

Spare and Wear parts list

Evosep P/N	Part	Description	Category	User replaceable
EV1001	Pump 9000psi	Complete high-pressure pump module with integrated pressure sensor. No tubing included.	Spare part	x
EV1002	Pump 3500psi	Complete low-pressure pump module with integrated pressure sensor. No tubing included.	Spare part	x
EV1003	Pump PCB (ASI)	Integrated circuit board for pump motor control and pressure sensor integration.	Spare part	
EV1004	Backplane PCB	Integrated circuit board for PC coordination.	Spare part	
EV1005	Degasser	2-channel degasser for A/B solvents	Spare part	x
EV1015	Flow sensor low pressure	In-line, low pressure flow sensor for the A, B, C, D gradient formation pumps.	Spare part	x
EV1016	Flow sensor high pressure	In-line, high pressure flow sensor for the gradient delivery pump	Spare part	x
EV1017	Needle Tee holder	Mounts on the autosampler tool (EV1043) and holds the needle tee (EV1019).	Spare part	x
EV1037	Evosep power supply	One replacement power supply unit for the Evosep One instrument (EV1000).	Spare part	x
EV1043	GT dilutor tool	Attaches to the Z axis of the autosampler and holds the needle tee holder (EV1017).	Spare part	x
EV1044	Actuator	Base unit for the valve stacks (EV1006, Ev1009 and EV1012). Comes with a short PAL-bus connector cable.	Spare part	
EV1045	Pal terminal	Replacement control terminal for the autosampler. Used during setup and calibration and offers direct control over the autosampler.	Spare part	x
EV1046	PAL Safety guard	Replacement safety guard for PAL auto sampler	Spare part	x
EV1047	PAL power supply	Replacement power supply for PAL autosampler	Spare part	x
EV1048	PAL bus cable, short	Short PAL bus communication cable	Spare part	
EV1049	PAL bus cable, long	Long PAL bus communication cable	Spare part	
EV1053	PAL Z-head	Replacement PAL Z head	Spare part	x
EV1054	PAL control PCB	Replacement PCB for PAL X-axis	Spare part	
EV1059	Pressure sensor	Replacement pressure sensor for EV1001 and EV1002	Spare part	x
EV1066	Tip Ejector	The tip ejected is mounted on the top of the instrument and provides both a calibration point for the autosampler as well as test points for the Evotip (EV2001) and an eject mechanism.	Spare part	x
EV1067	PC Comms Switch	Placed inside the back of the instrument, this switch interfaces the instrument controls with the PC software.	Spare part	

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EV1084	Backplane breakout	An extension cable to run pump modules even while not inserted.	Spare part	
EV1097	Peristaltic drain pump	Complete with control PCB, cable and bracket.	Spare part	
EV1100	Flow sensor low pressure, 6-40 fitting	In-line, low pressure flow sensor for the A, B, C, D gradient formation pumps.	Spare part	x
EV1006	Valve 12 stack	Complete 12-port stack (springs, rotor, stator) for low-pressure pump management.	Wear part	x
EV1007	Valve 12 stator	Single custom stator for EV1006.	Wear part	x
EV1008	Valve 12 rotor	Single custom rotor for EV1006.	Wear part	x
EV1009	Valve 6 stack	Complete 6-port stack (springs, rotor, stator) for the high-pressure pump management.	Wear part	x
EV1010	Valve 6 stator	Single stator for EV1009.	Wear part	x
EV1011	Valve 6 rotor	Single custom rotor for EV1009.	Wear part	x
EV1012	Valve Loop stack	Complete 6-port stack (springs, rotor, stator) for the loop management.	Wear part	x
EV1013	Valve Loop stator	Single stator for EV1012	Wear part	x
EV1014	Valve Loop rotor	Single custom rotor for EV1012	Wear part	x
EV1018	Needle	The needle picks up the Evtip (EV2001) and places it in the tip guide (EV1021) mounted in the top plate.	Wear part	x
EV1019	Needle Tee	The needle tee connects the tubing (EV1026) and the injection needle (EV1018).	Wear part	x
EV1020	Tip cross	The tip cross is connected to the tip guide (EV1021) and allows the eluent gradient from Evtip (EV2001) to flow into the holding loop (EV1038).	Wear part	x
EV1021	Tip guide	The tip guide is mounted in the top plate and assists in placing the Evtip (EV2001) perfectly in the tip cross (EV1020).	Wear part	x
EV1022	Needle wash station	The wash station is mounted on the top plate and is used to clean the needle (EV1018) after each injection for reduced carry-over.	Wear part	x
EV1023	Valve 12 to Flow sensor LP	This set of four identical pieces of tubing connect the 12-port valve (EV1006) to the four low pressure flow sensors (EV1015).	Wear part	x
EV1026	A,B flow sensor to Needle Tee	This tubing kit connects the A and B low pressure flow sensors (EV1015) to the needle tee (EV1019) on the autosampler.	Wear part	x
EV1027	C,D flow sensor to Tip cross	This tubing kit connects the C and D low pressure flow sensors (EV1015) to the tip cross (EV1020) on the top plate.	Wear part	x
EV1028	Tip cross to Valve Loop	This piece of tubing connects the tip cross (EV1020) to the loop valve (EV1012).	Wear part	x

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EV1032	Valve HP to Flow sensor HP	This piece of tubing connects the 6-port high pressure valve (EV1009) to the high-pressure flow sensor (EV1016).	Wear part	x
EV1033	HP flow sensor to loop valve	This piece of tubing connects the high-pressure flow sensor (EV1016) to the loop valve (EV1012).	Wear part	x
EV1034	Transfer-line	This piece of tubing connects the loop valve (EV1012) to the analytical column (EV1064, EV1074 or EV1075) connected to the MS spray source.	Wear part	x
EV1035	Bottle kit	The replacement bottle kit contains two 150ml solvent bottles with red filter caps and a single 150ml waste bottle with a blue cap. The bottles are labelled accordingly.	Wear part	x
EV1036	Solvent Cross/Tee to valve 12	This set of four identical pieces of tubing connect the solvent cross (EV1042) to the 12-port valve (EV1006).	Wear part	x
EV1038	30ul loop	The coiled up fused silica loop (100µm ID, 30µl) connects across the 6-port valve loop (EV1009).	Wear part	x
EV1039	Needle seal	Replacement seal for the tip cross (EV1020).	Wear part	x
EV1040	Solvent tubing	This tubing kits connects the solvent bottles (EV1035) to the degasser (EV1005) and the degasser to the solvent cross and tee (EV1042).	Wear part	x
EV1041	Waste tubing	This tubing kit connects the drain pumps (EV1051) as well as the two 6-port valves to waste bottle (from EV1035).	Wear part	x
EV1042	Cross & Tee	The cross is used to distribute the A solvent from the degasser (EV1005) and the tee distributes the B solvent similarly.	Wear part	x
EV1058	High pressure pistons seals w/ manifold	Integrated seal and manifold for EV1001.	Wear part	x
EV1060	Low pressure pistons seals w/ manifold	Integrated seal and manifold for EV1002.	Wear part	x
EV1061	Valve 6 plug	Blind plug for the 6-port high-pressure valve (EV1006).	Wear part	x
EV1076	Tip container	Waste container for used Evotips	Wear part	x
EV1083	Tubing fixtures	The set of two fixtures secures the column transfer line (EV1034) and A/B autosampler tubing (EV1024) respectively.	Wear part	x
EV1098	HP pump to HP pressure sensor	MarvelXACT SS 254µm x 150mm	Wear part	x
EV1099	Valve 6 to HP pump/HP pressure sensor	MarvelXACT SS 254µm x 250mm	Wear part	x

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EV1101	A,B flowsensor to Needle Tee	This tubing kit connects the A and B low pressure flow sensors (EV1100) to the needle tee (EV1019) on the autosampler.	Wear part	x
EV1102	C,D flowsensor to Tip cross	This tubing kit connects the C and D low pressure flow sensors (EV1100) to the tip cross (EV1020) on the top plate.	Wear part	x
EV1103	Valve 12 to Flowsensor LP	This set of four identical pieces of tubing connect the 12-port valve (EV1006) to the four low pressure flow sensors (EV1100).	Wear part	x
EV1105	Waste tubing for peristaltic pump	This tubing kit connects the peristaltic drain pump (EV1097) as well as the two 6-port valves to waste bottle (from EV1035).	Wear part	x
EV1133	Pump LP to Pressure sensor LP v2	This set of four identical pieces of tubing connect the four pressure sensors (EV1059) to the A, B, C, D gradient formation pump heads (EV1002).	Wear part	x
EV1134	Pressure sensor LP to Valve 12 v2	This set of four identical pieces of tubing connect the four pressure sensors (EV1059) to the 12-port valve (EV1006) on the A, B, C, D gradient formation pumps (EV1002).	Wear part	x
EV1136	Replacement buffer O-Ring	Used for Z-Head of PAL3 RSI or LSI	Wear part	x