
200-00084	Manual 6 port valve, titanium
800-00153	6-port valve, titanium, with actuator, controller with manual control buttons, bracket, cable, and power supply
200-00314	6-port valve, titanium (valve only)
200-00112	injection port filter 0.5 μ m SS for 1D injection valve
200-00130	Obsolete. Please replace complete valve (p/n 200-00293)
200-00212	Replacement stator for PAEK 10-port valve
200-00131	Replacement stator for Titanium 6-port valve
200-00163	Microelectric valve actuator (no valve)
200-00218	Valco controller module for 10 port valve
200-00004	mixing tee with fittings and ferrules
300-00000	Solvent waste/seal wash bottle, 250 mL
300-00009	Filter assembly for water bottle (1D)
300-00017	Piston seal wash pump (1Dplus/2D)
920-00016	Pressure transducer, 5000 psi, Pa/Pb, NanoLC-1D
920-00015	Pressure transducer, 5000 psi, Pc, NanoLC-1D
400-00160	Pressure transducer, 6000 psi, Pa/Pb, NanoLC-1Dplus & NanoLC-2D
400-00161	Pressure transducer, 6000 psi, Pc, NanoLC-1Dplus, NanoLC-2D and ExpressLC-100 (0.2V off-set)
920-00018	Pressure transducer ribbon cable, nanoLC 1Dplus, 2D and ExpressLC-100
800-00048	Pressure transducer junction PCB
800-00046	Pump junction PCB
500-00000	Bracket for externally mounted sample injection valve, NanoLC-1DV
500-00171	Bracket for valve with microelectronic actuator
500-00181	Mounting adapter for valve bracket, NanoLC-1Dplus
400-00010	Power supply, 100 - 240VAC /1.0A, output 24VDC /1.3A, NanoLC-1D
400-00104	Power supply, input 100 - 240VAC /3A, output 24VDC /4A, NanoLC-1Dplus, NanoLC-2D and ExpressLC100
620-00060	Power cable, North America
400-00078	Power cable, European
920-00020	1.25 A fuses 5/pkg
800-00020	Flow meter module, standard for NanoLC-1D
800-00038	Flow meter module for 500 nL/min max flow
800-00223	Flow meter module 1Dplus channel 2, 1-20 μ L/min (Ka = 11.2, Kb=5.6)
800-00050	Flow module, 30 μ L/min max flow, aqueous fluids on channel 1A and 1B, NanoLC-2D
800-00054	Flow meter module, standard for NanoLC-2D channel 1A and 1B
800-00210	Flow meter module, NanoLC-2D channel 1A and 1B (Ka = 2.5, Kb=1)

800-00055	Flow meter module, standard for NanoLC-2D channel 2A and 2B (Ka=1, Kb=0.4)
800-00169	Flow meter module for NanoLC-2D channel 1A and 1B (Ka=1, Kb=1)
800-00171	Flow meter module for NanoLC-2D channel 1A and 1B (Ka=1, Kb=0.4)
800-00305	Flow meter module, 50-500 nl/min, for NanoLC-2D channel 2A and 2B (Ka=0.5, Kb=0.2)
800-00214	Flow meter module, microflow (water/acetonitrile) for NanoLC-2D channel 1A and 1B (Ka = 11.2, Kb=5.6)
800-00215	Flow meter module, microflow (water/acetonitrile) for NanoLC-2D channel 2A and 2B (Ka = 11.2, Kb=5.6)
800-00076	Flow meter module, standard for NanoLC-1Dplus channel 2A and 2B (Ka = 1, Kb=0.4)
800-00077	Flow meter module, standard for NanoLC-1Dplus channel 1
920-00086	Flow meter module for 30 µL/min max flow rate
800-00195	Flow meter for loading channel 1Dplus for 1 µL/min max flow rate
800-00322	Flow meter module, nano flow metering system; 50 µl/min water
920-00023	Replacement thermal control flow module 1Dplus
920-00022	Replacement thermal control flow module 2D
910-00066	Replacement capillaries kit 1Dplus. Includes all SS/fused silica capillaries used in a 1Dplus, with fittings.
910-00067	Replacement capillaries kit 2D. Includes all SS and fused silica capillaries used in a 2D, with necessary fittings.
910-00063	Replacement capillaries kit 1Dplus. Includes all SS capillaries used in a 1Dplus, with necessary fittings.
910-00064	Replacement capillaries kit 2D. Includes all SS capillaries used in a 2D, with necessary fittings.
800-00058	Waste reservoir clamp and thumbscrew
100-00044	T-fitting, SS, 3/16" tubing (1D)
100-00236	3/16" OD Teflon tubing , 5' (1D)
200-00000	Bulkhead union, SS, 10-32 (1D)
200-00010	Adapter, 1/16" SS to 1/4" NPT (1D)
100-00003	Bulkhead, Air, 1/8 NPT (F) - 3/16 Tube
100-00018	Fitting, Tube, ELL 3/16 Tube - 1/8 NPT (M)
800-00105	Solvent reservoir, 50 mL, clear
800-00141	Solvent reservoir, 50 mL, amber
910-00079	O-ring for solvent reservoir (2 each)
910-00084	O-ring for solvent reservoir valve (2 each)
500-00200	Tray mobile phase 1Dplus
500-00148	Tray mobile phase 2D channel 1
500-00170	Tray mobile phase 2D channel 2
500-00180	Reservoir Guard for NanoLC-1Dplus
500-00168	Reservoir Guard for NanoLC-2D
800-00200	Connector, 12-pin electrical, I/O, green
400-00196	Connector, 4-pin electrical, switching valve, green
400-00106	Serial cable for instrument control and data collection
800-00056	External control synchronization cable
910-00001	Line, air supply, 25', 1/4"
300-00007	Internal air line, black, polyethylene, 18"
920-00088	Luer-lock fitting for mobile phase valve (set of 2) (1D)
611-00012	User manual for nanoLC 1Dplus and 2D

spare parts - nanoLC AS-1 autosampler

part number	description
801-00044	PM kit for AS-1 with Titanium valve. Includes pre-puncturing needle, fused silica needle, 25 µl syringe and rotor
801-00045	PM kit for AS-1 with PAEK valve. Includes pre-puncturing needle, fused silica needle, 25 µl syringe and rotor
620-00000	Connection for condensation/waste tubing
620-00001	Needle wash insert vial
620-00002	Needle body
620-00003	Transport Nut M5
620-00004	Tray gearwheel
620-00005	Wash bottle bracket
620-00006	Flat panel keyboard
620-00007	Multi-Link Interface PCB
620-00008	Seal ring M5 (10/pkg)
620-00009	Injection valve assembly, Valco µ-Bio
620-00010	Syringe dispenser assembly
620-00133	Replacement spindle for dispenser assembly
620-00012	Membrane pump assembly
620-00013	Tray drive PCB
620-00014	Syringe dispenser PCB
620-00015	Flex PCB
620-00016	Valve unit PCB incl. ISS/SSV
620-00017	I/O PCB
620-00018	Peltier PCB
620-00019	Back panel I/O connector PCB
620-00189	AS-1 LCD display
620-00195	AS-1 display connection PCB
620-00020	Syringe waste tubing
620-00022	Spindle assembly
620-00023	Sample needle motor assembly
620-00024	Vial stripper assembly
620-00025	Pulley assembly
620-00026	Stretching block assembly
620-00027	Wash solvent vial with cap and screws
620-00028	Replacement stepper motor 2.2A
620-00029	Rubber foot kit, 6 pieces
620-00030	Replacement stepper motor 1.05A
620-00031	Temp sensor assembly
620-00032	Flex PCB including sample needle motor
620-00033	Injection marker cable
620-00034	EPROM Micro Endurance
620-00035	Needle unit assembly
620-00036	Needle holder assembly

620-00037	Tray drive motor assembly
620-00038	Plate holder assembly COOL
620-00040	Needle unit PCB
620-00041	Replacement Peltier assembly
620-00042	CPU-Bus PCB, including firmware and EPLD
620-00043	Shipping box, including inserts
620-00044	Valco C2-1346 SPHT micro Bio
620-00045	Geared belt 91.2 mxl
620-00046	Geared belt 760 mxl 025
620-00047	Geared belt 1920 mxl 012
620-00048	Geared belt 520 mxl 025
620-00049	Pulley 18 mxl 025 6F-5
620-00051	Pulley PLB 72 mxl 025 6WSF-5
620-00052	Belt 25.0 x 1.2
620-00053	Syringe valve #5-4 hos and #5
620-00054	RAM battery back-up MK48Z58
620-00055	RAM battery back-up MK48T58
620-00056	Line voltage selector/filter
620-00057	Opto-interrupter
620-00058	Bridge rectifier
620-00059	Power cable Europe
620-00060	Power cable, North America
620-00061	12V DC motor including gearbox
620-00062	Ringcore transformer 2x120v 30v
620-00063	Fan Papst 614
620-00072	48 vial adapter
800-00059	NanoLC-AS1 P6 input cable
800-00060	NanoLC-AS1 P1 output cable

spare parts - cHiPLC-Nanoflex

part number	description
800-00402	Assy, Tray, Column, w/Heater, Nanoflex
800-00401	Assy, Tray, Trap, w/Heater, Nanoflex
800-00400	Assy, Tray, Jumper, wo/Heater, Nanoflex
200-00449	C2N valve for Nanoflex
800-00416	main PCB board Nanoflex
800-00415	heater board Nanoflex

spare parts - eksport MALDI spotter

part number	description
200-00272	3 Way valve for syringe pump
800-00248	Syringe pump complete including 3 way valve
400-00385	Power supply for syringe pump

systems - ExpressHT-Ultra

part number	description
950-00067	ExpressHT-Ultra system consisting of a binary gradient pumping system configured for 20-200 uL/min flow rate, remotely mounted column oven, electrically-actuated low dispersion 6-port injection valve, and HTC PAL autosampler with a six plate cooled sample hotel and active wash station. Includes Eksigent control software. Installation and training included; does not include a computer.
950-00092	ExpressHT-Ultra system consisting of a binary gradient pumping system configured for 20-200 uL/min flow rate, remotely mounted column oven, electrically-actuated low dispersion 6-port injection valve, and HTC PAL autosampler with a six plate cooled sample hotel and active wash station. Includes Eksigent control software and MS interface kit for ABSCIEX MS. Installation and training included; does not include a computer.
950-00076	ExpressHT-Ultra system consisting of a binary gradient pumping system configured for 5-50 uL/min flow rate, remotely mounted column oven, electrically-actuated low dispersion 6-port injection valve, and HTC PAL autosampler with a six plate cooled sample hotel and active wash station. Includes Eksigent control software. Installation and training included; does not include a computer.
950-00093	ExpressHT-Ultra system consisting of a binary gradient pumping system configured for 5-50 uL/min flow rate, remotely mounted column oven, electrically-actuated low dispersion 6-port injection valve, and HTC PAL autosampler with a six plate cooled sample hotel and active wash station. Includes Eksigent control software and MS interface kit for ABSCIEX MS. Installation and training included; does not include a computer.

pumps - ExpressHT-Ultra

part number	description
950-00073	ExpressHT-Ultra binary gradient pump configured for 20-200 uL/min flow rate. Includes remotely mounted column oven, electrically-actuated low dispersion 6-port injection valve, active wash station and mounting brackets for CTC three drawer cooled sample hotel. Includes Eksigent control software. Installation and training included; does not include a computer.
950-00075	ExpressHT-Ultra binary gradient pump configured for 5-50 uL/min flow rate. Includes remotely mounted column oven, electrically-actuated low dispersion 6-port injection valve, active wash station and mounting brackets for CTC three drawer cooled sample hotel. Includes Eksigent control software. Installation and training included; does not include a computer.

CTC-PAL Autosampler ExpressHT-Ultra

part number	description
950-00072	CTC Analytics HTC PAL autosampler configured for use with the ExpressHT-Ultra pump. Includes three drawer cooled sample hotel. Installation and training included if ordered as part of a system.

systems - ExpressLC-Ultra

part number	description
950-00080	ExpressLC-Ultra microLC binary gradient system with UV detector. Includes injection valve, detector flow cell, autosampler mounting clamps, Eksigent control software and system installation kit, desktop computer; Installation and training included.

CTC-PAL Autosampler ExpressLC-Ultra

part number	description
620-00093	CTC Analytics HTC PAL autosampler configured for use with the ExpressLC-Ultra instrument. Includes dual wash stations, 50µL syringe and installation kit. Does <u>not</u> include tray holder or sample trays. Installation and training included if ordered as part of a system.
620-00088	Tray holder, holds up to 4 vial trays or well plates
620-00071	Vial tray, holds 54-2 mL sample vials
620-00077	6-position, cooled deep well-plate hotel for HTC and IFC PAL autosamplers
620-00092	12-position, cooled shallow well-plate hotel for HTC and IFC PAL autosamplers
620-00073	6-position well-plate hotel for HTC and IFC PAL autosamplers
620-00074	12-position well-plate hotel for HTC and IFC PAL autosamplers
620-00124	CTC Analytics Instrument Control Components software for PAL autosamplers
930-00014	CTC Analytics Cycle Composer remote control software for PAL system

systems - ExpressRT-Ultra

part number	description
950-00089	ExpressRT-Ultra microLC binary gradient system with UV detector. Includes injection valve, detector flow cell, RT sampling module, desktop computer, Eksigent control software and system installation kit. Installation and training included.
950-00094	ExpressRT-Ultra microLC binary gradient system with UV detector. Includes injection valve, detector flow cell, RT sampling module, laptop computer, Eksigent control software and system installation kit. Installation and training included.

systems - ExpressLC-800

part number	description
950-00034	ExpressLC-800 system consisting of 8 fully-independent capillary LC channels. Each channel consists of a binary gradient system, electrically-actuated low dispersion sample injection valve and array-based detection system. Each pump also contains a switching valve allowing the selection of solvent from either of 6 reservoirs. System also includes a high throughput IFC PAL, dual-head autosampler, personal computer, Eksigent control software and installation/training.

computer, instrument cart and compressor

part number	description
930-00019	Mini-tower PC for Express 800 (Windows XP Professional)
900-00027	Instrument cart
930-00021	Air compressor, without refrigerated water trap
930-00022	Air compressor dryer kit
930-00023	Air compressor, includes refrigerated water trap

ESI probes and electrodes for use with ExpressLC systems

part number	description
801-00084	ABSCIEX interface kit for ExpressHT-Ultra; includes modified MS probe (800-00342), column oven clamp (800-00393), and MS interface cable (700-00049).
801-00040	ABSCIEX ionization probe; 200um ID ESI electrode with 30 um ID fused silica capillary for TurboV source (PN 400-00360) and MS trigger cable (PN 700-00050)
800-00342	Complete probe for ABSCIEX Turbo V source; includes spare electrode (65 µm)
400-00360	ABSCIEX ionization probe; 200um ID ESI electrode with 30 um ID fused silica capillary for TurboV source
801-00094	200um ID ESI electrode w/30 um ID fused silica capillary for TurboV source
800-00420	Electrode for ABSCIEX Turbo V source (65 µm)
800-00455	Electrode for ABSCIEX API 2000 source (65 µm)
801-00095	Plumbing kit for 200um ID ESI electrode for TurboV source; includes 30 um ID fused silica capillary
801-00028	Thermo Electron MS interface kit for Xcalibur 1.x
801-00054	Thermo Electron MS interface kit for Xcalibur 2.x
801-00026	Plumbing kit for interfacing to Thermo Electron or Bruker Daltonics MS
801-00042	Bruker Daltonics MS interface kit

accessories and consumables - ExpressHT- and ExpressLC-Ultra

part number	description
920-00091	ExpressHT-Ultra PM Kit
200-00326	Rotor seal, Express Ultra 6-port
800-00393	Column oven clamp for ABSCIEX MS probe for ExpressHT-Ultra
700-00050	Interface cable, ExpressHT to CTC
800-00326	CTC cooled stack adapter kit, ExpressHT
801-00039	obsolete; replaced with 801-00095
910-00101	10pk of Fitting, Filled, PEEK, M4 Threads
200-00002	MicroTight Union, PEEK
200-00021	Mixing tee ferrule for 0.025" OD tubing
200-00044	Plug, MicroTight, PEEK, black
200-00138	Mixing tee ferrule for 365 µm OD capillary, 1/pkg
200-00165	Fitting, NanoTight, 1/16", PEEK, 0.90" long, with Tefzel
200-00254	Fitting, flanged, 1/16"
525-00013	Tee, syringe, Kel-F, for sampling module
910-00020	Fitting, FingerTight 1/16", PEEK, 10/pkg
910-00021	Fitting, hex, 1/16", SS, 10/pkg (200-00017)
910-00022	Fitting, MicroTight, 0.025", PEEK, 10/pkg
910-00023	Ferrule, 1/16", PEEK, 10/pkg
910-00024	Sleeve, PEEK, orange, 405 µm ID, 1/16" OD, 10/pkg (200-00009)
910-00025	Sleeve, PEEK, green, 395 µm ID, 0.025" OD, 10/pkg (200-00014)
910-00026	Ferrule, 1/16", SS, 10/pkg (200-00018)
910-00039	Nanoferrule, injection valve, 10/pkg (200-00090)
910-00040	Clamp and bolt, injection valve
910-00100	0.025" OD sleeve for 180µm OD tubing (910-00043; 10/pkg)
910-00054	Sleeve, PEEK, blue, 0.034" ID, 1/16" OD, 10/pkg
910-00057	Ferrule, MicroTight, for 1/32" OD tubing, 5/pkg
910-00058	Sleeve, PEEK, tan, 380 µm ID, 1/32" OD, 10/pkg
910-00060	Sleeve, PEEK, yellow 180 µm ID, 1/16" OD, 10/pkg
910-00069	Ferrule, Tefzel flangeless w/ ss ring, 5/pkg (200-00087)
910-00071	Fitting, NanoTight, 1/16", PEEK, short hex nut, 5/pkg (200-00255)
920-00002	Ferrule, MicroTight, for 0.025" OD tubing, 10/pkg
920-00003	Nut, female, MicroTight, 10/pkg
920-00004	Hex fitting, 1/16", SS, 3/4" long, 10/pkg
920-00005	Hex nut, 1/16", PEEK, 3/4" long, 10/pkg
920-00008	Sleeve, FEP, green, 395 µm ID, 1/16" OD, 10/pkg
200-00342	Fitting, UHP PEEK, 6-32
200-00346	Fitting, UHP PEEK, M4 (ExpressHT injection valve)
200-00356	Wrench, Nut Extender Tool (6-32)
200-00374	Wrench, Nut Extender Tool for Valve Fittings (M4)
200-00404	Wrench, Nut Extender Tool (6-32 headless)

200-00416	Adapter, 6-32 to 10-32 fitting, 1/32 to 1/16" tube
200-00415	Union, 6-32 fitting, 1/32" tubing UHP
910-00090	1/8 " Super Flangeless nut 10/pkg
910-00091	1/8 " Super Flangeless ferule 10/pkg
910-00085	1/32" nut (long) 10/pkg
910-00086	1/32" nut (short) 10/pkg
910-00087	1/32" ferule 10/pkg
200-00098	Filter Assembly MiniMicro
200-00099	Filter, MiniMicro, 1µm
200-00166	Filter holder, external solvent, with 5 elements, 1 µm, for 360 µm capillary
200-00186	Filter element, external solvent, 1 µm SS mesh, for 360 µm capillary, blue, 1/pkg
200-00225	Filter holder, sample, with 5 elements, 1 µm SS mesh, for 1/32" tubing
300-00020	Sample vials, 2 mL, septa and caps, box of 100
910-00076	PEEK liner for injection port, 10/pkg (525-00017)
800-00123	HPLC test mixture, 2 mL
800-00159	Injection port with sapphire guide, Teflon liner, includes needle seal
910-00037	Ferrule for injection port, 2/pkg
800-00209	Sample vials, 2 mL, split septa and caps, box of 100
800-00219	Injection port with sapphire guide, PEEK liner, includes needle seal
801-00002	Flow rate calibration kit with 20 µL calibration pipettes (10) for 1 - 30 µL/min flow rate
801-00018	Consumables kit for ExpressLC-100
801-00020	Replacement calibration pipettes, 20 µL, for 1 - 30 µL/min flow rate, 10/pkg
910-00035	Filter holder, sample injection port, old style, with 5 filter elements, 2µm SS mesh
910-00056	Filter element, sample, 1 µm SS mesh, for 1/32" OD tubing, tan, 5/pkg
205-00038	50 µm ID / 1/32" OD x 15 cm PEEKSil tubing (natural)
205-00039	50 µm ID / 1/32" OD x 20 cm PEEKSil tubing (natural)
205-00040	50 µm ID / 1/32" OD x 30 cm PEEKSil tubing (natural)
205-00041	50 µm ID / 1/32" OD x 50 cm PEEKSil tubing (natural)
205-00058	75 µm ID / 1/32" OD x 50 cm PEEKSil tubing (black)
205-00061	75 µm ID / 1/32" OD x 30 cm PEEKSil tubing (black)
200-00329	Mobile Phase filter
200-00040	Nut, Fingertight, PEEK
801-00088	Tube, 1/32" od, 175 µm id, 65 mm (PEEK)
801-00089	Tube, 1/32" od, 175 µm id, 45 mm (PEEK)
400-00467	FUSE UL MED.ACT 5X20MM 3A CART
700-00050	Interface cable, ExpressHT to CTC
801-00074	Solvent bottle, 500mL with gray cap
801-00075	Solvent bottle, 1L with gray cap
801-00079	Calibration Kit, EX100 HT-Ultra
200-00357	Wash pump check valve, inlet, Non-Metal, .06" Thru
200-00358	Wash pump check valve, outlet, Non-Metal, .06" Thru
620-00159	Needle Seal (Tube & Ferrule)
200-00360	75 µm ID / 1/32" OD x 10 cm PEEKSil tubing (black)

205-00071	75 µm ID / 1/32" OD x 20 cm PEEKSil tubing (black)
205-00069	50 µm ID / 1/32" OD x 10 cm PEEKSil tubing
205-00089	25 µm ID / 1/32" OD x 5 cm PEEKSil tubing
205-00043	100 µm ID / 1/32" OD x 20 cm PEEKSil tubing (red)
200-00447	injection port, PEEK, 10-32
200-00364	bulkhead reducing union, 1/16 to 1/32in

accessories and consumables - ExpressRT sampling module

part number	description
200-00253	Plug, 1/14-28, PFA, for ExpressRT sampling module
200-00260	Nut, sampling probe retaining, for ExpressRT sampling module
910-00070	Fitting, low pressure, 1/16", white, for ExpressRT sampling module, 5/pkg (200-00252)
910-00073	Frit-in-a-ferrule, sampling probe, for ExpressRT sampling module, 5/pkg (200-000259)
910-00075	Fitting, sample probe, 1/4"-28, Tefzel, for ExpressRT sampling module, 10/pkg (200-00283)

accessories and consumables - ExpressLC-100 and -800

part number	description
801-00004	accessory kit ExpressLC
200-00098	Filter Assembly MiniMicro
200-00099	Filter, MiniMicro, 1µm
200-00166	Filter holder, external solvent, with 5 elements, 1 µm, for 360 µm capillary
200-00186	Filter element, external solvent, 1 µm SS mesh, for 360 µm capillary, blue, 1/pkg
200-00225	Filter holder, sample, with 5 elements, 1 µm SS mesh, for 1/32" tubing
300-00020	Sample vials, 2 mL, septa and caps, box of 100
910-00076	PEEK liner for injection port, 10/pkg (525-00017)
800-00123	HPLC test mixture, 2 mL
800-00159	Injection port with sapphire guide, Teflon liner, includes needle seal
910-00037	Ferrule for injection port, 2/pkg
800-00209	Sample vials, 2 mL, split septa and caps, box of 100
800-00219	Injection port with sapphire guide, PEEK liner, includes needle seal
801-00002	Flow rate calibration kit with 20 µL calibration pipettes (10) for 1 - 30 µL/min flow rate
801-00018	Consumables kit for ExpressLC-100
801-00020	Replacement calibration pipettes, 20 µL, for 1 - 30 µL/min flow rate, 10/pkg
910-00035	Filter holder, sample injection port, old style, with 5 filter elements, 2µm SS mesh
910-00056	Filter element, sample, 1 µm SS mesh, for 1/32" OD tubing, tan, 5/pkg
910-00068	Replacement capillaries kit for ExpressLC-100. Includes all SS and fused silica capillaries used inside an ExpressLC-100, with necessary fittings.
910-00065	Replacement capillaries kit for ExpressLC-100. Includes all SS capillaries used inside an ExpressLC-100, with necessary fittings.
801-00012	Capillary kit, ExpressLC-100
801-00013	Capillary kit, ExpressLC-800, for all 8 channels
801-00019	Capillary kit, ExpressLC-800, for one channel only
910-00028	Sample loop, PEEKSil, 235 nL, 12 cm, 360 µm OD, 50 µm ID, 1/pkg (205-00016)
910-00029	Capillary, injection valve-to-column, PEEKSil, 11 cm, 360 µm, OD, 30 µm ID, 2/pkg (205-00017)
910-00030	Chip based filter (between autosampler and cHiPLC nanoflex or column and detector)
910-00031	Capillary, mixing tee-to-injector, PEEKSil, 8 cm, 360 µm OD, 50 µm ID, 2/pkg (205-00015)
910-00033	Capillary, injection valve-to-waste vial, fused silica, 15 cm, 360 µm OD, 100 µm ID, 2/pkg (205-00023)

910-00034	Capillary, ExpressLC-100 flow cell-to-waste vial, fused silica, 20 cm, 360 µm OD, 100 µm ID, 2/pkg (205-00036)
910-00036	Capillary, ExpressLC-800 flow cell to waste vial, fused silica, 35 cm, 360 µm OD, 100 µm ID, 2/pkg (205-00035)
910-00055	Capillary, injection port-to-injection filter, PEEKSil, 5cm, 1/32" OD, 100 µm ID, 2/pkg (205-00018)
910-00059	Capillary, sample filter-to-injection valve, fused silica, 13 cm, 360 µm OD, 75 µm ID, 2/pkg (205-00031)

micro LC columns

ChromXP-C18AR

Wakosil-II 3C18AR. High purity silica C18. pH range from 1.5-9.5. Ideal for basic compounds, aromatic hydrocarbons and peptides. Available in 120 Å.

ChromXP-C18EP and ChromXP-C8EP

C18 and C8 reversed phases with polar embedded groups for enhanced polar selectivity. Stable from pH 1-10. Low silanophilic activity allows for the analysis of strong basic compounds in neutral pH with excellent peak shapes. The main application area of these packings is in the pharmaceutical industry where the analytes often have basic or acidic groups. Available in 120 Å and 300 Å.

ChromXP-C18CL and ChromXP-C8CL

The ChromXP-CL phases are our standard C18 and C8 packings. These phases are based on ultra pure silica and fully endcapped. An excellent material for the separation of biomolecules like proteins and peptides. Available in 120 Å and 300 Å.

ChromXP-C18AQ

The ChromXP AQ phase has been especially developed for the use in aqueous mobile phases with an organic content below 10 %. Standard stationary phases with conventional bondings may give poor peak shapes under these conditions due to the collapse of C18- brushes in aqueous eluents. The AQ phase give excellent peak shapes in these mobile phases. The AQ phase is specifically useful for the analysis of polar analytes. Available in 120 Å.

ChromXP-C4

ChromXP C4 is a fully endcapped phase with excellent stability down to pH 1. This material shows excellent properties for the separation of large biomolecules like proteins and peptides, both in RP and HIC-mode. Available in 120 Å and 300 Å.

ChromXP-Phenyl

ChromXP-Phenyl is a RP packing that offers different selectivities in comparison to brush type stationary phases like C18 or C8. It is fully endcapped. Due to the bonding technology it shows excellent stability even at pH 1. Available in 120 Å.

ChromXP-Cyano, 120A

ChromXP-Cyano is a cyano-propyl bonded phase. It can be used in normal phase mode and reversed phase mode. In RP-mode, the application area is the separation of strong basic solutes. In NP-mode, the Cyano-support offers a complementary selectivity to other NP-phases like Silica, and Amino. Due to the quick equilibration time of the Cyano-bonded phase it is the best choice for gradient elution in NP-mode. Available in 120 Å.

ChromXP-Amino

ChromXP-Amino is an Amino Propyl bonded phase. It can be used in three modes: NP-mode, RP-mode and IC-mode. In the NP-mode it is an alternative to the silica packings but offers different selectivities. In the RP-mode the packing is mainly used for carbohydrate analysis. In the IC-mode the bonded phase can be used as a weak anion exchanger (WAX) for the analysis of anions and organic acids. The packing shows excellent properties in Supercritical Fluid Chromatography (SFC). Available in 120 Å.

ChromXP-Si

ChromXP-Si phase has a purity of 99,999 %. It can be used for normal phase chromatography, but also for size exclusion applications. Available in 120 Å.

HALO™ C18, C8 and Phenyl Hexyl

Halo column packings are manufactured using Fused-Core® particle technology. Halo® columns deliver over 50% more separating power than a column of the same length packed with 3.5 µm particles and more than twice the plates of a column packed with 5 µm particles. And, because of Fused-Core® particle technology, HALO® columns maintain their resolving power at high flow rates. This means that shorter columns and higher flow rates can be used to achieve remarkably fast high resolution separations.

micro LC columns ChromXP 0.3 mm ID (0.025" end-fittings unless otherwise noted)

part number	description
805-00000	Column, 3 µm, ChromXP C18AR, 120Å, 30 x 0.3 mm
805-00001	Column, 3 µm, ChromXP C18AR, 120Å, 50 x 0.3 mm
805-00002	Column, 3 µm, ChromXP C18AR, 120Å, 100 x 0.3 mm
805-00003	Column, 3 µm, ChromXP C18AR, 120Å, 150 x 0.3 mm
805-00004	Column, 3 µm, ChromXP C18EP, 120Å, 30 x 0.3 mm
805-00005	Column, 3 µm, ChromXP C18EP, 120Å, 50 x 0.3 mm
805-05005	Column, 3 µm, ChromXP C18EP, 120Å, 50 x 0.3 mm with 1/32" end-fittings (for use with Express-HT or ExpressLC-Ultra)
805-00006	Column, 3 µm, ChromXP C18EP, 120Å, 100 x 0.3 mm
805-00007	Column, 3 µm, ChromXP C18EP, 120Å, 150 x 0.3 mm
805-00074	Column, 5 µm, ChromXP C18EP, 120Å, 30 x 0.3 mm
805-00075	Column, 5 µm, ChromXP C18EP, 120Å, 50 x 0.3 mm
805-00076	Column, 5 µm, ChromXP C18EP, 120Å, 100 x 0.3 mm
805-00077	Column, 5 µm ChromXP C18EP, 120Å, 150 x 0.3 mm
805-00078	Column, 5 µm, ChromXP C18EP, 300Å, 30 x 0.3 mm
805-00079	Column, 5 µm, ChromXP C18EP, 300Å, 50 x 0.3 mm
805-00080	Column, 5 µm, ChromXP C18EP, 300Å, 100 x 0.3 mm
805-00081	Column, 5 µm ChromXP C18EP, 300Å, 150 x 0.3 mm
805-00012	Column, 3 µm, ChromXP l C18CL, 120Å, 30 x 0.3 mm
805-00013	Column, 3 µm, ChromXP C18CL, 120Å, 50 x 0.3 mm
805-00014	Column, 3 µm, ChromXP C18CL, 120Å, 100 x 0.3 mm
805-00015	Column, 3 µm, ChromXP C18CL, 120Å, 150 x 0.3 mm
805-00016	Column, 3 µm, ChromXP C18CL, 300Å, 30 x 0.3 mm
805-00017	Column, 3 µm, ChromXP C18CL, 300Å, 50 x 0.3 mm
805-00018	Column, 3 µm, ChromXP C18CL, 300Å, 100 x 0.3 mm
805-00019	Column, 3 µm, ChromXP C18CL, 300Å, 150 x 0.3 mm
805-00082	Column, 5 µm, ChromXP C18CL, 120Å, 30 x 0.3 mm
805-00083	Column, 5 µm, ChromXP C18CL, 120Å, 50 x 0.3 mm
805-00084	Column, 5 µm, ChromXP C18CL, 120Å, 100 x 0.3 mm
805-00085	Column, 5 µm ChromXP C18CL, 120Å, 150 x 0.3 mm
805-00086	Column, 5 µm, ChromXP C18CL, 300Å, 30 x 0.3 mm
805-00087	Column, 5 µm, ChromXP C18CL, 300Å, 50 x 0.3 mm
805-00088	Column, 5 µm, ChromXP C18CL, 300Å, 100 x 0.3 mm
805-00089	Column, 5 µm ChromXP C18CL, 300Å, 150 x 0.3 mm

805-00020	Column, 3 µm, ChromXP C18AQ, 120Å, 30 x 0.3 mm
805-00021	Column, 3 µm, ChromXP C18AQ, 120Å, 50 x 0.3 mm
805-05201	Column, 3 µm, ChromXP C18AQ, 120Å, 50 x 0.3 mm with 1/32" end-fittings (for use with Express-HT or ExpressLC-Ultra)
805-00022	Column, 3 µm, ChromXP C18AQ, 120Å, 100 x 0.3 mm
805-00023	Column, 3 µm, ChromXP C18AQ, 120Å, 150 x 0.3 mm
805-00024	Column, 3 µm, ChromXP C8EP, 120Å, 30 x 0.3 mm
805-00025	Column, 3 µm, ChromXP C8EP, 120Å, 50 x 0.3 mm
805-05025	Column, 3 µm, ChromXP C8EP, 120Å, 50 x 0.3 mm with 1/32" end-fittings (for use with Express-HT or ExpressLC-Ultra)
805-00026	Column, 3 µm, ChromXP C8EP, 120Å, 100 x 0.3 mm
805-00027	Column, 3 µm, ChromXP C8EP, 120Å, 150 x 0.3 mm
805-00028	Column, 3 µm, ChromXP C8CL, 120Å, 30 x 0.3 mm
805-00029	Column, 3 µm, ChromXP C8CL, 120Å, 50 x 0.3 mm
805-00030	Column, 3 µm, ChromXP C8CL, 120Å, 100 x 0.3 mm
805-00031	Column, 3 µm, ChromXP C8CL, 120Å, 150 x 0.3 mm
805-00032	Column, 3 µm, ChromXP Phenyl, 120Å, 30 x 0.3 mm
805-00033	Column, 3 µm, ChromXP Phenyl, 120Å, 50 x 0.3 mm
805-00034	Column, 3 µm, ChromXP Phenyl, 120Å, 100 x 0.3 mm
805-00035	Column, 3 µm, ChromXP Phenyl, 120Å, 150 x 0.3 mm
805-00036	Column, 3 µm, ChromXP C4, 120Å, 30 x 0.3 mm
805-00037	Column, 3 µm, ChromXP C4, 120Å, 50 x 0.3 mm
805-00038	Column, 3 µm, ChromXP C4, 120Å, 100 x 0.3 mm
805-00039	Column, 3 µm, ChromXP C4, 120Å, 150 x 0.3 mm
805-00090	Column, 5 µm, ChromXP C4, 300Å, 30 x 0.3 mm
805-00091	Column, 5 µm, ChromXP C4, 300Å, 50 x 0.3 mm
805-00092	Column, 5 µm, ChromXP C4, 300Å, 100 x 0.3 mm
805-00093	Column, 5 µm ChromXP C4, 300Å, 150 x 0.3 mm
805-00040	Column, 3 µm, ChromXP Cyano, 120Å, 30 x 0.3 mm
805-00041	Column, 3 µm, ChromXP Cyano, 120Å, 50 x 0.3 mm
805-00042	Column, 3 µm, ChromXP Cyano, 120Å, 100 x 0.3 mm
805-00043	Column, 3 µm, ChromXP Cyano, 120Å, 150 x 0.3 mm
805-00044	Column, 3 µm, ChromXP Amino, 120Å, 30 x 0.3 mm
805-00045	Column, 3 µm, ChromXP Amino, 120Å, 50 x 0.3 mm
805-00046	Column, 3 µm, ChromXP Amino, 120Å, 100 x 0.3 mm
805-00047	Column, 3 µm, ChromXP Amino, 120Å, 150 x 0.3 mm
805-00048	Column, 3 µm, ChromXP C18EP, 300Å, 30 x 0.3 mm
805-00049	Column, 3 µm, ChromXP C18EP, 300Å, 50 x 0.3 mm
805-00050	Column, 3 µm, ChromXP C18EP, 300Å, 100 x 0.3 mm
805-00051	Column, 3 µm ChromXP C18EP, 300Å, 150 x 0.3 mm
805-00052	Column, 3 µm, ChromXP C8EP, 300Å, 30 x 0.3 mm
805-00053	Column, 3 µm, ChromXP C8EP, 300Å, 50 x 0.3 mm
805-00054	Column, 3 µm, ChromXP C8EP, 300Å, 100 x 0.3 mm

805-00055	Column, 3 μm , ChromXP C8EP, 300Å, 150 x 0.3 mm
805-00056	Column, 3 μm , ChromXP C4, 300Å, 30 x 0.3 mm
805-00057	Column, 3 μm , ChromXP C4, 300Å, 50 x 0.3 mm
805-00058	Column, 3 μm , ChromXP C4, 300Å, 100 x 0.3 mm
805-00059	Column, 3 μm , ChromXP C4, 300Å, 150 x 0.3 mm
805-00060	Column, 3 μm , ChromXP Si, 120Å, 30 x 0.3 mm
805-00061	Column, 3 μm , ChromXP Si, 120Å, 50 x 0.3 mm
805-00062	Column, 3 μm , ChromXP Si, 120Å, 100 x 0.3 mm
805-00063	Column, 3 μm , ChromXP Si, 120Å, 150 x 0.3 mm

micro LC columns ChromXP 0.5 mm ID (1/32" end-fittings)

part number	description
805-10000	Column, 3 µm, ChromXP C18AR, 120Å, 30 x 0.5 mm
805-10001	Column, 3 µm, ChromXP C18AR, 120Å, 50 x 0.5 mm
805-10002	Column, 3 µm, ChromXP C18AR, 120Å, 100 x 0.5 mm
805-10003	Column, 3 µm, ChromXP C18AR, 120Å, 150 x 0.5 mm
805-10004	Column, 3 µm, ChromXP C18EP, 120Å, 30 x 0.5 mm
805-10005	Column, 3 µm, ChromXP C18EP, 120Å, 50 x 0.5 mm
805-10006	Column, 3 µm, ChromXP C18EP, 120Å, 100 x 0.5 mm
805-10007	Column, 3 µm, ChromXP C18EP, 120Å, 150 x 0.5 mm
805-10074	Column, 5 µm, ChromXP C18EP, 120Å, 30 x 0.5 mm
805-10075	Column, 5 µm, ChromXP C18EP, 120Å, 50 x 0.5 mm
805-10076	Column, 5 µm, ChromXP C18EP, 120Å, 100 x 0.5 mm
805-10077	Column, 5 µm ChromXP C18EP, 120Å, 150 x 0.5 mm
805-10078	Column, 5 µm, ChromXP C18EP, 300Å, 30 x 0.5 mm
805-10079	Column, 5 µm, ChromXP C18EP, 300Å, 50 x 0.5 mm
805-10080	Column, 5 µm, ChromXP C18EP, 300Å, 100 x 0.5 mm
805-10081	Column, 5 µm ChromXP C18EP, 300Å, 150 x 0.5 mm
805-10012	Column, 3 µm, ChromXP C18CL, 120Å, 30 x 0.5 mm
805-10013	Column, 3 µm, ChromXP C18CL, 120Å, 50 x 0.5 mm
805-10014	Column, 3 µm, ChromXP C18CL, 120Å, 100 x 0.5 mm
805-10015	Column, 3 µm, ChromXP C18CL, 120Å, 150 x 0.5 mm
805-10016	Column, 3 µm, ChromXP C18CL, 300Å, 30 x 0.5 mm
805-10017	Column, 3 µm, ChromXP C18CL, 300Å, 50 x 0.5 mm
805-10018	Column, 3 µm, ChromXP C18CL, 300Å, 100 x 0.5 mm
805-10019	Column, 3 µm, ChromXP C18CL, 300Å, 150 x 0.5 mm
805-10082	Column, 5 µm, ChromXP C18CL, 120Å, 30 x 0.5 mm
805-10083	Column, 5 µm, ChromXP C18CL, 120Å, 50 x 0.5 mm
805-10084	Column, 5 µm, ChromXP C18CL, 120Å, 100 x 0.5 mm
805-10085	Column, 5 µm ChromXP C18CL, 120Å, 150 x 0.5 mm
805-10086	Column, 5 µm, ChromXP C18CL, 300Å, 30 x 0.5 mm
805-10087	Column, 5 µm, ChromXP C18CL, 300Å, 50 x 0.5 mm
805-10088	Column, 5 µm, ChromXP C18CL, 300Å, 100 x 0.5 mm
805-10089	Column, 5 µm ChromXP C18CL, 300Å, 150 x 0.5 mm
805-10020	Column, 3 µm, ChromXP C18AQ, 120Å, 30 x 0.5 mm
805-10021	Column, 3 µm, ChromXP C18AQ, 120Å, 50 x 0.5 mm
805-10022	Column, 3 µm, ChromXP C18AQ, 120Å, 100 x 0.5 mm
805-10023	Column, 3 µm, ChromXP C18AQ, 120Å, 150 x 0.5 mm
805-10024	Column, 3 µm, ChromXP C8EP, 120Å, 30 x 0.5 mm
805-10025	Column, 3 µm, ChromXP C8EP, 120Å, 50 x 0.5 mm
805-10026	Column, 3 µm, ChromXP C8EP, 120Å, 100 x 0.5 mm
805-10027	Column, 3 µm, ChromXP C8EP, 120Å, 150 x 0.5 mm

805-10028	Column, 3 µm, ChromXP C8CL, 120Å, 30 x 0.5 mm
805-10029	Column, 3 µm, ChromXP C8CL, 120Å, 50 x 0.5 mm
805-10030	Column, 3 µm, ChromXP C8CL, 120Å, 100 x 0.5 mm
805-10031	Column, 3 µm, ChromXP C8CL, 120Å, 150 x 0.5 mm
805-10032	Column, 3 µm, ChromXP Phenyl, 120Å, 30 x 0.5 mm
805-10033	Column, 3 µm, ChromXP Phenyl, 120Å, 50 x 0.5 mm
805-10034	Column, 3 µm, ChromXP Phenyl, 120Å, 100 x 0.5 mm
805-10035	Column, 3 µm, ChromXP Phenyl, 120Å, 150 x 0.5 mm
805-10036	Column, 3 µm, ChromXP C4, 120Å, 30 x 0.5 mm
805-10037	Column, 3 µm, ChromXP C4, 120Å, 50 x 0.5 mm
805-10038	Column, 3 µm, ChromXP C4, 120Å, 100 x 0.5 mm
805-10039	Column, 3 µm, ChromXP C4, 120Å, 150 x 0.5 mm
805-10090	Column, 5 µm, ChromXP C4, 300Å, 30 x 0.5 mm
805-10091	Column, 5 µm, ChromXP C4, 300Å, 50 x 0.5 mm
805-10092	Column, 5 µm, ChromXP C4, 300Å, 100 x 0.5 mm
805-10093	Column, 5 µm ChromXP C4, 300Å, 150 x 0.5 mm
805-10040	Column, 3 µm, ChromXP Cyano, 120Å, 30 x 0.5 mm
805-10041	Column, 3 µm, ChromXP Cyano, 120Å, 50 x 0.5 mm
805-10042	Column, 3 µm, ChromXP Cyano, 120Å, 100 x 0.5 mm
805-10043	Column, 3 µm, ChromXP Cyano, 120Å, 150 x 0.5 mm
805-10044	Column, 3 µm, ChromXP Amino, 120Å, 30 x 0.5 mm
805-10045	Column, 3 µm, ChromXP Amino, 120Å, 50 x 0.5 mm
805-10046	Column, 3 µm, ChromXP Amino, 120Å, 100 x 0.5 mm
805-10047	Column, 3 µm, ChromXP Amino, 120Å, 150 x 0.5 mm
805-10048	Column, 3 µm, ChromXP C18EP, 300Å, 30 x 0.5 mm
805-10049	Column, 3 µm, ChromXP C18EP, 300Å, 50 x 0.5 mm
805-10050	Column, 3 µm, ChromXP C18EP, 300Å, 100 x 0.5 mm
805-10051	Column, 3 µm ChromXP C18EP, 300Å, 150 x 0.5 mm
805-10052	Column, 3 µm, ChromXP C8EP, 300Å, 30 x 0.5 mm
805-10053	Column, 3 µm, ChromXP C8EP, 300Å, 50 x 0.5 mm
805-10054	Column, 3 µm, ChromXP C8EP, 300Å, 100 x 0.5 mm
805-10055	Column, 3 µm, ChromXP C8EP, 300Å, 150 x 0.5 mm
805-10056	Column, 3 µm, ChromXP C4, 300Å, 30 x 0.5 mm
805-10057	Column, 3 µm, ChromXP C4, 300Å, 50 x 0.5 mm
805-10058	Column, 3 µm, ChromXP C4, 300Å, 100 x 0.5 mm
805-10059	Column, 3 µm, ChromXP C4, 300Å, 150 x 0.5 mm
805-10060	Column, 3 µm, ChromXP Si, 120Å, 30 x 0.5 mm
805-10061	Column, 3 µm, ChromXP Si, 120Å, 50 x 0.5 mm
805-10062	Column, 3 µm, ChromXP Si, 120Å, 100 x 0.5 mm
805-10063	Column, 3 µm, ChromXP Si, 120Å, 150 x 0.5 mm

micro LC columns ChromXP 1 mm ID (1/32" end-fittings)

part number	description
805-20004	Column, 3 µm, ChromXP C18EP, 120Å, 30 x 1 mm
805-20005	Column, 3 µm, ChromXP C18EP, 120Å, 50 x 1 mm
805-20012	Column, 3 µm, ChromXP C18CL, 120Å, 30 x 1 mm
805-20013	Column, 3 µm, ChromXP C18CL, 120Å, 50 x 1 mm
805-20102	Column, 3 µm, ChromXP C18CL, 300Å, 50 x 1 mm

micro LC columns HALO™ 0.3 mm ID (0.025" end-fittings unless otherwise noted)

part number	description
805-00099	Column, 2.7 µm, HALO Fused-Core C18, 30 x 0.3 mm
805-00100	Column, 2.7 µm, HALO Fused-Core C18, 50 x 0.3 mm
805-05100	Column, 2.7 µm, HALO Fused-Core C18, 50 x 0.3 mm with 1/32" end-fittings (for use with Express-HT or ExpressLC-Ultra)
805-00101	Column, 2.7 µm, HALO Fused-Core C18, 100 x 0.3 mm
805-00102	Column, 2.7 µm, HALO Fused-Core C18, 150 x 0.3 mm
805-05200	Column, 2.7 µm, HALO Fused-Core C8, 50 x 0.3 mm with 1/32" end-fittings (for use with Express-HT or ExpressLC-Ultra)

micro LC columns HALO™ 0.5 mm ID (1/32" end-fittings)

part number	description
805-10099	Column, 2.7 µm, HALO Fused-Core C18, 30 x 0.5 mm
805-10100	Column, 2.7 µm, HALO Fused-Core C18, 50 x 0.5 mm
805-10101	Column, 2.7 µm, HALO Fused-Core C18, 100 x 0.5 mm
805-10102	Column, 2.7 µm, HALO Fused-Core C18, 150 x 0.5 mm
805-10116	Column, 0.5 x 150mm Halo Phenyl Hexyl 2.7u 90Å particle

micro LC columns HALO™ 1 mm ID (1/32" end-fittings)

part number	description
805-20099	Column, 2.7 µm, HALO Fused-Core C18, 30 x 1 mm
805-20100	Column, 2.7 µm, HALO Fused-Core C18, 50 x 1 mm
805-20101	Column, 2.7 µm, HALO Fused-Core C18, 10 x 1 mm

spare parts - ExpressHT and ExpressLC-Ultra

part number	description
200-00324	Obsolete; use P/N 200-00417
200-00325	Obsolete; use P/N 200-00452
200-00417	Replacement 6 port valve with actuator (Titan-HT) for Express Ultra; 6-32 fittings
200-00452	Replacement 6 port valve pod (Titan-HT) for Express Ultra; 6-32 fittings
200-00327	PCB, Express Ultra valve
800-00417	Standard flow module 20-200 µl/min (Ka= 80, Kb=50)
205-00059	0.006" ID / 1/32" OD x 10 cm stainless steel tubing
205-00060	0.006" ID / 1/32" OD x 20 cm stainless steel tubing
801-00066	check valve rebuild kit
200-00322	high pressure filter holder complete with filter
800-00326	CTC cooled stack adapter kit, ExpressHT
800-00397	encapsulated flow module 5-50 µl/min (Ka= 20, Kb=9)
800-00330	flow module holder for encapsulated flow modules, ExpressLC/HT-Ultra
800-00418	purge valve for A pump
800-00419	purge valve for loading pump or B pump
200-00302	1/16" to 1/32" reducing adapter SS
200-00316	1/32" mixing T
200-00340	1/32" cross
800-00310	EP controller
400-00448	pressure transducer Pc (14,000 psi)
800-00374	solenoid manifold, ExpressLC/HT-Ultra pump
800-00329	pump sled, complete, ExpressHT-Ultra, 20-200uL/min
800-00423	pump sled, complete, ExpressHT-Ultra, 5-50uL/min
800-00345	pump sled, complete, ExpressLC-Ultra
800-00411	gradient pump
800-00277	hub PCB
800-00278	pump PCB
800-00283	TEC controller PCB
800-00293	power supply
700-00020	Cable, Power, PS to Instrument, nanoLC Ultra
800-00384	pneumatic wash pump, ExpressHT-Ultra
800-00340	injection valve assembly, ExpressHT-Ultra; includes mounting bracket, wash pump, accessory kit
800-00343	remote column heater, ExpressHT-Ultra
200-00327	PCB, Express Ultra valve
800-00286	PCBA, Pump Junction Board, Express Ultra
800-00369	PCBA, Rear Panel Junction Bd, ExpressHT-Ultra
800-00233	PCBA, Lamp Junction Board, Ex100+
800-00236	PCBA, Front Panel Junction Bd, ExpressLC-Ultra
800-00349	injection valve assembly, ExpressLC-Ultra; includes valve, mounting bracket, and PCB
800-00348	spectrometer assembly, ExpressLC-Ultra

400-00539	USB Cable, A-B BLACK 0.5 M, internal ExpressLC-Ultra
200-00222	Valve, solvent switching, 7-port, 1/8", for ExpressLC-Ultra
800-00398	optical attenuator assembly, ExpressLC-Ultra
100-00377	Fiber, SMA-SMA, 200mm, UVS150/157.5
100-00379	Fiber, SMA-SMA, 0.25m, UVS200/210
800-00347	lamp assembly, ExpressLC-Ultra
400-00085	Pre-aligned deuterium lamp with leads
400-00503	PCBA, lamp power supply
400-00198	Fan, 50mm, 24 VDC, lamp power supply
400-00372	Fan, 2.36 sq, 24 vdc, chassis bottom, ExpressLC-Ultra
800-00346	assembly, control panel, ExpressLC-Ultra
800-00351	assembly, column oven, ExpressLC-Ultra
800-00352	Detector flow cell assembly, ExpressLC-Ultra, 5mm pathlength
800-00406	Detector flow cell assembly, ExpressLC-Ultra, 10mm pathlength

spare parts - ExpressRT sampling module

part number	description
200-00453	Pod for RT valve 200-00229
200-00454	Rebuild kit for RT valve 200-00229
801-00056	clamp assembly for RT sampling module, complete
200-00247	Pump filter holder and element for Express RT, high capacity
200-00229	Valve, switching, 7-port, 1/16", for ExpressRT sampling module
200-00312	Pump filter element, internal, high capacity
300-00038	Pump, syringe, for ExpressRT-100
300-00048	Tubing, PFA, 1/16" OD, 0.020" ID, for ExpressRT sampling module
300-00049	Tubing, PFA, 1/16" OD, 0.010" ID, for ExpressRT sampling module
525-00022	Vial, 40 mL, clear, for ExpressRT-100 sampling module
800-00235	PCB, main, for ExpressRT sampling module
400-00410	power supply RT sampling module
800-00245	Power cable, ExpressRT sampling module
800-00246	Cable, BCD, for ExpressRT sampling module

spare parts - ExpressLC-100 and 800

part number	description
910-00093	Set of brackets for mounting of HTC-PAL. Includes left and right bracket.
100-00041	Fitting, quick release air supply, 1/4" connection
100-00114	Bifurcated optical fiber, ExpressLC-100
200-00011	Injection port bulkhead union
200-00020	Internal pump filter element
200-00032	Internal pump filter holder and element
200-00051	Sample injection valve, ExpressLC
200-00054	Air-actuated purge valve assembly
200-00167	Front panel mixing tee with fittings and ferrules
200-00222	Valve, solvent switching, 7-port, 1/8", for ExpressLC-800
200-00247	Pump filter holder with element, high capacity
200-00312	Pump filter element, internal, high capacity
300-00000	Solvent waste/seal wash bottle, 250 mL
300-00007	Internal air line, black, polyethylene, ExpressLC-100, 18"
300-00017	Piston seal wash pump
300-00033	Piston wash line, green, polyethylene, ExpressLC-100, 36"
400-00022	Power cable (UK)
400-00078	Power cable (European)
400-00084	Electro-pneumatic flow controller assembly
400-00085	Pre-aligned deuterium lamp with leads
400-00086	Lamp power supply PCB
400-00091	Spectrometer cable
400-00092	Spectrometer A/D PCI card
400-00415	Spectrometer USB adapter
400-00104	Power supply, input 100 - 240VAC /3A, output 24VDC /4A, NanoLC-1Dplus, NanoLC-2D and ExpressLC100
400-00106	Serial cable for instrument control and data collection
400-00133	Pressure transducer, ExpressLC-800, 0.2V zero offset
400-00161	Pressure transducer, 6000 psi, Pc, NanoLC-1Dplus, NanoLC-2D and ExpressLC-100 (0.2V off-set)
400-00314	Obsolete, replaced by 400-00091
400-00364	Power supply, 24VDC/25A, ExpressLC-800
611-00015	Operator's manual, ExpressLC-100
611-00042	Operator's manual, ExpressRT-100 addendum
611-00058	Operator's manual, ExpressLC-800
620-00060	Power cable, North America
800-00007	Dual solenoid - air valve assembly
800-00015	Spectrometer assembly, ExpressLC-100
800-00018	Detector flow cell assembly, ExpressLC-800
800-00022	Flow meter module, ExpressLC-100
800-00029	Flow meter module, ExpressLC-800
800-00048	Pressure transducer junction PCB

800-00046	Pump junction PCB
800-00051	Detector flow cell assembly, ExpressLC-100
800-00056	External control synchronization cable
800-00058	Waste reservoir clamp and thumbscrew
800-00081	Control board, ExpressLC-800, channels 1-4
800-00084	Control board, ExpressLC-800, channels 5-8
800-00093	Source lamp to front panel optical fiber
800-00095	Pump with reset sensor, expressLC-100
800-00101	Pump with reset sensor, expressLC-800
800-00105	Solvent reservoir, 50 mL, clear
800-00112	Waste vial and cap, 20 mL, for injector and flow cell
800-00113	Detector source assembly with deuterium lamp
800-00120	Column holder for 150 mm columns
800-00122	Column holder for non-Eksigent columns
800-00132	Column holder for 50 and 100 mm columns
800-00141	Solvent reservoir, 50 mL, amber
800-00156	Wiring harness, Thermo MS synchronization
800-00160	Wiring harness, ABSCIEX MS synchronization
800-00161	Control board, expressLC-100
800-00176	Pump/transducer junction board, expressLC-800SS
800-00194	Obsolete; Solvent reservoir, 100 mL, clear
800-00196	12-pin I/O connector, green
800-00222	Sample path upgrade kit
801-00003	Pump priming tool kit, includes 10 mL syringe
801-00008	Microtight union with restrictor for clearing flow cell bubbles
801-00009	Toolkit, ExpressLC operator's system
801-00016	Slide/nut for mounting column holders to rail
801-00032	Preventive maintenance kit, 6 month
910-00001	Line, air supply, 25', 1/4" diameter
910-00017	Fuse, 4A slo-blow, 5/pkg
920-00013	Pump check valve kit, 1 required per pump
920-00014	Pump seal kit, 1 required per pump
920-00017	Pneumatic Solenoid with booster
920-00018	Pressure transducer ribbon cable, nanoLC 1Dplus, 2D and ExpressLC-100
920-00019	Ribbon cable for pump
100-00068	Autosampler retaining screw
500-00037	Autosampler retaining clamp

spare parts - CTC PAL autosampler

part number	description
620-00141	25 µL CTC autosampler syringe
620-00083	25 µL CTC autosampler syringe kit, includes syringe adapter and 2 syringes
620-00123	50 µL CTC autosampler syringe
620-00084	50 µL CTC autosampler syringe kit, includes syringe adapter and 2 syringes
620-00070	50 µL LEAP L-Mark autosampler syringe
620-00097	Obsolete, use 620-00075
620-00075	Wash bottle for wash station, 500 mL
620-00079	Cable, wash station, HTC or LC PAL autosamplers
620-00080	Cable, RS232 with DB9 connector, 3 meter
620-00081	Wash station solvent line
620-00090	Wash station for HTC PAL with 2-500 mL wash bottles
620-00091	Cable, RS232 with DB9 connector, 6 meter
620-00096	Cable, wash station, IFC PAL autosampler
620-00098	LCD terminal cable, RF-45 connectors
620-00099	Wash station for IFC PAL with 2-500 mL wash bottles
620-00104	Wash station for LC PAL with 2-500 mL wash bottles
620-00105	Injection unit tension cord, black, 280 mm for all PAL autosamplers
620-00106	Needle guide tension cord, black, 90 mm -100 mm for all PAL autosamplers
620-00110	Motherboard for LC PAL
620-00125	PAL preventive maintenance for LC, HTC and IFC PAL autosamplers
620-00126	Motherboard for HTC PAL
620-00127	Power supply for PAL stack coolers
620-00128	PAL accessory interfacing cable, DB15 connector, 3 meters
620-00129	Fast wash module only
620-00130	Fast wash module valve assembly
620-00131	Waste line for PAL wash station
620-00132	Microtiter plate foil cutter, for 22 gauge needles
200-00367	Stainless steel sample loop, 5µL, 1/32" OD (blue band)
205-00053	PEEKsil sample loop, 1µL, 1/32" OD (red)
620-00164	Active Wash Module G22, Needle w/ tubing
620-00159	Needle Seal (Tube & Ferrule)
620-00078	Power supply for all PAL autosamplers
620-00076	Power cable, PAL power supply to PAL autosampler, 2 meters