

UV Lamps

ALL Models & HPLC Pump Spares



Pump Spares

- **Pistons**
- **Check Valves**

HPLC **/ UV-Vis**



HPLC Instrument Spare Parts

Replacement of the most common HPLC pump and detector components that require routine replacement is simple. All original pump manufacturers would expect the HPLC user to do this themselves.

So why pay their prices?

Most OEM (original equipment manufacturers) companies make vast profits out of spares, because they have large overheads to be met from providing such a small scale spares and service back-up facility.

After spending in excess of 10 years Chromtech has gathered together the most comprehensive source of data on HPLC equipment consumables, and the identities of many of the component manufacturers who supply the OEM companies.

We can now pass this onto the HPLC user

Some of the prices are up to 80% lower than from the OEM companies!

**"How easy is it to replace these components ourselves?"
The simple answer is VERY.**

The replacement of HPLC pump head components and detector lamps is no more complicated than the replacement of an HPLC column.

UV-Vis Lamps

We can supply; Deuterium (D₂), Mercury (Hg), Tungsten (W), Xenon (Xe), Zinc (Zn) and Cadmium (Cd) sources.

For most modern HPLCs as well as many older OEM obsolete models

Current OEM Brands

Waters
Agilent
Thermo Scientific
Dionex
Perkin Elmer
Hitachi
Varian

Amersham
/GE Health
ABI
Biotage
Cecil

even older (obsolete) Models

Alltech/Grace
Beckman
Bausch&Lomb
Carlo Erba
Fisher
GBC
Gilson
Hewlett-Packard
Jasco
Knauer
LKB
Pharmacia
Pye Unicam
SSI/LabAlliance
Ultrospec

Note : some lamps are pre-aligned (or have holders) and may have to be returned to the OEM.

our Lamps include . . .

HPLC UV Detectors, Fluorimeters, Spectrophotometers

HPLC Pump Piston Seals/Pistons

Piston Seals - most are made from Graphite filled PTFE jackets (black colour) and are fitted with a stainless steel spring that acts as the seal energiser. However, recent introductions have increased seal life considerably in specific solvent conditions. These jackets are made either of UPC (Ultra high molecular weight polyethylene) which appears as a clear (white) colour, or a special proprietary material that is gold (yellow) coloured.

Pistons (or plungers) are usually manufactured from Sapphire, but some Ruby pistons are available, which can increase usage by 10%.

2011/12 : See Restek for more inc Kits of Spare Parts for some current HPLCs Cat 2011/12 p327-332



11/12

ABI (APPLIED BIOSYSTEMS)		
ANALYST	LH-13	D2
ANALYST	LH-13X2	D2
ANALYST	L-850	W
BIOCAD 20, 60, 250, 700E, SPRINT, VISION	LH-40	D2
INTEGRAL 700E, 250	LH-40	D2
120A, 130A	LH-98	D2
120A, 130A		W
270A-HT, 1000S	LH-98	D2
FS950		HG INQUIRE
FS970, FS980	LH-1/LH-4	D2
PEPTIDE SYNTHESIZER 433A	LH-98	D2
PROSICE HT, C, CLC, 492, 494	LH-98	D2
785	LH-4	D2
SF757, 773, 783, 783A, 785A	LH-1/LH-4	D2
SF757, 759A, 773, 783, 783A, 785A		W INQUIRE
SF759A	LH-4	D2
SF769, SF770	LH-1	D2
AGILENT/HEWLETT-PACKARD		
1037	L-610	W
1040A, 1040M	LH-10	D2
1046	L-890	P/XE
1047A	L-610	W
1050 SERIES		
79853A	L-295	D2
79853C, 79854A	LH-10	D2
G1306A	LH-10	D2
1090 SERIES		
79880A, 79881A	LH-10	D2
SERIES I & II	LH-10	D2
SPECTROPHOTOMETERS		
8450A	LH-16	D2
8450A	LH-855	W
8451A	LH-11	D2
8452A	LH-12	D2
8453A, 8453E	LH-15	D2
8453A, 8453E	LH-13X2	D2
8453A, 8453E	L-850	W
1100/1200 SERIES		
G1314A, G1314B, G1314C	LH-14	D2
G1314C	L-850	W
G1315A, B & C, G1365A, B & C	LH-13	D2
G1315A, B & C, G1365A, B & C	LH-13X2	D2
G1315A, B & C, G1365A & B	L-850	W
G1321A	L-870	P/XE
G1362A		W
HP3D/CE	LH-14	D2
ALLTECH/GRACE		
200, 201, 205	LH-40	D2
200	LH-760	W
305	LH-910	P/XE

AMERSHAM /SEE G/E HEALTHCARE		
AMINCO/ATI//SEE THERMO SCIENTIFIC		
AVIV/ PROTERION/RHEOMETRIC SCIENTIFIC/WYATT TECH		
14D		INQUIRE
62DS, 202, 215 (CD)	L-995	XE
BAS		
FL45	LH-910	P/XE
UV116A, UV200	LH-40	D2
BAUSCH & LOMB (B&L) /SEE THERMO SCIENTIFIC		
BECKMAN/ALTEX		
20,24,25,26,34,35,36	L-250	D2
20,24,25,26,34,35,36	L-860	W
25	L-200	D2
153	L-885	HG
160	L-710	HG
160	L-715	ZN
160	L-720	CD
163	L-205	D2
166	LHA-70	D2 Lamp Ass'y
166	LH-70	Cartridge Only
166		W INQUIRE
168	LHA-75	D2 Lamp Ass'y
168	LH-75	Cartridge Only
5200, ACTA	L-250	D2
5200, ACTA	L-865	W
AD340	L-275	W
5240	L-840	W
DB, DBG, DBGT, DK, DU	L-305	D2
DB, DBG, DK-2A	L-860	W
DBGT		W INQUIRE
DU2	L-860	W
DU-6, 7, 8, 20, 30, 37, 40, 50	L-250	D2
DU-6, 7, 8, 20, 30, 40, 50	L-840	W
DU-60, 62, 63, 64, 65, 68, 70	L-835	W
DU-60, 62, 63, 64, 65, 68	LH-71	D2
DU-70	LH-73	D2
DU-500, 520, 530	LH-110	D2
DU-500, 520, 530	L-730	W
DU-600, 640, 650, 800	LH-72	D2
DU-600, 640, 650, 800	L-835	W
DU-7000, 7400, 7500	LH-72	D2
DU-7000, 7400, 7500	L-835	W
P/ACE 2000, 2050, 2100, 2200, 2210	LH-77	D2
P/ACE 5000/477170, 5010/477171	LH-76	D2
P/ACE 5500/477172, 5510/477173	LH-76	D2
P/ACE MDQ	LH-76	D2
P/ACE 800	LH-76	D2
BEIJING PURKINJE GENERAL INSTRUMENT CO/ GENTECH		
UV 1100, 9100, 1200, 1300, 1400	L-265	D2
UV 7000, 8100, 1000, 1000, 1100	L-165	W

BIOCHROM/HARVARD BIOSCIENCE/GE/PHARMACIA			
LIBRA S21, S22	L-990	P/XE	\$695
ULTROSPEC 1000-4000		D2	INQUIRE
BIO-RAD			
760-1300	LH-25	D2	
760-1300	LHA-23	W	Lamp Ass'y
1305, 1306	L-290	D2	
1706, 1806A	L-295	D2	
1740		HG	INQUIRE
1790, 1801, BIO-DIMENSION	LH-40	D2	
1806B			INQUIRE
BIOFOCUS	LH-41	D2	
BIOLOGIC DUAL FLOW		HG	INQUIRE
EM-1 ECONO UV MONITOR			
MICROSAMPLER 100	LH-41	D2	
REMEDEI	LH-115	D2	
SMARTSPEC 3000	L-60	P/XE	
VARIANT, VARIANT II		W	INQUIRE
BIOTAGE/DYAX/ARGONAUT			
HORIZON	L-735	HG	
PARALLEX FLEXPARA			INQUIRE
KILOPREP(100G)	LH-40	D2	
SP1, SP4, SPX	LH-60	D2	
FLASHMASTER II	LH-22	D2	
ISOLERA SYSTEMS			
ISO-1SF, 1EF, 4SF, 4EF	L-735	HG	
ISO-1SV, 1SW, 1EV, 1EW	LH-60	D2	
ISO-4SV, 4SW, 4EV, 4EW	LH-60	D2	
BIOTEK/SEE KONTRON			
BISCHOFF			
LAMBDA 1000, 1010			INQUIRE
SP6, VISI-6			INQUIRE
BUCHI			
28062, 28063, 28067, 28068	LH-22	D2	
BUCK			
BLC-20	LH-94	D2	
CAMAG			
TLC II SCANNER	L-205	D2	
CARLO ERBA/THERMO SCIENTIFIC			
	L-280	D2	
CARY/VARIAN			
1, 3, 4, 5, 100, 300, 400, 500	L-230	D2	
1, 3, 100, 500	L-930	W	
300, 400	L-110	W	
50		P/XE	INQUIRE
219	L-205	D2	
219	L-925	W	

CECIL			
CE 1200, 1220	LH-20	D2	
CE 1020, 2020, 2040, 2041	L-210	D2	
CE 4000-9000 SERIES	L-210	D2	
COLE -PALMER			
01953-00	LH-40	D2	
DIONEX/LC PACKING/GYNKOTEK			
AD20, PDA20	LH-5	D2	
AD25, PDA100, PDA2996		D2	INQUIRE
PDA20		W	INQUIRE
PDA100		W	
CES I			INQUIRE
DSA-1	LH-40	D2	
FDM-2		P/XE	INQUIRE
RF1002/2000	L-800	XE	
UDM-170S, 340S			INQUIRE
UDM-37182			INQUIRE
UVD 160, 170S, 170U, 320, 340S, 340U	LH-91	D2	
VDM-2	L-235	D2	
UVD 3000		D2	INQUIRE
UVD 3100, 3400		D2	INQUIRE
UVD 3100, 3400		W	INQUIRE
VWD 3000	LH-25	D2	
D-STAR			
DDW-10, DFL-10, DLC-20, DVW-10	LH-94	D2	
DUPONT			
850	L-300	D2	
8800	L-280	D2	
DYAX/SEE BIOTAGE			
EM SCIENCE/SEE HITACHI			
ERMA/ERC			
7511, 7512, 7515, 7522, 7530, 7535	L-610	W	
ESA			
520, 522	LH-40	D2	
FISHER /SEE THERMO SCIENTIFIC			
GBC			
AA	L-200	D2	
CINTRA 906, 908, 911	L-200	D2	
CINTRA 916		W	
CINTRA 1155, 1255	LH-910	P/XE	
CINTRA 1200	L-280	D2	
CINTRA 1205, 1206, 1210	LH-40	D2	
CINTRA 5100	LH-82	D2	

GE HEALTHCARE/AMERSHAM/BIOSCIENCE/PHARMACIA/LKB		
2138, 2140, 2141		INQUIRE
2151	LH-20	D2
4050, 4051, 4053, 4054	L-210	D2
4050, 4060	L-835	W
ATKA SERIES		
BASIC, EXPLORER, PILOT, PURIFIER	LH-990 ♦	P/XE
FPLC, AKTA PURIFIER 10, 100	L-1010 ♦	HG
ETAN LC 18-5050-50	LH-990 ♦	P/XE
GENQUANT PRO		
RNA/DNA CALCULATOR		
NOVA SPEC II	L-835	W
ULTROSPEC SERIES		
ULTROSPEC II, III, PLUS	L-210	D2
ULTROSPEC II, III, PLUS	L-835	W
ULTROSPEC 500 PRO	LH-125	D2
ULTROSPEC 500 PRO	L-935	W
ULTROSPEC 1000 e	LH-125	D2/W
ULTROSPEC 1000 e	L-935	W
ULTROSPEC 1000 i	LH-125	D2/W
ULTROSPEC 1000 i	L-935	W
ULTROSPEC 2000, 3000, 4000	LH-125	D2/W
ULTROSPEC 2000, 3000, 4000	L-935	W
ULTROSPEC 3000 PRO	LH-125	D2/W
ULTROSPEC 3000 PRO	L-935	W
ULTROSPEC 1100 PRO	LH-975 ♦	
ULTROSPEC 1100 PRO	L-935	W
ULTROSPEC 2100 PRO, 3100 PRO	L-640	P/XE
ULTROSPEC 3300, 4300	LH-125	D2/W
ULTROSPEC 3300, 4300	L-935	W
ULTROSPEC 5300 PRO, 6300 PRO	LH-125	D2/W
UV-1		
UPC 900	L-1010 ♦	HG
UV 900	LH-990 ♦	P/XE
♦ MUST RETURN SPENT LAMP AND HOLDER		
GENTECH/SEE BEIJING RALEIGH		
GILFORD		
200, 220, 222, 230, 240, 250, 252, 260	L-205	D2
200, 220, 222, 230, 240, 250, 252, 260	L-875	W
2000, 2400, 2600	L-205	D2
2000, 2400, 2600	L-875	W
FLUORO IV	L-801	XE
RESPONSE I	L-210	D2
RESPONSE I	L-900	W
STASAR I, II, III	L-705	W
SYVA S-3	L-705	W

GILSON		
115, 116, 117	LH-150	D2
118, 119, 151, 152, 155, 156	LH-151	D2
122	L-800	XE
GRACE/ALLTECH		
200, 201, 205	LH-40	D2
200, 201, 205	LH-760	W
305	LH-910	P/XE
REVELERIS UV1, UV2	LH-40	D2
GROTON		
FD100	L-890	P/XE
GYNKOTEK/SEE DIONEX		
HACH		
DR/4000U	LH-110	D2
DR/4000U, 4000V	L-730	W
48000, 48100	L-730	W
HEWLETT-PACKARD/SEE AGILENT		
HITACHI		
100-10, 20, 30, 40, 60, 80	L-280	D2
100-10, 20, 30, 40, 60, 80	L-805	W
101, 102	L-430	D2
101, 102, 111, 124	L-805	W
124	L-210	D2
181, 191	L-805	W
150-20	LH-51	D2
150-20	L-805	W
200, 300, 330, 340	LH-51	D2
655A-22, 23	LH-51	D2
F-1000 THRU F-7000	L-800	XE
GENESPEC III	LH-58	D2
GENESPEC III		W INQUIRE
L-2400, 2420, 2450, 2455	LH-56	D2
L-2420, 2450, 2455	L-835	W
L-2480, 2485	L-800	XE
L-2500	LH-51	D2
L-3000, 3100, 3200, 4200, 4250	LH-51	D2
L-4000, 4500	LH-56	D2
L-4200, 4250	L-815	W
L-7000, 7300, 7400, 7420, 7450A, 7455	LH-56	D2
L-7420	L-815	W
L-7480, 7485, 7490	L-800	XE
SERIES 100	L-805	W
U-0080D	LH-56	D2
U-1100, 1500	LH-51	D2
U-1100	L-815	W
U-1500	LH-55	W

HITACHI (CONTINUED)		
U-1800, 2800, 2810	LH-57	D2
U-1800, 2800, 2810	L-935	W
U-1900, 2900, 2910	LH-56	D2
U-1900, 2900, 2910	L-815	W
U-2000, 2001, 2010	LH-51	D2
U-2000, 2001, 2010	L-815	W
U-3000, 3010, 3110, 3210, 3300	LH-51	D2
U-3000, 3010, 3110, 3300	L-815	W
U-3210	LH-55	W
U-3310, 3400, 3410, 3501	LH-51	D2
U-3310	L-815	W
U-3410, 3501	LH-55	W
U-3500	LH-56	D2
U-4001, 4100	LH-51	D2
U-4001	LH-55	W

HORIBA JOBIN YVON/SEE JY

IBM		
9420	L-200	D2
9523, 9563, 9565	L-205	D2

IONICS BUSINESS GROUP/SEE SIEVERS

ISCO/TELEDYNE		
205	LH-40	D2
205	LH-760	W
3850	L-205	D2
COMBIFLASH COMPANION, TS, 4X, XL	LH-61	D2
COMBIFLASH RF 75, RF 200	LH-62	D2
COMBIFLASH SYSTEM SQ16X	L-205	D2
V4/1840	L-205	D2

JASCO		
870, 875	L-295	D2
FP-750, 777, 820, 821, 920	L-800	XE
FP-1520, 1570, 1575, 2020, 3120	L-800	XE
FP-6200, 6300, 6500, 6600	L-800	XE
J-810 CD, J-815	INQUIRE	
UVIDEC 100 THRU UVIDEC 100-VI	L-200	D2
UVIDEC 320, 340, 420, 430, 505	L-200	D2
UVIDEC 510, 610, 650, 710	L-200	D2
V-530	L-265	D2
V-530	W	INQUIRE
V-530, V-550	L-835	W
UV-970A, UV975A	L-295	D2

JENWAY		
6105, 6405, 6505	LH-650	D2
6105, 6300, 6400	L-835	W
6405, 6500, 6505	L-835	W
AQUANOVA, GENOVA	INQUIRE	

JY(JOBIN YVON/SPEX/HORIBA)		
FLUOROLOG-2/F111XI, 112XI, F1T11I	L-855	XE
FLUOROLOG-2/F212I, F222I	L-855	XE
FLUOROLOG-3	L-855	XE
FLUOROMAX-2, 3, 4	L-955	XE
SYSTEM 5000	L-60	P/XE

KNAUER/SONNTEK		
8700, 9700, D871	LH-20	D2
SMARTLINE SERIES		
200	LH-24	HG
2500, 2600	LH-25	D2
2500, 2600	LHA-23	W
2550	INQUIRE	
2800	LH-26	D2
2800		

WELLCHROM SERIES		
200	LH-24	HG
2000, 2001, 2500, 2501, 2600, 2650	LH-25	D2
2001, 2500, 2501, 2600	LHA-23	W

KONTRON/BIOTEK/NORTH STAR SCIENTIFIC		
440	LHA-34	W
720, 810, 820, 860, 900, 930, 940	L-205	D2
820, 860, 900, 930, 940	L-110	W
UVIKON	L-205	D2
UVIKON XL, XS		
ALL SPECTROPHOTOMETERS	L-205	D2

KRATOS/SEE ABI/PERKIN-ELMER/SCHOEFFEL

LABALLIANCE/SCIENTIFIC SYSTEMS (SSI)		
200, 201, 500, 504, 506	LH-40	D2
V520, 525	LH-40	D2

1200 SERIES		
AGG1314B	LH-14	D2
AGG1315D	LH-13	D2
AGG1321A	L-870	P/XE

LC PACKINGS/DIONEX		
ULT-UVD, UVD-3000	LH-25	D2
ULT-UVD	LHA-23	W

LDC/SEE THERMO SCIENTIFIC

LKB/SEE GE HEALTHCARE

MCPHERSON		
FL-750/A & B	LH-101	XE
FL-750/A & B	LH-100	D2
FL-750/A & B	LH-102	XE-HG

MERCK/SEE HITACHI		
MICHROM BIORESOURCES		
UV-200	LH-40	D2
MD1-MD4	LH-25	D2
MICROTECH SCIENTIFIC, INC		
LINEAR MT200/200CE	LH-40	D2
LINEAR MT201, 205	LH-40	D2
MILTON ROY/SEE THERMO SCIENTIFIC/BAUSCH & LOMB		
MOLECULAR DEVICES		
SPECTRA MAX 340	L-65	P/XE
SPECTRA MAX 340 PC, 190, PLUS, 384	L-60	P/XE
SPECTRAMAX M2/M2E, M5/M5E	L-870	P/XE
SPECTRAMAX ANALYST GT	L-760	P/XE
SPECTRAMAX GEMINI, XPS, XS, EM	L-760	P/XE
SPECTRAMAX 250	L-760	P/XE
NICOLET/SEE THERMO SCIENTIFIC/ATI		
OLIS		
RSM-1000	L-1000	XE
PERKIN-ELMER/EG&G		
HPLC UV DETECTORS		
785A	LH-98	D2
INTEGRAL 4000	L-210	D2
LC-55, 55B, 65, 75, 85B, 90, 95, 135	L-210	D2
LC-200	LH-98	D2
LC-200		W INQUIRE
LC-235	L-210	D2
LC-480	LH-92	D2
SERIES 200/DAD, PHASE I & 2	LH-97	D2
SERIES 200/DAD	L-725	W
SERIES 200/FLUORO	L-800	XE
SERIES 200/UV-VIS/785A	LH-98	D2
FLUOROMETERS		
SERIES 200, 203, 204, 512, 650	L-800	XE
MPF-2A, 3, 4, 43, 43A, 44, 44A, 44B	L-800	XE
SPECTROPHOTOMETERS		
46, 55, 57	L-200	D2
220, 320, 330, 340	LH-51	D2
550, 551, 552, 555	L-240	D2
552A, 553, 559A	L-200	D2
570, 571, 572, 575, 576	L-200	D2
3840	L-200	D2
BIO	LH-92	D2
BIO	LH-845	W
EZ150, 201, 210	LH-51	D2
EZ150, 201, 210	L-840	W

PERKIN-ELMER (CONTINUED)		
LAMBDA 1, 3, 3B	L-300	D2
LAMBDA 1, 3B	LH-845	W
LAMBDA 2, 5, 7, 9, 10, 11, 12	LH-92	D2
LAMBDA 2, 5, 7, 9, 10, 11, 12	LH-845	W
LAMBDA 4, 6	LH-93	D2
LAMBDA 4, 6	LH-845	W
LAMBDA 14 THRU 19	LH-92	D2
LAMBDA 14 THRU 19	LH-845	W
LAMBDA 20, 25, 35, 40, 45	LH-92	D2
LAMBDA 20, 25, 35, 40, 45	LH-845	W
LAMBDA 650,750,800,850,900,950,1050	LH-92	D2
LAMBDA 650,750,800,850,900,950,1050	LH-845	W
ATOMIC ABSORPTION SPECTROMETERS		
100, 300 ANALYSIS	L-335	D2
200, 400 ANALYSIS	L-410	D2
272, 280, 360, 370, 372, 373, 380	L-310	D2
380, 460, 560	L-310	D2
410, 420, 430	L-410	D2
600, 700, 800 ANALYSIS	L-405	D2
1100, 1100B, 2100, 4100	L-405	D2
2280, 2380, 3030B	L-310	D2
3100, 3110, 3300 ANALYSIS	L-335	D2
4000 ANALYSIS	L-310	D2
5000, 5100	L-310	D2
POLARIMETERS		
240, 241, 241MC, 243,	L-600	NA
341, 341LC, 343, 343 PLUS	L-600	NA
PERSEPTIVE BIOSYSTEMS/SEE ABI		
PHARMACIA/SEE GE HEALTHCARE		
PHOTON TECHNOLOGY INT'L (PTI)		
QM-2/2005, QM-4/2005, QM-6/2005	L-970	XE
QM-7/2005, QM-8/2005, QM-14/2005	L-970	XE
POSTNOVA		
S3210, 3240	LH-13	D2
PYE UNICAM/SEE THERMO SCIENTIFIC		
RAININ/SEE VARIAN		
ROSEMONT ANALYTICAL		
890	L-330	D2
SCIENTIFIC SYSTEMS(SS)/SEE LABALLIANCE		
SEDEX		
55, 65, 75, 75C	L-935	W
SEQUOIA TURNER		
340, 360, 690		W

SHIMADZU		
HPLC UV DETECTORS		
LC2010AHT, LC2010CHT	LH-84	D2
SP-4	L-305	D2
SPD-2A, 2AV, 6A, 6AV, 7A	L-305	D2
SPD-6AV		W INQUIRE
SPD-10A, 10AV, 10AVP, 10AVVP	LH-82	D2
SPD-20A, 20AV	LH-82	D2
SPD-M6A, M10A, M10AV	LH-81	D2
SPD-M6A, M10A,	L-935	W
SPD-M10AV, M10AVP	L-245	W
SPD-M10AVP	LH-88	D2
SPD-M20A, M20AV	LH-87	D2
SPD-M20A	L-245	W
FLUOROMETERS		
RF-10A, 10AXL	L-800	XE
RF-535, 540, 551, 1501, 5000, 5301	L-800	XE
SPECTROPHOTOMETERS		
BIOSPEC 1601	L-265	D2
BIOSPEC 1601	L-110	W
CS-920, 930,,	L-265	D2
CS-930	L-100	W
MULTISPEC 1501	L-265	D2
MULTISPEC 1501	L-935	W
UV-120, 120-01, 120-02, 140-02	L-265	D2
UV-120	L-110	W
UV-120-01, 120-02,		W INQUIRE
UV-150, 150-02, 160A, 160U, 163	L-265	D2
UV-160A, 160U	L-110	W
UV-240, 250, 260, 265,	L-265	D2
UV-240, 260, 265	L-110	W
UV-1200, 1201, 1201PC, 1203	L-265	D2
UV-1200, 1201, 1203	L-245	W
UV-1240, 1501, 1600, 1601, 1601PC	L-265	D2
UV-1240, 1240V, 1700	L-245	W
UV-1501, 1600, 1601, 1601PC	L-110	W
UV-1603, 1650, 1700, 1800	L-265	D2
UV-1603, 1650, 1800	L-110	W
UV-2100, 2101, 2401PC, 2450,	L-265	D2
UV-2101PC, 2401, 2450	L-110	W
UV-2501PC, 2550, 3100, 3100PC	L-265	D2
UV-2501PC, 2550,	L-110	W
UV-3101PC, 3600, 3700	L-265	D2
UV-3101PC, 3600	L-110	W
ATOMIC ABSORPTION SPECTROMETERS		
AA-625, 630, 640, 660, 670, 680U	L-265	D2
AA-6200	L-265	D2

SHODEX		
RI 73, 74, 101		W
SIEVERS/IONICS INSTR. BUS.GROUP/GE ANALYT .INST.		
400, 800	L-700	HG
900, 5310C, PPT	L-605	HG
SPECTRA-PHYSICS/SEE THERMO SCIENTIFIC		
SPECTRONICS/SEE THERMO SCIENTIFIC		
SPEX/SEE JY (JOBIN YVON)		
TECAN		
SPECTRO FLUOR PLUS		P/XE
GENIOS		P/XE
INFINITE 200 NANOQUANT, M200, F200		P/XE
THERMO SCIENTIFIC		
AMINCO		
AB-2 (SERIES 2)		INQUIRE
SLM 2000	L-280	D2
SLM 3000	L-270	D2
SLM 4800, 8000, 8100	L-855	XE
ATI		
ATI/240, 250	LHA-34	Lamp Ass'y
	LH-34	Cartridge Only
BAUSCH & LOMB		
AQUAMATE, AQUAMATE UV	L-910	W
AQUAMATE UV	LH-54	D2
BIOMATE 5	L-910	W
DE 50	L-225	D2
EPSILON	L-915	W
GENESYS 2, 5		D2 INQUIRE
GENESYS 2, 5	L-915	W
GENESYS 8	LH-54	D2
GENESYS 8, 10, 20	L-915	W
SPECTRONIC 20		INQUIRE
SPECTRONIC 21	L-945	W
SPECTRONIC 21 DUV	L-225	D2
SPECTRONIC 200, 601, 700, 701, 710	L-225	D2
SPECTRONIC 70, 100, 700, 701, 710	L-920	W
SPECTRONIC 301, 401	L-915	W
SPECTRONIC 501, 601 ROUND TOP	L-615	W
SPECTRONIC 501, 601 POINTED TOP	L-915	W
SPECTRONIC 1001, 1201, 2000	L-225	D2
SPECTRONIC 1001, 1201	L-810	W
SPECTRONIC 2000	L-920	W
ENVIRONMENTAL INSTRUMENTS/SO2 ANALYZER		
43A, 43CT, 43CH	L-40	P/XE
FISHER		
20-0344	LH-40	D2

THERMO SCIENTIFIC (CONTINUED)		
<i>LDC</i>		
SC100-234	LH-40	D2
SC100-234	LH-760	W
SM I, II, III, D	L-205	D2
SM 3000, 3100, 4000	L-205	D2
SM 3100X, 4100	LH-42	D2
SM 5000	LH-47	D2
UV100-411, UV150-511	LH-40	D2
UV100-411, UV150-511	LH-760	W
<i>LINEAR</i>		
200, 203, 204, 205, 206PHD	LH-40	D2
200, 201, 203, 204, 205,	LH-760	W
304, 305	LH-910	P/XE
<i>NICOLET</i>		
EVOLUTION 100, 500, 600	LH-54	D2
EVOLUTION 100	L-910	W
EVOLUTION 500, 600	L-940	W
<i>SPECTRA-PHYSICS/FINNIGAN</i>		
CE500, 1000, 2000	LH-40	D2
CE500, 1000, 2000	LH-760	W
FL2000, 3000	LH-910	P/XE
SC100, 200, SF100, 200	LH-40	D2
SC100, 200, SF100, 200	LH-760	W
SF770, 970	LHA-1	D2 Lamp Ass'y
	LH-1	Cartridge Only
SP8400, 8440, 8440XR, SP8450, 8490	L-215	D2
SP8480XR	LHA-3	D2 Lamp D2
	LH-1	Cartridge Only
SP8773XR	LHA-2	D2 Lamp Ass'y
	LH-1	Cartridge Only
UV100, 150, 1000, 2000, 3000	LH-40	D2
UV100, 150, 1000, 2000, 3000	LH-760	W
UV3000HR	LH-40	D2
<i>SURVEYOR</i>		
UV6000LP, 6057-60030, 60040	LH-46	D2
UV6000LP, 6057-60030, 60040	L-765	W
PDA1P, 5P, UV1P, 5P	LH-46	D2
PDA1P, 5P, UV1P, 5P	L-765	W
FL PLUS DETECTOR	L-800	XE
<i>TURNER/BARNSTEAD</i>		
110, 111, 112	L-185	HG
SP-830 PLUS, 850, 870 PLUS	L-180	W
<i>UNICAM</i>		
UV 1-100	LH-54	D2
UV 1-100	L-910	W
UV 2-100, 200, 300, 400	LH-54	D2
UV 2-100, 200, 300, 400	L-940	W
UV 3-100, 200, UV 4-100, 200, 500	LH-54	D2
UV 3-100, 200, UV 4-100, 200, 500	L-940	W
UV 300, 550	LH-54	D2
UV 300, 500, 550	L-940	W
4225	LH-40	D2
HELIOS ALPHA, BETA, DELTA	LH-54	D2
HELIOS ALPHA BETA, DELTA		

THERMO SCIENTIFIC (CONTINUED)		
HELIOS EPSILON	L-915	W
HELIOS GAMMA	LH-54	D2
HELIOS GAMMA	L-910	W
<i>TRANSGENOMIC</i>		
FDX-99-2100	L-800	XE
WAVE 3500, 3500A, 3500HT	LH-56	D2
WAVE 4500, 4500 HT, HT-HS	LH-56	D2
WAVE HS, 4500, HT-HS	L-800	XE
WAVE OLIGO, DNS	LH-56	D2
TURNER/BARNSTEAD /SEE THERMO SCIENTIFIC		
UNICAM /SEE THERMO SCIENTIFIC		
VARIAN/CARY/RAININ		
1, 3, 5, 14, 15, 16, 17	L-230	D2
1, 3, 14, 15, 16, 17	L-930	W
87/8700, 8700	LH-20	D2
100, 210, 219, 220, 400, 500	L-230	D2
100, 210, 219, 220, 500	L-930	W
300, 400	L-110	W
2050	L-290	D2
2200, 2300, 2400,	L-205	D2
2550	L-295	D2
9070, 9075	LH-910	P/XE
AA200, 275, 300, 400, 600, 640	L-230	D2
AA775, 800, 875, 975, 1275	L-230	D2
AA1475, 3000	L-230	D2
FL-1, 2	LH-910	P/XE
LC-5000, 5500	L-305	D2
PDA-1	LH-81	D2
PDA-2	LH-82	D2
PRO-STAR, PRO-STAR 320	LH-950	P/XE
PRO STAR 310	L-305	D2
PRO STAR 325, 335	LH-325	D2
PRO STAR 330	LH-56	D2
PRO STAR 340, 345	LH-40	D2
PRO STAR 340, 345	LH-760	W
PRO STAR 360	LH-910	P/XE
PRO STAR 363	L800	XE
SPECTRA A10, A20, A30, A40	L-230	D2
SPECTRA A640, A880	L-230	D2
STAR 9050	L-305	D2
UV-1, UV-1A	LH-950	P/XE
UV 50, 100, 200	L-305	D2
UV- C, DII, M	LH-40	D2
VISTA 5000, 5500	L-305	D2
WATERS		
420	L-770	HG
440, 441	L-820	HG
450	LHA-1	D2 Lamp Ass'y
	LH-1	Cartridge Only
470, 474	L-800	XE

WATERS (CONTINUED)

480, 481	L-205	D2
486	LH-31	D2
490E	L-890	P/XE
990, 991, 994	LHA-34	D2 Lamp Ass'y
	LH-34	D2 Replacement
996, 2996	LH-33	D2
2475	LH-925	XE
2487, 2488	LH-36X2	D2
LC MODULE 1/34551 SYSTEM	LH-31	D2

LEGEND

CD	CADIUM
D2	DEUTERIUM
HG	MERCURY
L	LAMP ONLY
LH	LAMP & HOLDER
LHA	LAMP HOLDER ASSEMBLY
NA	SODIUM
P/XE	PULSED XENON
W	TUNGSTEN
XE	XENON
X2	SUFFIX DESIGNATES LONG LIFE
ZN	ZINC

Lamp types and prices subject to change without prior notice. Chromtech assumes no liability for representations made herein. All information is accurate to the best of our knowledge. Majority of light sources listed are genuine OEM parts made to meet or exceed original equipment manufacturer's specifications. Chromtech is not affiliated with companies mentioned; company or product names may be trademarks of their respective owners. 01/01/2011.

Restek Replacement Parts for Agilent HPLC Systems

Meet or exceed OEM performance.

Description	Model #	Similar to Agilent part #	qty.	cat.#	price
Preventive Maintenance Kit Includes: rotor seal, needle seat, needle assembly, seat cap	1050	01078-68721	kit	25259	
Autosampler Preventive Maintenance Kit Includes: rotor seal, needle assembly, needle seat	1100	G1313-68709	kit	25271	
Pump Maintenance Kit Includes: PTFE frit, outlet cap, active inlet cartridge, gold disk seal, 2 piston seals, glass solvent filter	1050, 1100	G1311-68710	kit	25270	
Active Inlet Cartridge	1050, 1100, 1200	5062-8562	ea.	26393	
Outlet Ball Valve, Binary Pump	1100, 1200	G1312-60012	ea.	25267	
Outlet Ball Valve	1050, 1100, 1200	G1311-60012	ea.	25276	
Sieves for Outlet Valve	1050, 1100, 1200	5063-6505	10-pk.	25266	
Check Valve Cartridge Assembly	1090	79835-67101	ea.	25344	
Piston Seals, Teflon w/Graphite, Black*	1050, 1100, 1200	5063-6589	2-pk.	22482	
Piston Seals, Teflon w/Graphite, Black*	1050, 1100, 1200	5063-6589	10-pk.	22483	
Piston Seals (Black)	1090	5062-2494	4-pk.	25347	
Seal Wash Kit, Binary Pump (4 seals, 4 gaskets)	1100		kit	25268	
Seal Wash Kit (2 seals, 2 gaskets)	1050, 1100		kit	25269	
Wash Seal	1050, 1100, 1200	0905-1175	ea.	25277	
Sapphire Piston	1050, 1100, 1200	5063-6586	ea.	25273	
Sapphire Piston	1090	6980-0672	ea.	25345	
Needle Seat	1050	79846-67101	ea.	25258	
Needle Seat	1090	79846-67101	ea.	25348	
Needle Seat Assembly	1100	G1313-87101	ea.	25265	
Needle Assembly	1100	G1313-87201	ea.	25278	
Rotor Seal (not for use with 7125 injection valve)	1050	0101-0626	ea.	25272	
Rotor Seal	1100	0100-1853	ea.	25275	
Rotor Seal (Rheodyne-style)	1090	1535-4048	ea.	25349	
Frits, PTFE	1050, 1100, 1200	01018-22707	5-pk.	25466	
Seal, Gold Disk (outlet)	1050, 1100, 1200	5001-3707	ea.	25467	
Outlet Cap	1050, 1100	5062-2485	4-pk.	25139	
Outlet Cap & Gold Seal Assembly	1050, 1100		2-pk.	25140	
Connecting Tube	1050, 1100	G1311-67304	ea.	25058	
Bottle Head Assembly		G1311-60003	ea.	25059	
Detector Lamp, 1090 DA, 1050 VW/DA/MWD	1090, 1050	79883-60002	ea.	25260	
Lamp, DAD G1315A, G1365A	1100, 1200	2140-0590	ea.	25261	
Lamp, VWD G1314A	1100, 1200	G1314-60100	ea.	25262	
8453 Deuterium Lamp		2140-0605	ea.	25263	
G1321 Fluorescence Detector Flash Lamp		2140-0600	ea.	25264	
Lamp, DAD Long Life Deuterium (2000 hours)	1100	2140-0813	ea.	25399	
Helium Tubing, PTFE, 5m x 0.057" ID	1050, 1100	5062-2461	ea.	24990	
Injector Lubricant, PTFE, 10g	1050, 1100	79841-65501	ea.	26520	
	1040, 1050, 1090,				
Solvent Inlet Filter, SS	1100, 1200	01018-60025	ea.	26423	
Stator Face Assembly	1100, 1200	0100-1851	ea.	26424	

*Graphite-filled Teflon; best for organic solvents.

Capillary Stainless Steel Tubing Assemblies for Agilent HPLC Systems

- Precut, micropolished tubing and preassembled fittings for quick, easy maintenance of your Agilent HPLC systems.
- Meet or exceed manufacturer's performance.

Description	Model #	Similar to Agilent part #	qty.	cat.#	price
Capillary SS Tubing with fittings, 130mm x 0.17mm ID	1090	01090-87305	ea.	26525	
Capillary SS Tubing with fittings, 800mm x 0.17mm ID	1050	01078-87305	ea.	26526	
Capillary SS Tubing with fittings, 180mm x 0.17mm ID	1100	G1313-87305	ea.	26527	
Capillary SS Tubing with fittings, 700mm x 0.25mm ID	1050	01018-67305	ea.	26528	
Capillary SS Tubing with fittings, 700mm x 0.25mm ID	1050	01078-87306	ea.	26529	
Seat Capillary, SS Tubing, 0.17mm ID	1050	01078-87303	ea.	26530	
Capillary SS Tubing, 105mm x 0.17mm ID	—	5021-1816	ea.	26531	
Mixing Capillary Assembly	1100	G1312-67302	ea.	26532	
Capillary SS Tubing, Valve to Metering Head	1100	G1313-87301	ea.	26533	
Capillary SS Tubing, 150mm x 0.17mm ID	—	5021-1817	ea.	26534	
Capillary SS Tubing, 280mm x 0.17mm ID	—	5021-1818	ea.	26535	
Capillary SS Tubing, 400mm x 0.17mm ID	—	5021-1819	ea.	26536	
1/8" Fitting, Front and Back Ferrules, Stainless Steel	—	5062-2418	10-pk.	26537	



Kits are convenient and economical, compared to ordering individual items!

NEW!

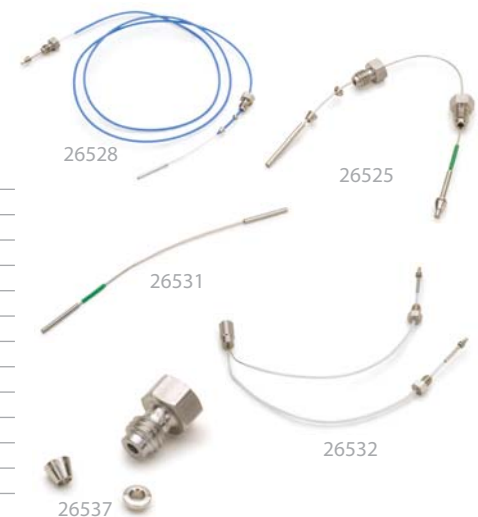


also available

Outlet Cap & Gold Seal Assembly Tool
See page 337.



NEW!



Restek Replacement Parts for Beckman HPLC Systems

Description	Model #	Similar to Beckman part #	qty.	cat.#	price
Inlet Check Valve Assembly	110A&B, 112, 114M, 116, 118, 125, 126, 127, 128 Pumps	240720	ea.	25439	
Outlet Check Valve Assembly	110A&B, 112, 114M, 116, 118, 125, 126, 127, 128 Pumps	240721	ea.	25440	
Inlet Check Valve Cartridge for Check Valve Assembly	110A&B, 112, 114M, 116, 118, 125, 126, 127, 128 Pumps	240620	ea.	25441	
Outlet Check Valve Cartridge for Check Valve Assembly	110A&B, 112, 114M, 116, 118, 125, 126, 127, 128 Pumps	240621	ea.	25442	
Guide Sleeve for Graphite Plunger Guide	110 Series Pumps	243713	ea.	25444	
Outlet Check Filter Frit Assembly	110 Series Pumps	240619	ea.	25445	
Piston Guide Assembly	110 Series and 112 Pumps	243045	ea.	25446	
Plunger	110 Series and 112 Pumps	243053	ea.	25447	
Plunger Seal	110 Series Pumps	887138	ea.	25448	
Sapphire Plunger	114M, 116, 118, 125, 126, 127, 128 Pumps	240714	ea.	25450	
Plunger Seal	114M, 116, 118, 126, 127, 128 Pumps	241037, 237162	ea.	25451	
Pump Seal, Gold**	114, 116, 125, 126, 127, 128 Pumps	241037	ea.	25452	
Plunger Wash Seal	125, 126, 127, 128 Pumps	728772, 728772	ea.	25453	
Deuterium Lamp	DU60, 62, 64, 65	596791	ea.	25454	

**Ultra-high molecular weight polyethylene (UHMWPE); increased resistance to abrasion, best for buffers.



25440



25450

Restek Replacement Parts for Hitachi HPLC Systems

Description	Model #	Similar to Hitachi part #	qty.	cat.#	price
SS Check Valve Cartridges (1/16" Ruby Ball)	655/6000/6200	ANO-085	2-pk.	25455	
Inlet Check Valve Assembly	655/6000/6200	ANO-0833, 885-1330	ea.	25456	
Outlet Check Valve Assembly	655/6000/6200	ANO-0834, 885-1331	ea.	25457	
Plunger Assembly	655, 6000, 6200, 7100	810-1033	ea.	25458	
Plunger Seal, Black*	L655A, 6000, 6200, 7100	655-1080	ea.	25459	
Plunger Seal, Gold**	655, 6000, 6200, 7100	655-1080	ea.	25460	
Inlet Check Valve Assembly	L-7100	ANO-0836	ea.	25461	
Outlet Check Valve Assembly	L-7100	ANO-0837	ea.	25462	
Rotor Assembly for Dilutor Valve	AS-7200 Autosampler AS-7200,	810-3095	ea.	25463	
Rotor Seal Kit	AS-7250 Injection Valve	ANO-0818	ea.	25464	
Deuterium Lamp, Prealigned	L4000, L4200, L4250, L7400	ANO-0424	ea.	25465	

*Graphite-filled Teflon; best for organic solvents.

**Ultra-high molecular weight polyethylene (UHMWPE); increased resistance to abrasion, best for buffers.



25459

25460

25465

25458

Restek Replacement Parts for PerkinElmer HPLC Systems

Description	Model #	Similar to PE part #	qty.	cat.#	price
Inlet Check Valve	PE 200, 4, 250, 400, 410, 620	2540177	ea.	25438	
Outlet Check Valve	PE 200, 4, 250, 400, 410, 620	2540197	ea.	25437	
Standard Pump Seal Kit	PE 200	N2910383	kit	26425	
High Pressure Seal Kit	PE Series 200 Pumps-1, 2, 3, 3B, 4, 10, 250, 400, 410, 620, Int. 4000 Pump	2540275	ea.	25433	
Standard High Pressure Seal, Gold**	PE Series 200 Pumps-1, 2, 3, 3B, 4, 10, 250, 400, 410, 620, Int. 4000 Pump	9907324	ea.	25434	
Low Pressure Seal, Gold**	PE Series 200 Pumps	9907339	ea.	25435	
Needle	PE Series 200 Pumps	N2930023	ea.	25432	
Deuterium Lamp	PE Lambda-2, 5, 7, 8, 10, 11, 12, 14, 15, 16, 17, 18, 19, 20, 40, 800, 900	B0160917	ea.	25436	
Deuterium Lamp	PE 200/785A	N2920149	ea.	25431	

**Ultra-high molecular weight polyethylene (UHMWPE); increased resistance to abrasion, best for buffers.



25437

25432

NEW!

25435

25433

Restek Replacement Parts for Shimadzu HPLC Systems

Description	Model #	Similar to Shimadzu part #	qty.	cat.#	price
Inlet Check Valve	LC-6A, LC-10AS	228-12353-91	ea.	25287	
Inlet Check Valve	LC-600, LC-9A, LC-10AD	228-18522-91	ea.	25295	
Inlet Check Valve	LC-10ADvp	228-39093-92	ea.	24984	
Inlet Check Valve	LC-10AT, LC-10ATvp	228-32166-91	ea.	26521	
Inlet Check Valve	LC-20AD/B	228-48249-91	ea.	26426	
Outlet Check Valve	LC-6A, LC-10AS	228-09054-93	ea.	25288	
Outlet Check Valve Rebuild Kit	LC-6A, LC-10AS	228-11200-91	2-pk.	25289	
Outlet Check Valve	LC-600, LC-9A, LC-10AD, LC-10AT	228-18522-92	ea.	25282	
Outlet Check Valve	LC-10ADvp, LC-10ATvp	228-34976-91	ea.	24983	
Outlet Check Valve	LC-20AD/B	228-45705-91	ea.	26427	
Plunger Seal, Gold**	LC-6A	228-11999-00	ea.	25285	
Plunger Seal, Polyethylene, Gold**	LC-10AS, LC-10AT, LC-10ATvp	228-21975-00	ea.	25290	
Plunger Seal	LC-600, LC-9A, LC-10AD	228-18745-00	ea.	25293	
Plunger Seal, Black*	LC-10ADvp, LC 20AD	228-35146-00	ea.	24980	
Plunger Seal, Gold**	LC-10ADvp	228-32628-00	ea.	24981	
Plunger Seal, Black*	SIL-10ADvp, LC-10ATvp	228-35145-00	ea.	24985	
Plunger Rinse Seal	LC-10AS	228-28499-00	ea.	25292	
Sapphire Plunger	LC-10AS	228-17019-93	ea.	25291	
Sapphire Plunger	LC-600, LC-9A, LC-10AD	228-18523-91	ea.	25294	
Needle Seal	SIL-10A, 10XL, 10ADvp	228-33355-04	ea.	25468	
Rotor Seal	SIL-10ADvp	228-21217-97	ea.	24986	
Rotor Seal Assembly	SIL-10A, 10AXL	228-21217-91	ea.	25469	
Stator Assembly	SIL-10A, 10AXL	228-21220-91	ea.	25470	
Syringe, 500µL	SIL-10A, 10AXL	228-25237-04	ea.	25471	
Plunger Assembly, Ceramic	LC-10ADvp	228-35601-91	ea.	25472	
Plunger Assembly, Ceramic	LC-10ATvp	228-35009-92	ea.	25473	
Plunger Assembly, Sapphire	LC-10ADvp	228-35601-92	ea.	24982	
Deuterium Lamp	SPD-10A, 10AV, SPD-20A	228-34016-02	ea.	25284	

NEW!



26521

NEW!



*Graphite-filled Teflon; best for organic solvents.

**Ultra-high molecular weight polyethylene (UHMWPE); increased resistance to abrasion, best for buffers.



Catch the Buzz

Sign up for Restek's e-newsletter, *The Buzz*
www.restek.com/buzz



25474



25482



25484



25476



25280
(both sides shown)



25408

25404

Restek Replacement Parts for Thermo Scientific HPLC Systems

Description	Model #	Similar to SP/TSP			
		part #	qty.	cat.#	price
Inlet Check Valve Assembly	SP8800 & P-Series Pumps	A3495-010	ea.	25474	
Outlet Check Valve Assembly	SP8800 Series Pumps	A3490-010	ea.	25475	
Piston	SP8800 & P-Series Pumps	A3102-010	ea.	25476	
Back-up Seal	SP8800 & P-Series Pumps	A2963-010	ea.	25477	
Plunger Seal, Gold**					
Superseal	SP8800 & P-Series Pumps	A2962-010	ea.	25478	
Check Valve and Transducer Assembly	P-Series Pumps	A3990-010	ea.	25479	
Kel-F Washer	P-Series Pumps	A2973-010	ea.	25480	
Rotor Seal Assembly, Rheodyne 7010	TSP AS100, 300, 1000, 3000, 3500, 8875, and 8880 Autosamplers	7010-039	ea.	25481	
Syringe Assembly, 250µL	TSP AS100, 300, 1000, 3000, 3500, 8875, and 8880 Autosamplers	A3588-020	ea.	25482	
Syringe, 500µL	8800 Series	3301-0100	ea.	25483	
Lamp, UV	Linear UV-200, 203, 204, 205, 206, and UV 100, 150, 1000, and 2000 Detectors	9551-0023	ea.	25484	

Description	Model #	Similar to TSP			
		part #	qty.	cat.#	price
Check Valve Cartridge	LDC Constametric Pumps	900946	ea.	25485	
Sapphire Plunger	LDC Constametric Pumps	801306	ea.	25486	
Plunger Seal Kit, Gold**	LDC Constametric Pumps	31-36-00754	kit	25487	
Plunger Seal, Black*	LDC Constametric Pumps	206129001	ea.	25488	
Plunger Seal, Gold**	LDC Constametric Pumps	206156001	ea.	25489	
Lamp, Deuterium	LDC SM-I, II, III, 3000, 3100, 3100X, and 4000 Detectors	108035	ea.	25490	

*Graphite-filled Teflon; best for organic solvents.

**Ultra-high molecular weight polyethylene (UHMWPE); increased resistance to abrasion, best for buffers.

Restek Rheodyne® Style Replacement Parts for Waters HPLC Systems

Description	Model #	Similar to Rheodyne			
		part #	qty.	cat.#	price
Vespel Rotor Seal	1090, 7000, 7010, 7040, 7067	7010-039	ea.	25279	
Vespel Rotor Seal	7125, 7126, 7725, 7725i, 9725	7125-047	ea.	25280	
Isolation Seal	7010	7010-015	ea.	25281	

For easy access to Rheodyne fittings, use a ValvTool Wrench. See page 337.

Restek Replacement Parts for Waters Detectors

Description	Model #	Similar to Waters			
		part #	qty.	cat.#	price
Window Gasket	484, 486, 490	80335	ea.	25423	
Lamp Side Gasket	484, 486, 490	80336	ea.	25424	
Quartz Lens	486	80687	ea.	25427	
Xenon Lamp (without holder or mirror)	470	—	ea.	25404	
Xenon Lamp	474	—	ea.	25405	
Deuterium Lamp (UV/Vis)	480, 481	99499	ea.	25403	
Deuterium Lamp (UV/Vis)	484	80357	ea.	25406	
Deuterium Lamp (UV/Vis)	486	80678	ea.	25407	
Deuterium Lamp	996, 2996	WAT052586	ea.	25408	
Deuterium Lamp	2487	WAS081142	ea.	25409	
Deuterium Lamp, long life (2,000 hours)*	486	80678	ea.	25410	

*Standard lamps have nominal 1,000-hour life.

also available

LC autosampler syringes

See page 349.



Restek Replacement Parts for Waters HPLC Systems

Description	Model #	Similar to Waters part #	qty.	cat.#	price
Preventive Maintenance Kit					
Includes: sparge diffuser, filter insert, compression screws, SS ferrule, battery for 2690/717, 250µL WISP syringe, seal wash plunger seal kits (2), wash tube seal kits (4), 2690 seal pack rebuild kit (steel bodies not included), 2690 head plunger seal kits (2), solvent reservoir 20µm filters (4), Alliance check valve cartridges (2), Alliance plunger assemblies (2), 2690 face seals (4)					
	Alliance 2690, 2695	WAT270944	kit	25143	
Preventive Maintenance Kit					
Includes: PerformancePLUS cartridges (2), sparge diffusers (4), Super Seals (2), solvent reservoir 20µm filters (2), sapphire plungers (2), reference valve rebuild kit, inlet manifold kit					
	600 Pump	WAT052675	kit	25144	
Preventive Maintenance Kit					
Includes: 717 seal pack with needle, filter insert, 250µL WISP syringe					
	717 Autosampler	WAT052669	kit	25145	
Preventive Maintenance Kit					
Includes: 616/326/625 plunger assemblies (2), pump seal kit, sparge diffusers (4), solvent reservoir 20µm filters (4), 616 cartridge assemblies (4)					
	616 Pump	WAT052672	kit	25146	
Preventive Maintenance Kit					
Includes: PerformancePLUS check valves (2), sparge diffuser, solvent 10µm filter, sapphire plungers (2), plunger seals (2)					
	515 Pump	WAT052587	kit	26519	
Preventive Maintenance Kit					
Includes: plungers, check valves, seals, filters					
	1525 Pump	201000114	kit	26430	
Inlet Check Valve Assembly	M6KA, 501, 510, 515, 590, 600E	33679, 25214	ea.	25360	
Inlet Check Valve Housing	M6KA, 501, 510, 515, 590, 600E	25203	ea.	25361	
Inlet Check Valve Rebuild Kit	M6KA, 501, 510, 515, 590, 600E	60495	2-pk.	25362	
Outlet Check Valve Assembly (Actuator Style)	M6KA, 501, 510, 515, 590, 600E	WAT025028	ea.	25363	
Outlet Check Valve Housing (Actuator Style)	M6KA, 501, 510, 515, 590, 600E	25212	ea.	25364	
Outlet Check Valve Rebuild Kit (Actuator Style)	M6KA, 501, 510, 515, 590, 600E	26016	2-pk.	25365	
Outlet Check Valve Assembly (Ball & Seat Style)	M6KA, 501, 510, 515, 590, 600E	25216	ea.	25366	
Outlet Check Valve Housing (Ball & Seat Style)	M6KA, 501, 510, 515, 590, 600E	25207	ea.	25367	
Outlet Check Valve Rebuild Kit (Ball & Seat Style)	M6KA, 501, 510, 515, 590, 600E	26014	2-pk.	25368	
Inlet Check Valve Assembly, 225µL (Extended Flow)	M6KA, 501, 510, 515, 590, 600E	60307	ea.	25369	
PerformancePLUS Check Valve Cartridge	M6KA, 501, 510, 515, 590, 600E	700000254	2-pk.	25370	
Check Valve Rebuild Kit (Extended Flow)	M6KA, 501, 510, 515, 590, 600E	88223	2-pk.	25371	
PerformancePLUS Check Valve Housing	M6KA, 501, 510, 515, 590, 600E		ea.	25372	
Check Valve Cartridges	Alliance	WAT270941	2-pk.	25373	
Super Seal for Analytical Heads	M6KA, 501, 510, 515, 590, 600E	22946, 22934	ea.	25374	
Plunger Seal, Gold for Analytical Heads**	M6KA, 501, 510, 515, 590, 600E	22934	ea.	25375	
Plunger Seal, Black for graphite-filled Teflon*	M6KA, 501, 510, 515, 590, 600E	26613	ea.	25378	
Plunger Seal, Black for EF Heads*	510, 590, 600E	26644	ea.	25379	
Plunger Seal, Gold for EF Heads**	510, 590, 600E	26644	ea.	25380	
Seal Wash Plunger Seal	Alliance	WAT271018	2-pk.	25386	
Head Plunger Seal Kit	Alliance	WAT270938	2-pk.	25387	
Head Plunger Seal Kit (Black)	Alliance	WAT271066	2-pk.	25388	
Head Plunger Seal	Acquity, nanoAcquity	700002599	2-pk.	26428	
Insert Seal Parts Kit	M6KA, 501, 510, 515, 590, 600E	60012	kit	25389	
Sapphire Plunger	M6KA, 510, 590, 600	25656	ea.	25381	
Sapphire Plunger (Extended Flow)	510, 590, 600E	60304	ea.	25382	
Sapphire Plunger Assembly Kit	M515	WAS207069	ea.	25384	
Sapphire Plunger	616, 625, 626	31788	ea.	25420	
Sapphire Plunger	Alliance	WAT270959	ea.	25385	
Draw-Off Tube Assembly	510, 515, 600, 610	WAT060476	ea.	25392	
Inlet Manifold Kit	M45, 501, 510, 590, 600E	60448	kit	25412	
Ferrule, Stainless Steel	515	22330	ea.	25417	
Face Seals Replacement Kit	Alliance 2690	WAT270939	4-pk.	26547	
Wash Face Seal	Alliance 2690	WAT271017	ea.	25428	
Wash Tube Seal Kit	Alliance 2690	WAT270940	4-pk.	25429	
Wash Seal	Acquity, nanoAcquity	700002598	2-pk.	26429	
Rebuild Kit, Reference Valve	600 Pump	25746	ea.	25492	
Compression Screws, Stainless Steel	Alliance 2690		2-pk.	25493	
Battery	Alliance 2690, 717, 486, 484		ea.	25494	
Seal Pack Rebuild Kit, without Seal Wash Tube Assembly	Alliance 2690	WAT271019	ea.	25495	
717 Seal Pack (Rebuilt) with Needle	717 Autosampler	4559	ea.	25496	
Seal Kit, Pump	616 Pump, 626, 625	31790	ea.	25497	
Cartridge Assembly, Stainless Steel	616 Pump	24960	ea.	25498	

*Graphite-filled Teflon; best for organic solvents.;

**Ultra-high molecular weight polyethylene (UHMWPE): increased resistance to abrasion, best for buffers.



Kits are convenient and economical, compared to ordering individual items!



25145



25496



25360

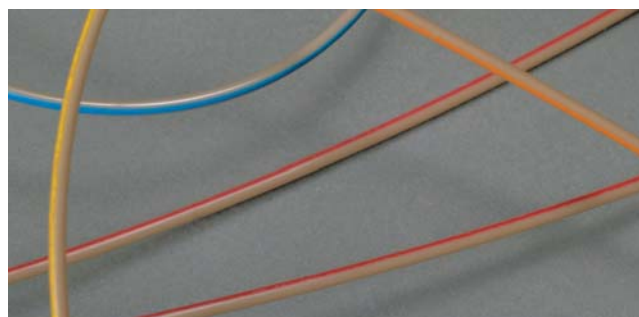




ASI Piston Seals for Agilent HPLC Systems

Over time the piston seal in every HPLC system becomes worn and must be replaced. Our piston seals are constructed of Teflon® material with an additive that reduces their tendency to “cold flow” and improves their wear characteristics. Teflon® seals are more resistant to any HPLC solvent than UHMWPE seals, but they are less wear-resistant and rugged. For Agilent 1050 and 1100 HPLC systems.

Description	Similar to Agilent part #	qty.	cat.#	price
ASI Piston Seal	5062-8516	ea.	25175	
ASI Piston Seal		10-pk.	25176	



Inert PEEK™ Tubing

- Replaces stainless steel, titanium, Teflon® or Tefzel® tubing.
- Less oxygen permeable and more temperature resistant (to 250 °C) than Teflon® or Tefzel® tubing.
- Use with PEEK™ fingertight or flangeless fittings.
- Use to 7,000 psi (48,263 kPa).

Description	OD	ID	Length	Color Code	qty.	cat.#	price
PEEK Tubing	1/16"	0.0025"	1m	pink dash stripe	3-pk.	25320	
PEEK Tubing	1/16"	0.005"	3m	red stripe	ea.	25065	
PEEK Tubing	1/16"	0.007"	3m	yellow stripe	ea.	25066	
PEEK Tubing	1/16"	0.010"	3m	blue stripe	ea.	25067	
PEEK Tubing	1/16"	0.020"	3m	orange stripe	ea.	25068	



ASI Check Valves

ASI subjects each valve to a rigorous series of tests, including self-priming capability, which means you typically won't need a syringe or draw-off valves to prime your pump. A high-pressure test ensures that the valve will not leak, even at pressures up to 12,000 psi (82,737 kPa). A low-pressure test verifies that the valve closes properly, even without a high backpressure force. The cartridge design allows easy, convenient replacement of worn or damaged valves.

for Agilent 1050 & 1100

Description	Material	qty.	cat.#	price
Outlet Check Valve (cartridge and housing)	Sapphire & Ruby Ball & Seat	ea.	25170	
Outlet Check Valve (cartridge and housing)	Ceramic Ball & Seat	ea.	25173	
Outlet Cartridge	Sapphire & Ruby Ball & Seat	ea.	25171	
Outlet Cartridge	Ceramic Ball & Seat	ea.	25174	
Outlet Housing	—	ea.	25172	

for Waters Alliance® Model 2690 & 2695

Description	Material	qty.	cat.#	price
Inlet and Outlet Cartridges	Sapphire & Ruby Ball & Seat	ea.	25160	
Inlet and Outlet Cartridges	Ceramic Ball & Seat	ea.	25162	



HPLC Stainless Steel Capillary Tubing

- 316 grade stainless steel.
- Precise pre-cut lengths.
- Smooth surface finish.
- Ultra clean.

Whether you need to replace system tubing as part of your troubleshooting or want to reduce the dwell volume of your system as you move to narrower columns, Restek has the quality tubing in the lengths and IDs you need. Each ID is color-coded so it is easy to identify and replace correctly.

Length	qty.	0.005" ID (red)		0.007" ID (gray)		0.010" ID (blue)		0.020" ID (yellow)		
		cat.#	price	cat.#	price	cat.#	price	cat.#	price	
1/16" OD Tubing										
5cm	3-pk.	25240		25244		25248	\$17	25252		
10cm	3-pk.	25241		25245		25249	\$20	25253		
20cm	3-pk.	25242		25246		25250	\$23	25254		
30cm	3-pk.	25243		25247		25251	\$26	25255		